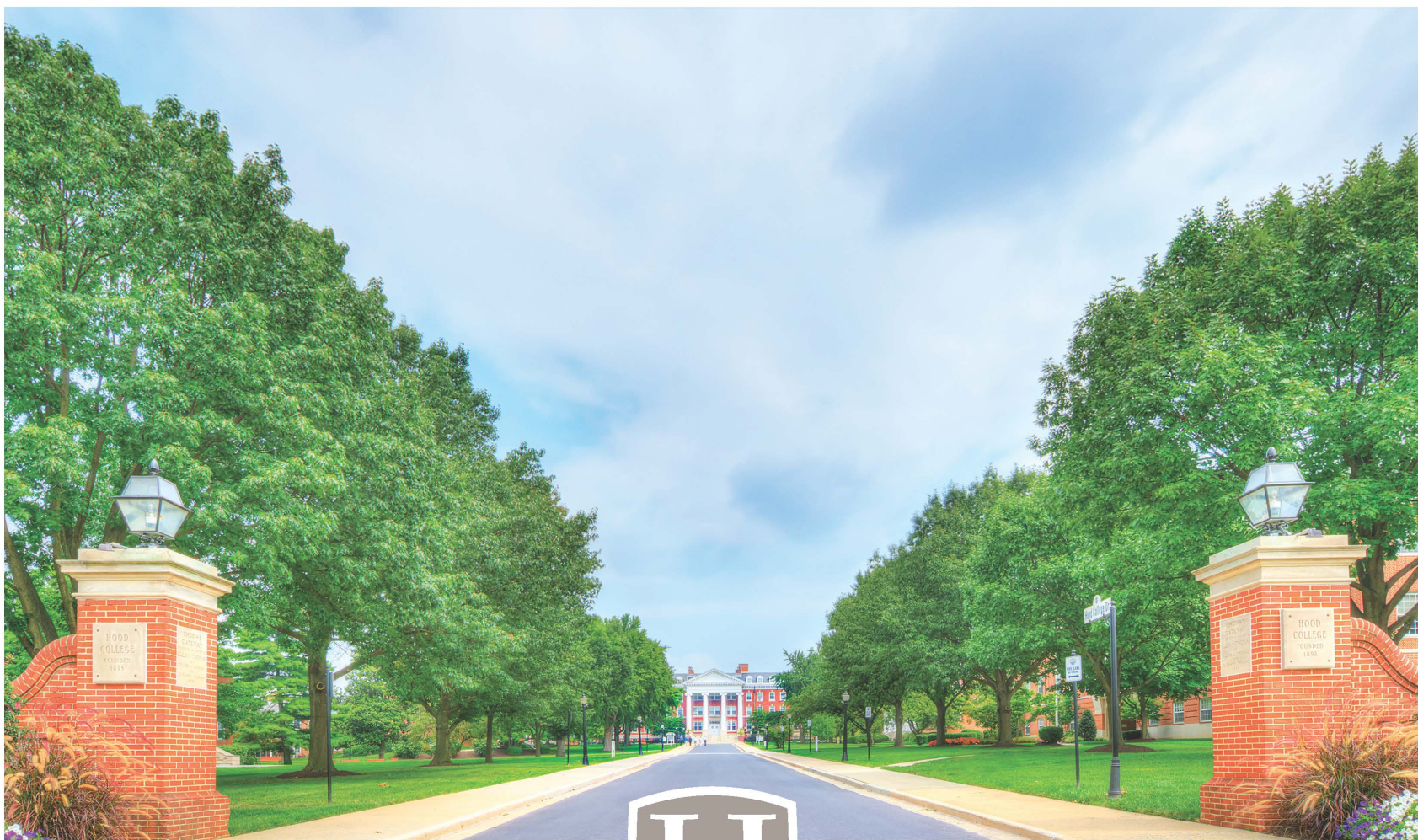


# HOOD COLLEGE

2020-2021

# CATALOG



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# ACADEMIC CALENDAR 2020-2021

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## Undergraduate and Graduate

The College follows the semester system in which the academic year is divided into two instructional semesters with each having 15 weeks of instruction plus a final examination period, and two six-week summer sessions.

*Dates may be subject to change due to COVID-19. The most up-to-date calendar can be found here: <https://www.hood.edu/offices-services/registrar-office/academic-calendar>*

## FALL 2020

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August	Friday 7	Deadline for graduate students to upload thesis and final research projects for September graduation
August	Wednesday 12	New International Graduate Student Orientation, 1:30 p.m. – 8 p.m.
August	Thurs 13 - Fri 14	Residence halls open for new undergraduate students by appointment
August	Sat 15 - Sun 16	New Student Orientation; Residence halls open for returning students by appointment
August	Sunday 16	Opening Convocation, 7 p.m.
August	Sunday 16	Last day for 100% tuition refund for undergraduate students; 100% refund for graduate students continues until the first-class meeting
August	Monday 17	Deadline for students to apply/petition for January graduation to the registrar's office
August	Monday 17	First day of classes for undergraduate and graduate students, 8:30 a.m. 80% tuition refund period begins and continues through August 27; 0% tuition refund thereafter
August	Thursday 27	Drop/add ends at 5 p.m.; end 80% course refund for graduate and part-time undergraduate students; last day to declare/change SU or audit option
September	Monday 7	Labor Day; classes held; offices open
September	Friday 11	Deadline for graduate students to submit notification for comprehensive exams to the registrar's office
September	Friday 25	Last day for undergraduates to file for extra credit (X) study
October	Tuesday 6	Term II PE begins
October	Friday 9	Midterm grades due in registrar's office by 9 a.m.
October	Saturday 17	Masters' comprehensive examinations
October	Tuesday 20	Masters' comprehensive examinations
October	Friday 23	Last day to withdraw from any undergraduate class
October	Monday 26	Advising period begins and continues through Friday, November 6
October	Wednesday 28	Last day to withdraw from graduate classes
November	Monday 9	Begin spring registration for seniors and current graduate students
November	Monday 9	Last day for undergraduates to submit petition for spring semester study abroad or study at another institution
November	Tuesday 10	Begin spring registration for juniors
November	Wednesday 11	Begin spring registration for sophomores
November	Wednesday 11	Deadline for graduate students to upload thesis and final research projects for January graduation
November	Thursday 12	Begin spring registration for first-year students

November	Monday 16	Begin spring registration for new undergraduate, new graduate and non-degree students
November	Friday 20	Undergraduate classes end at 4 p.m.; Undergraduate exams begin at 5 p.m.
November	Wednesday 25	Graduate classes end
November	Wednesday 25	Undergraduate make-up exams end by 12 p.m.
November	Wednesday 25	Residence halls close for winter break, 12 p.m.
November	Sunday 29	Final grades due in registrar's office by 9 a.m.

## SPRING 2021

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January	Monday 11	Deadline for students to apply/petition for May graduation to the registrar's office
January	Wednesday 13	New Graduate and New International Student Orientation, 1 p.m. to 7 p.m.
January	Thursday 14	New undergraduate students arrive; orientation begins
January	Saturday 16	Residence halls open for new and returning students, 9 a.m.
January	Monday 18	Last day for 100% tuition refund for undergraduate students; 100% refund for graduate students continues until the first class meeting
January	Monday 18	Martin Luther King Day - No Classes
January	Tuesday 19	Classes begin 8:30 a.m.
January	Tuesday 19	80% tuition refund period begins and continues through January 28; 0% tuition refund thereafter
January	Thursday 28	Drop/Add period ends at 5 p.m.; end 80% course refund for graduate and part-time undergraduate students; last day to declare/change SU or audit option
February	Tuesday 2	Deadline for graduate students to submit notification for spring comprehensive exams to the registrar's office
February	Friday 26	Last day for undergraduates to file for extra credit (X) study
March	Wednesday 10	Term IV PE begins
March	Sat 13-Sun 21	Midterm recess - No classes
March	Saturday 13	Residence halls close for spring break, noon
March	Sunday 21	Residence halls re-open, 9 a.m.
March	Monday 22	Classes resume, 8:30 a.m.
March	Monday 22	Deadline for students to apply/petition for September graduation to the registrar's office
March	Friday 26	Midterm grades due in registrar's office
March	Saturday 27	Masters' comprehensive examinations
March	Monday 29	Advising period begins and continues through Friday, April 9
March	Tuesday 30	Masters' comprehensive examinations
April	Thursday 8	Last day to withdraw from undergraduate classes
April	Monday 12	Begin fall and summer registration for juniors, non-graduating seniors and current graduate students
April	Monday 12	Last day for undergraduates to submit petition for fall semester study abroad or study at another institution
April	Tuesday 13	Begin fall and summer registration for sophomores
April	Wednesday 14	Begin fall and summer registration for first-year students

April	Friday 16	Deadline for graduate students to upload thesis and final research projects for May graduation
April	Friday 16	Last day to withdraw from graduate classes
April	Monday 19	Begin fall and summer registration for new undergraduate, new graduate and non-degree students
May	Friday 7	Undergraduate classes end
May	Sat 8 - Sun 9	Undergraduate Reading Days
May	Monday 10	Undergraduate examination period begins
May	Friday 14	Undergraduate examination period ends
May	Friday 14	Graduate classes end
May	Saturday 15	Residence halls close for summer (non-graduating students), noon
May	Monday 17	Final grades for graduating seniors and master's candidates due in registrar's office by 9 a.m.
May	Saturday 22	Commencement
May	Sunday 13	Residence halls close for graduating seniors, 2 p.m.
May	Monday 24	All other grades due in registrar's office by 9 a.m.

## SUMMER 2021

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May	Monday 24	Term I begins
May	Monday 31	HOLIDAY - No classes; College closed
July	Saturday 3	Term I ends
July	Monday 5	HOLIDAY- no classes, College closed
July	Tuesday 6	Term I grades due
July	Tuesday 6	Term II begins
August	Sunday 15	Term II ends
August	Wednesday 18	Term II grades due 3 p.m.

### Withdrawal/Tuition Refund Policy for Summer Terms

- 100 percent tuition refund prior to the first day of class for all sessions
- 80 percent tuition refund within the first two calendar days of 1- and 2-week sessions; No tuition refunds thereafter
- 80 percent tuition refund within the first four calendar days of 3- and 4-week sessions; No tuition refunds thereafter
- 80 percent tuition refund within the first seven calendar days of 5- and 6-week sessions; No tuition refunds thereafter

# COMMUNICATING WITH THE COLLEGE

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**By Mail:**

Hood College, 401 Rosemont Avenue, Frederick, Maryland 21701-8575

**By Telephone:**

**Accounting** 301-696-3607

**Admission**, undergraduate and transfer students 301-696-3400 or call toll-free 800-922-1599

**Admission**, graduate 301-696-3600 or call toll-free 800-454-1982

**Bookstore** 301-696-3480

**Campus Safety** 301-696-3548

**Career Center** 301-696-3583

**Cultural and Community Events** 301-696-3800

**Financial Aid** 301-696-3411

**Information Desk** 301-696-3964

**Information Technology Desk** 301-696-3622

**Library** 301-696-3909

**Registrar**, 301-696-3616

**Student Success Center**, advising and academic support services 301-696-3569

**Switchboard** 301-696-3131

**Veteran's Education Benefits** 301-696-3411

**By Fax:**

**All-College** 301-694-7653

**Career Center** 301-696-3561

**Dean of Students** 301-696-3581

**Financial Aid** 301-696-3812

**Graduate School** 301-696-3597

**Registrar** 301-696-3894

**Student Success Center** 301-696-3952

**Undergraduate Admission** 301-696-3819



# A HOOD COLLEGE EDUCATION

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*The College reserves the right and authority to change any programs, policies, requirements, or regulations published in this catalog. Students are responsible for keeping informed of official policies and regulations for meeting all appropriate requirements.*

## ACCREDITATION

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Hood College is accredited by the Middle States Commission on Higher Education (MSCHE), 3624 Market St., Philadelphia, Pa., 19104-2680.

The Hood social work program is accredited by the Council on Social Work Education (CSWE). This accreditation gives graduates the opportunity to apply for advanced standing at many graduate schools of social work, which allows students to earn a master's in social work with one additional year of graduate study.

All business administration degrees, Bachelor of Arts and Master of Business Administration, and minors are accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

The Hood Bachelor of Science in Nursing program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Maryland Board of Nursing.

The Hood Bachelor of Science program in Computer Science is accredited by the Computing Accreditation Commission of ABET.

## OUR VISION

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Hood College is a premier, comprehensive liberal arts college, offering both undergraduate and graduate students an excellent and holistic educational experience that prepares them for personal and professional achievement and productive participation in society. Education at Hood reaches beyond boundaries, whether those boundaries be academic disciplines, the classroom or the campus. We thereby offer a holistic education that encompasses the curriculum, co-curricular experiences and a rich array of experiential learning opportunities facilitating student exploration and fostering intellectual, spiritual and physical growth. We recognize that this vision can only be realized in a diverse, collaborative, student-centered community in which all are empowered to be educators and mentors to our students, facilitating their preparation to “meet personal, professional and global challenges and to lead purposeful lives of responsibility, leadership, service and civic engagement” (Hood College mission).

## OUR MISSION

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Through an integration of the liberal arts and the professions, Hood College provides an education that empowers students to use their hearts, minds and hands to meet personal, professional and global challenges and

to lead purposeful lives of responsibility, leadership, service and civic engagement.

## COMMUNITY SERVICE AND SERVICE LEARNING

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The College's motto, *Corde et Mente et Manu* (With Heart and Mind and Hand), expresses the value placed on service by the Hood community. Opportunities abound for students to engage in service learning that is community-based and enhances the major field of study.

## CAMPUS COMPACT MID-ATLANTIC

Hood College is a member of and houses the Campus Compact Mid-Atlantic, an organization of colleges and universities that promote the development of globally engaged citizens who actively contribute to creating healthy, sustainable and socially just communities in Maryland, Washington, D.C. and Delaware.

## OFFICE OF COMMUNITY AND CIVIC ENGAGEMENT

Located in the Catherine Filene Shouse Center for Career Development and Experiential Education and the Martha E. Church Center for Civic Engagement, this office provides interested students with the opportunity to learn through service to others. Here, student volunteers are provided information regarding local, regional, national and international community service opportunities.

## HOOD'S CENTER FOR COMMUNITY RESEARCH

Housed in the sociology and social work department on the third floor of Alumnae Hall, the Center for Community Research gives students the opportunity to work collaboratively with organizations and agencies in the Frederick community on research projects that meet a community need. Students from a variety of fields—primarily sociology, but also those with majors in disciplines such as law and society, social work, history, political science and environmental studies—have applied their research skills to help solve real-life problems while, at the same time, giving the Frederick community access to some of Hood's resources.

## ACADEMIC RESOURCES

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Hood is particularly well-regarded for its science laboratories, as well as for the strong, collaborative relationships between the College and the nearby Frederick Cancer Research and Development Center of the National Institutes of Health, an internationally renowned research facility. Other specialized resources include art studios, Georgetown Hill at Hood College Lab School, the moot courtroom, the Virginia Munson Hammell '67 Trading Room, the Williams Observatory, specialized

nursing labs, and music study and performance facilities. These, together with other specialized facilities and opportunities, are described in the Undergraduate Programs and Courses of Study section of this catalog, within academic departmental listings.

## THE CENTER FOR THE HUMANITIES

The Center for the Humanities organizes and funds programs and educational opportunities focusing on the humanities for the Hood community. Students are offered the opportunity to enhance course study with free admission to cultural performances and activities. The Janice E. Cole Writing Prize is awarded annually by the Center to the best essay on a subject in the humanities. Humanities faculty coordinate interdisciplinary studies among the humanities disciplines.

## THE HODSON LIBRARY AND LEARNING COMMONS

The Hodson Library and Learning Commons supports scholarship at Hood College by serving the research, teaching, and learning needs of students and faculty.

The library is located conveniently near the academic buildings on campus and online through the library's home page ([www.hood.edu/library/](http://www.hood.edu/library/)). From the website, students can access full-text scholarly journals, magazines, newspapers, electronic books, and other digital content. In addition to the 170,000+ volumes housed in the library, Hood students and faculty have access to print materials at other libraries through its robust interlibrary loan program, which facilitates borrowing from libraries across the country.

Students have a choice of study environments in the library. Study carrels, computer stations, lounge chairs, and large tables offer varied settings for individual study. The library also has a number of group study rooms available; some offer small, intimate spaces, while others offer large collaborative spaces.

Knowledgeable and friendly library staff are available to assist students, through in-person sessions, both walk-in and by appointment, or virtually through text messaging, instant messaging, email and telephone. Subject-specific research guides are available on the library website, as well as citation guidelines, copyright and privacy policies, and other instructional tools. Group library instruction is provided by the reference staff both in the classroom and in the library computer lab. Faculty may arrange information literacy sessions at any time during the year.

Students also have the opportunity to explore and conduct research on Hood College history, through historical school records, photographs and related documents held in the Hood College Special Collections and Archive, located on the 2nd floor. The Hood History Museum showcases Hood's past for current students, prospective students, alumni, and the general public.

Library hours vary to accommodate campus needs throughout the year. The hours can be found on the website at [www.hood.edu/library/](http://www.hood.edu/library/).

## THE INFORMATION TECHNOLOGY CENTER

The Information Technology Center is conveniently located on the first floor of the Hodson Library and Learning Commons building for students, faculty and staff. The center is comprised of the IT help desk and support personnel and is open to all campus constituents during normal business hours. IT support staff are available to troubleshoot technical issues and answer questions concerning the Hodson Library and

Learning Commons technology, both in the computer lab and surrounding critical study spaces.

## THE SHIRLEY CONNER HARDINGE CENTER FOR GLOBAL AND INTERNATIONAL STUDIES

The Shirley Conner Hardinge Center for Global and International Studies enhances the teaching, learning and research of global issues at Hood College. The Center develops innovative ways to educate students in a world where a global perspective and cross-cultural understanding are essential to effective leadership within all disciplines. The Center funds scholarships for students studying abroad; provides funding for students and faculty engaged in international/global research; supports the development of short-term international programs; funds a yearly international visiting scholar, and funds awards recognizing outstanding contributions to global studies. In addition, the Center supports curricular and co-curricular programming and initiatives in various majors and minors broadly related to Global and International Studies.

## THE TIDBALL CENTER FOR THE STUDY OF EDUCATIONAL ENVIRONMENTS

The Tidball Center for the Study of Educational Environments is housed in Alumnae Hall, contains materials accumulated by former trustee Dr. M. Elizabeth Tidball during 25 years of research on collegiate learning environments. These include books, commissioned databases, educational journals and speeches. Since 1992, Dr. Charles S. Tidball has become a colleague in research on the baccalaureate origins of accomplished graduates. In addition, the Small College Database he has developed is an online resource of the Center.

## ACADEMIC COMPUTING AND THE HOOD EXPERIENCE

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Among the College's highest priorities is helping students prepare to function productively in a knowledge-based society. With this goal in mind, the College has advanced the role of technology from being one of purely administrative to one of core importance, both academically and administratively. Every student has access to a Microsoft Office 365 Cloud account, including a suite of productivity applications such as Microsoft Word, Excel and PowerPoint. High-speed internet service is available to every student as well as 1 TB of file storage without a technology fee. Secure Wi-Fi is available throughout campus and supports BYOD and gaming under the College's AUP (Acceptable Use Policy). Visitor Wi-Fi is also available for guests while on campus.

All technology services are accessible from classrooms and residence halls and from off campus via the Internet. Students can use personal devices in the residence halls to access the Internet, send email, print documents and consult course materials. The College uses the Blackboard Learning Management System to publish instructor course content and make academic resources available to students using the Internet and the Hodson Library and Learning Commons academic databases. Access to all streaming services are supported on the campus network as well as support for popular gaming devices and services.

The College embraces the concept of technology-enhanced “Living Learning Centers” by locating a small computer lab in each residence hall. These centers include both Windows and Apple technology as well as a high-speed, networked printer. The College features 32 computer labs located throughout campus. In total, all labs provide more than 500 desktop and laptop computers along with a sophisticated software suite of applications. Nine of the computer labs are open to students, while the remaining computer labs focus on specific academic disciplines. Every computer lab has a laser printer and other technical resources needed to support academic printing needs. Discipline-specific labs include biology, molecular modeling, general and organic chemistry, mathematics, geographic information system (GIS), nursing simulators, coastal studies, Linux computing, cybersecurity, bioinformatics, communication arts, sociology and video editing. All of these special labs have sophisticated, domain-specific software that enhance the learning process and extend students’ analytical resources. To extend the reach of academic computing labs, the College implemented a Virtual Computer Lab (VCL) to complement existing on-campus labs. The Hood VCL allows students to access specialized software suites from any location, on a 24/7 basis.

# THE SPIRIT OF HOOD

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## COLLEGE LIFE

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Hood believes that living as a member of a community provides the best atmosphere for individual growth, so all students are afforded varied opportunities to participate in and lead activities at the College. Because Hood recognizes that students require both challenges and caring guidance to grow, a full range of student services and activities is available. The College is committed to supporting the personal and social development of all students, recognizing that life beyond the classroom walls is a vitally important part of the college experience.

## HOOD: A PLACE OF HONOR AND RESPECT

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*As a place of honor and respect*, all members of the College assume the obligation to maintain the principles of honesty, responsibility and intellectual integrity in all activities relating to their Hood College experience. It is the responsibility of each student to support these values through maturity of thought, expression and action. Members of the faculty, staff and administration are available to assist students in this process.

## THE ACADEMIC HONOR CODE AND CODE OF CONDUCT

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Academic life at Hood is guided by an honor system. The basic aims of the honor system are: to encourage and promote a trustful relationship among all members of the College community, to offer students the opportunity to exercise responsibilities and shared governance on campus and to make students more aware of their personal principles of honor.

The academic Honor Code is shared between the faculty, administration and the students. A judicial system of students, faculty and administrators considers and adjudicates violations of academic integrity.

### The Honor Pledge reads as follows:

“Recognizing the importance and value of the Hood College honor system, I pledge on my personal honor that I will uphold the honor system for the duration of my enrollment at Hood College. Furthermore, I pledge that I will read and make every effort to understand the concepts of the honor system.”

Social behavior is governed by the Code of Conduct. Violations of the Code of Conduct are adjudicated through the Office of Residence Life, the Dean of Student’s Office, Department of Campus Safety and/or student review boards as appropriate to the violation. Academic integrity violations are adjudicated by the Academic Judicial Council (AJC), a

board chaired by the dean of student success and comprised of faculty, staff, and students. All students retain the rights and responsibilities to report any infractions they witness.

## DEAN OF STUDENTS OFFICE

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The Office of the Dean of Students supports the mission of the College through strategic planning initiatives that enhance the quality of student life. The staff is committed to providing co-curricular experiences that promote scholarship, service and respect for diversity in a challenging and inclusive environment. Programs and services are designed to retain students and to encourage student leadership, development and lifelong learning.

Working collaboratively with other divisions of the College, the dean’s office holds primary responsibility for the overall management of the CARE Office (The Campus Awareness, Response and Education Project is supported by Grant No. 2017-WA-AX-0032 awarded by the Office on Violence Against Women, U.S. Department of Justice), Department of Campus Safety, Office of the Dean of the Chapel, Office of Residence Life and Student Conduct, Office of Diversity and Inclusion, Office of Student Engagement and Orientation, Office of Wellness, and the Student Media Organizations Board. The dean of students also advises the Executive Board of the Hood College Student Government Association (SGA). Through the programs and services of these offices, students are offered a plethora of opportunities for personal and professional growth.

## RESIDENCE LIFE

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The residence life program provides students with an opportunity to live with students from diverse backgrounds, encouraging them to learn from others’ experiences. Living in the residence halls helps students learn communication, negotiation and conflict management skills.

There are five traditional-style residence halls on campus (Coblentz, Coblentz Memorial, Meyran, Shriner and Smith) that house between 100 and 145 students each. The new residence hall opening fall 2020 houses 201 students in suites and semi-suites. Smaller language housing options attract students who are interested in a French, German or Spanish living experience. A native speaking student lives in the residence hall full time. Upper-class Honors Program students are also eligible to reside in the Honors Housing community, which is in the new residence hall.

Traditional-aged first-year students, sophomore and junior students are required to live on campus and have roommates unless they are commuting from their parents’ home within a 30-mile drive from campus. For details, see the College’s residency requirement at [www.hood.edu/residency](http://www.hood.edu/residency). Upper-class students are eligible for singles on a space-available basis. Students may apply for a housing accommodation based on medical, psychological, disability, religious, cultural, ethnic

and/or gender-related needs. Instructions for requesting such accommodations can be found on the Accessibility Services portion of the Hood website.

During the summer prior to their arrival, first-year students are assigned a roommate based on a preference-questionnaire. First-year students may request a specific roommate if they know someone else coming to Hood with whom they would like to live. During the spring semester, all current resident students select their rooms and roommates for the upcoming academic year.

Hood's residence halls are part of a shared governance system and residents elect a building president and vice president to serve on the Residential Advisor Cabinet.

Resident assistants live on each residence hall floor and are available to students who have personal or academic concerns, are having problems with their roommates or just need advice, guidance or a referral. They plan programs, disseminate information and work to build a positive community on their floor by enforcing college policies. The RAs are supervised by professional staff members who live on campus full-time. Responsibilities of the professional staff include community-building, shaping positive student behavior, programming, student support and supervision of building staff.

For further information about the residential experience at Hood College, please contact the Office of Residence Life at [residencelife@hood.edu](mailto:residencelife@hood.edu).

## COMMUTER LIFE

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Commuter students represent a diverse population. When not attending classes, many commuters spend time in the Whitaker Campus Center, which houses the Commuter Lounge and commuter student lockers. The Commuter Lounge is stocked with a refrigerator for commuter student use, a tea and coffee maker, utensils, cups, plates, bowls and other miscellaneous supplies. Lockers are available on a first-come, first-served basis. Commuter student lockers can be checked out from student life at the beginning of each semester. If a student requests a locker and none are available, they are added to a waitlist until one becomes available.

The Commuter Council serves as the voice of the commuter students on campus and provides programming and services to commuter students. Each semester the Commuter Council hosts at least one large event, often in the form of a party, for commuter students to enjoy. The events hosted by Commuter Council often include food or treats, surveys and games. Various members of Commuter Council sit on student government committees and boards, giving voice to and representing commuter interests, as well as other clubs and organizations on campus. Members of the Commuter Council help to keep the Commuter Lounge stocked and encourage conversation among commuter students in order to develop ideas to improve commuter life on campus. Any new ideas regarding commuter life are encouraged and can be brought to the attention of any member of the Commuter Council, including its advisor.

Any student can participate in Commuter Council by contacting the advisor or any member of Commuter Council. Meetings are held on a bi-weekly basis throughout the semester. There are several positions within the Commuter Council including the chair, vice chair, secretary, publicity coordinator, treasurer, Student Government Association representative

and board member. The primary responsibilities of the Commuter Council board members are to serve as advocates for commuter students at Hood College, to attend meetings and to assist in the coordination of commuter events. The Commuter Council members serve as representatives for the commuter student population and assist commuter students as they balance academics, athletics, student organization participation and work in order to receive a full college experience despite not living on campus.

## PARKING

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Vehicle registration and a parking hang tag are required to park on campus. Vehicles registered for the regular academic year do not require an additional tag for the summer session.

A parking hang tag does not guarantee the holder a parking space, which is on a space-available basis. Parking in the Whitaker Campus Center lot is restricted to commuter students, faculty and staff. Vehicles parked in violation will be ticketed. Campus Safety may designate certain areas as no parking zones for snow removal purposes. Vehicle registration is available through Self-Service on the Hood College website. A copy of the email confirmation must be taken to the switchboard office to pick up the hang tag. Please refer to the student handbook for details or contact the Department of Campus Safety at 301-696-3548.

## OFFICE OF DIVERSITY AND INCLUSION

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The Office of Diversity and Inclusion provides support for underrepresented student populations. The director of diversity and inclusion advocates for populations such as students of color, veteran students, students with disabilities and LGBTQ+ students. The office also advocates for social justice and equity for all students, faculty, staff and guests through campus policy review and reform and the inclusion of best practices. Throughout the year, students are provided with a variety of services to help foster a more inclusive community. Such services include diversity training, workshops, seminars, referrals, on- and off-campus resources and professional staff who support and advocate for issues of awareness, equality and inclusivity.

Cultural student organizations including the Black Student Union, the Feminist Student Union, La Comunidad (Latinx Student Union), and the Queer Student Union are advised within this office. Support is also provided to the Muslim Student Association, Hillel (Jewish Student Union), Sisters Aspiring for Success, and the Delta Lambda Pi Honor Society. All organizations supported through the Office of Diversity and Inclusion are invited to participate in the Diversity Coalition, a council of students that is advised by the director. The Diversity Coalition is chaired by the Diversity Chair, a voting member of the Student Government Association executive board. Programs coordinated by the Office of Diversity and Inclusion are History/Heritage Months, World AIDS Day, cultural awareness days, campus community standards education during orientation, a Diversity Leadership Recognition Ceremony, and a Donning of the Stoles Graduation Ceremony.

The Office of Diversity and Inclusion is located in the Student Life Suite on the second floor of the Whitaker Campus Center. We can be reached at 301-696-3563 or by emailing [diversity@hood.edu](mailto:diversity@hood.edu).

## RELIGIOUS AND SPIRITUAL LIFE AT HOOD

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The Dean of the Chapel offers support to students, staff and faculty of all spiritual backgrounds. Along with individual pastoral care and spiritual direction, there are a variety of opportunities for religious activity, spiritual exploration and worship with various faith communities at the college and in the greater Frederick area. Each fall students are invited to visit area faith communities to find a spiritual “home away from home.” Every semester brings new possibilities for spiritual nurture and growth. Some of these include Bible studies, meditation groups, spiritual direction, service projects, prayer and pastoral care.

Chapel services with an interfaith theme are held weekly during the school year and special prayer services occur throughout the year commemorating celebrations like Thanksgiving and Holocaust Remembrance Day (Yom Ha’Shoah.) There are chapters of Intervarsity Christian Fellowship, Fellowship of Christian Athletes, Young Life, Muslim Student Association, and Hillel Jewish student association, as well as other informal student lead groups.

Other events during the year include a campus-wide Ramadan feast, a Sukkot booth on the Quad, Holidays at Hood Multifaith Winter Celebration, Ash Wednesday observance, and Liberation of the Black Mind worship service, to name a few.

A Baccalaureate Service closes each year with a celebration of faith and learning. Hood College maintains its historic connection with the United Church of Christ, a Protestant denomination, while honoring the rich diversity of faith expressions on our campus.

## STUDENT ENGAGEMENT

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Through both classroom and extracurricular activities, Hood stresses the development of leadership skills. Hood students are encouraged to develop the skills they need to become effective contributors to their families, professions, communities and society. Noncredit workshops and programs, in addition to credit coursework, offer strong support for the development and acquisition of leadership skills and knowledge. Training is provided for key leaders by selected offices in the division of Student Life.

## STUDENT GOVERNMENT

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All undergraduate, matriculated students are members of the Hood College Student Government Association. The student government at Hood represents the voice of the student body to the faculty and administration and is responsible for overseeing many vital aspects of student life. The HCSGA consists of a student senate, which takes up

issues of importance to the student body and enacts legislation; a judicial branch, which is responsible for the academic honor system; and an executive board, which administers the business of the student government and oversees its committees.

The Campus Activities Board schedules, coordinates and implements a plethora of programs and social activities for students. The finance committee allocates the student activities fees to support the administration and programs of the organizations under its auspices. House Forum oversees the governance of the residence halls, working with the director of residence life to implement policies and procedures, while Commuter Council, working with the director of commuter life and student engagement, oversees the Commuter Student Union and its programs. The Academic Affairs Committee has members serving on or observing at many academic committees of the College, representing student views. The Student Life Committee serves as another voice for students regarding individual or group concerns. The dean of students serves as advisor to HCSGA Executive Board, and the provost serves as advisor the Senate.

## STUDENT ORGANIZATIONS

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Clubs and organizations provide students with opportunities to meet others with similar interests as well as to develop leadership, organizational and management skills. A wide variety of clubs and organizations are available. In addition, a number of student groups and honorary organizations are sponsored by departments of the College. Each year, as new students with new interests join the Hood community, new clubs and interest groups are formed.

For a list of clubs, organizations and interest groups currently active on the Hood campus visit [www.hood.edu/studentorganizations](http://www.hood.edu/studentorganizations).

### Honor Societies

Alpha Delta Pi	Omicron Delta Epsilon	Sigma Iota Rho
Alpha Lambda Delta	Phi Alpha	Sigma Phi Omega
Alpha Psi Omega	Phi Alpha Theta	Sigma Tau Delta
Beta Beta Beta	Phi Kappa Phi	Who’s Who
Delta Mu Delta	Pi Delta Phi	
Gamma Sigma Epsilon	Pi Mu Epsilon	
Ionic Society	Pi Sigma Alpha	
Kappa Delta Pi	Psi Chi	
Mortar Board	Sigma Delta Pi	

## EDUCATIONAL ACTIVITIES

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Through various programs, departments and student organizations, a wide variety of special events and lectures is offered every year. In past years, events and speakers have included Steve Coll, author/journalist; Tony Mendez, retired American CIA Technical Operations Officer; Eli Clare, writer, speaker, activist and teacher; Cofer Black, top U.S. terrorism expert; Wil Haygood, acclaimed journalist and best-selling author; Fred D. Gray, attorney, civil rights and human rights activist; Jessica Jackley, co-founder of KIVA, the world’s first peer-to-peer micro-lending website; Elijah Cummings, U.S. Representative for Maryland’s 7th congressional

district; Ishmael Beah, former child soldier, author and human rights activist; and Baroness Emma Nicholson of Winterbourne House of Lords, United Kingdom.

## INTERCOLLEGIATE ATHLETICS

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The athletic department at Hood College is proud to adhere to the philosophy of the National Collegiate Athletic Association, Division III. Hood College is a member of the Middle Atlantic Conferences, competing in the MAC Commonwealth. The MAC sponsors 22 conference sports that include student-athletes from 17 schools spanning two leagues - the MAC Commonwealth and the MAC Freedom. As a member of the MAC Commonwealth, Hood will compete against Albright College, Alvernia University, Eastern University, Lebanon Valley College, Messiah College, Stevenson University, Widener University and York College in the sports of baseball, basketball, field hockey, lacrosse, men's golf, soccer, softball, tennis and volleyball. The sports such as cross country, women's golf, swimming and track and field, will compete against both the MAC Commonwealth schools as well as the MAC Freedom schools. The MAC Freedom is comprised of Arcadia University, Delaware Valley College, DeSales University, Eastern University, Florham Campus - Fairleigh Dickinson University, Kings College, Lycoming College, Misericordia University and Wilkes University, Stevens Institute of Technology and Wilkes University.

Hood College athletics are designed to contribute to the student's overall educational experience. Each athletic program is conducted in a manner designed to protect and enhance the physical, educational and spiritual well-being of the student-athlete.

Those interested in women's intercollegiate competition can compete in basketball, cross country, Esports, field hockey, golf, lacrosse, soccer, softball, swimming, tennis, indoor and outdoor track and field and volleyball. Men's intercollegiate sports include baseball, basketball, cross country, Esports, golf, swimming, soccer, lacrosse, indoor and outdoor track and field and tennis. An equestrian team is offered as a club sport.

Three full-time certified athletic trainers and one certified strength and conditioning coach work with athletes and coaches in all phases of sports medicine including off-season and in-season strength and conditioning. The intercollegiate athletic program at Hood College complements and enhances the learning experience inherent in a liberal arts education. The program provides the opportunity for athletes to excel physically, emotionally and spiritually. Each athlete is challenged to appreciate and respect individual differences, to work collaboratively to achieve a common goal and to strive for excellence.

To be eligible to participate in intercollegiate sports, a student must be enrolled for at least 12 credits, be in good academic standing and, beginning with their sophomore year maintain a cumulative 2.0 GPA. Students on academic or social probation are not permitted to participate in varsity or club sports.

## RECREATION

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Recreational activities are provided for members of the Hood College community—students, faculty and staff. A wide variety of activities is offered in response to participant interest. Community and area facilities are used for activities such as skiing, rafting and golf. On-campus facilities are used for activities such as yoga and basketball. Fitness equipment in the Hodson Fitness Center is available for use by all members of the Hood College community (students, faculty and staff with a Hood College ID card). The swimming pool, outdoor volleyball court, turf field and tennis courts are also available for recreational use upon availability.

# STUDENT SERVICES

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Hood College offers a variety of support services to assist students in their transition into the college environment. Students enjoy the personal attention that our close-knit community provides.

## STUDENT SUCCESS CENTER

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The Josephine Steiner Student Success Center offers a variety of services and programs to the entire Hood College community to assist students who want to be more effective and efficient learners.

### ACADEMIC ADVISING

Students must take ultimate responsibility for academic planning—of each semester, of each academic year and of degree completion.

First-year students enter the College as undeclared and are encouraged to explore various subjects or disciplines. During that time, they are advised by the instructor of their First-Year Seminar course. Students in some programs may be assigned to a staff advisor, or to a faculty advisor within the major of interest. Students must declare a major by the end of their sophomore year by completing the appropriate form with the Office of the Registrar and may declare as early as the end of the first semester.

Transfer students declare their major upon entering Hood and are assigned an academic advisor in their major field.

### IMPROVEMENT OF BASIC SKILLS: READING, WRITING, MATHEMATICS

Student Success Center staff evaluate all new students' basic skills. The following courses are offered to students who need to improve their skills: GNST 101; MATH 098 and MATH 099; and ENGL 099. Tutoring may be recommended to meet specific needs in the Writing Center and specific math needs in the Math Center. Free tutoring is offered in many other subjects and can be scheduled online through TutorTrac. Individual academic coaching sessions are also available. Students can work with a success coach on time management, study skills, note-taking and test-taking strategies as well as goal setting and motivation.

### PLACEMENT TESTING

Placement tests, also referred to as the Basic Skills Inventory, are administered online by The Student Success Center. All first-year and transfer students are required to take placement tests in the following three academic areas if not transferring in equivalent credit:

<b>English Composition</b>	Required unless credit for a college-level English Composition course is transferred or a score of 4 or 5 is achieved on the AP Language/Composition test
<b>Mathematics</b>	Required for students without credit for a college-level mathematics course or a score of 4 or 5 on the AP Calculus Test. Students with transfer credit in math MAY need to complete the placement test, depending upon the specific credit-bearing

mathematics course(s) transferred to Hood and the intended major.

<b>Foreign language*</b>	Required unless credit for a college-level foreign language course is transferred. Students can take French, Spanish, or German placement tests online.
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Placement tests are generally not required of transfer students with an associate's degree (A.A., A.A.T, or A.S. degree) as all Foundation and Methods of Inquiry areas of the core are considered to have been met. However, if the student does not have the required prerequisites for college-level mathematics classes, the Math BSI will be required.

*\*Please contact The Student Success Center at 301-696-3569 if you wish to take a placement test for a language other than French, Spanish or German.*

### ENGLISH AS A SECOND LANGUAGE

International students who have a strong command of English but need additional language enhancement may be enrolled, depending on placement results, in ENGL 100E/Advanced ESL Skills, which focuses primarily on advanced-level academic writing.

### STUDENTS WITH DISABILITIES

Hood College actively supports the rights of students with disabilities to have equal access to education. In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Hood makes every reasonable effort to accommodate the needs of students with diagnosed disabilities.

Students with disabilities who will need accommodations must notify the Director of Accessibility Services as soon as possible. Early notification prevents delay in the initiation of services and ensures the student full access to educational activities. Students should present documentation of a disability from a medical professional, and this documentation should state accommodations the student requires to participate fully in the educational programs at Hood College. The Director of Accessibility Services will meet with the student to prepare an individualized plan for accessing the appropriate services. The student is then prepared to take on the responsibility of advocating for themselves, with support from the Director. Contact the Office of Accessibility Services at 301-696-3569 or [accessibilityservices@hood.edu](mailto:accessibilityservices@hood.edu).

## CENTER FOR CAREER DEVELOPMENT AND EXPERIENTIAL EDUCATION

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The Catherine Filene Shouse Center for Career Development and Experiential Education provides a range of services and resources to members of the Hood Community. The Center offers assistance at all stages of the career exploration and decision-making process.



- Individual career assessment and counseling;
- Direction in finding community service opportunities with the local non-profit community;
- Guidance in locating an internship experience;
- Extensive online system of job and internship opportunities;
- Graduate, law and medical school guidance and assistance;
- Mentoring opportunities with alumnae and alumni;
- Workshops and fairs on career-related topics

Contact the Center for Career Development and Experiential Education at 301-696-3583 or [careers@hood.edu](mailto:careers@hood.edu) for more information or visit [www.hood.edu/careercenter](http://www.hood.edu/careercenter)

## HEALTH AND COUNSELING SERVICE

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**Hood College's partnership with Frederick Health provides the following services for all Hood College Students:**

- Primary Care- including routine healthcare and referrals, as needed
- Sports Physicals
- Women's Health- including routine pelvic and breast exams, birth control, pregnancy testing, supportive education, and STD testing/treatment
- Men's Health- including physical exams, contraception, supportive education and STD testing/treatment
- Health and Wellness- including immunization and referrals, as needed
- Mental Health- including support for anxiety and depression

### **Payments and Fees**

Most services are at no cost to you. Flu vaccine, TB testing, x-rays, and lab processing for STD testing and pap tests may have associated fees. All Hood College students are required to have health insurance coverage.

### **Contact Us**

#### **Hood College Health Services at Frederick Health**

501 West 7th Street, Frederick, MD 21701

Phone: 301-698-8374 - Option 1

Fax: 301-698-0182

Email: Health Services - [healthservices@hood.edu](mailto:healthservices@hood.edu)

To access Frederick Health Toll House, use the sidewalk between the Volpe Athletic Center and the athletic fields to exit the gate at 7th Street sidewalk to crosswalk at Toll House Avenue.

### **Hours for Health Services (while fall and spring semesters are in session)**

Counseling Services:

Monday-Friday 10 a.m. - 6 p.m.

Health Services:

Monday-Friday 8 a.m. - 8 p.m.

## INTERNATIONAL STUDENT SERVICES

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The Primary Designated Officer (PDSO) and The Graduate School facilitate the successful transition for international students into the College community and support them to maximize the range and extent of their learning opportunities in academic, social, and cultural settings. The PDSO advises students regarding the maintenance of F-1 status (non-immigrant student), immigration petitions such as F-1 work permits (Optional Practical Training, STEM), reinstatement, change of status, medical leave and transfer procedures. Both The Graduate School and Student Life Division host cultural events for domestic and international students.

On-campus housing is available for both undergraduate and graduate international students. During Thanksgiving, winter and spring break, housing is available at no cost for international students living on-campus. Housing during summer is available on priority basis at a nominal cost.

The PDSO's office is located in Apple Resource Center, Room 1.

# ACADEMIC DEPARTMENTS AND PROGRAMS OF STUDY

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## ART AND ARCHAEOLOGY DEPARTMENT

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**Professor:** Jennifer Ross (chair)

**Professor Emeriti:** Frederick Bohrer, Anne Derbes, Alexander Russo

**Associate Professor:** April Morris

**Assistant Professors:** Martha Bari, Gary Cuddington (Studio Arts Coordinator), David Hixson (visiting), Chaz Martinsen

**Gallery Curator:** TBD

The Department of Art and Archaeology offers a range of studio art, art history, art education, archaeology and anthropology courses that prepare the student for graduate study or for a career in various professions. In addition to concentrations in art history, archaeology, studio art and art education, the department also offers four minors, three graduate programs, and contributes to the graduate program in the Humanities.

Art and archaeology faculty are active professionals who frequently participate in conferences, symposia, archaeological projects and regional, national and international exhibitions. The department is closely linked to the community of Frederick and to the cultural centers in Washington, D.C., Baltimore and New York. Invitational art exhibits are held throughout the year in Hood's Hodson and Whitaker Art Galleries, bringing to campus professional work from a variety of artists and representing a wide range of media from fine arts to computer-generated art. In addition, the galleries provide space for a variety of exhibitions of student work.

**Facilities:** Art and archaeology classes are held in the newly renovated Tatem Arts Center, which has studios for design, ceramics, drawing, painting, photography and printmaking. Seniors with a studio art concentration are provided a studio space apart from the classrooms, with 24-hour access. A darkroom houses black and white developing equipment for film. A computer lab provides classroom and work space for digital photography, digital art and photojournalism. The archaeology laboratory in Tatem offers space and equipment for artifact storage and study. The ceramic arts facility consists of a handbuilding/sculpture studio, a wheel room, lecture area, plaster mixing room and cone-6 glaze lab, kiln room with a variety of electric kilns, five full-size and three test kilns. The Hodson Ceramic Studios provide studio space for graduate students, a graduate-level classroom and a cone-10 glaze lab. Gas-fired kilns are located in the kiln yard outside the Hodson Ceramic Studios.

**Undergraduate Programs Offered:**

- Art and Archaeology Major with Archaeology Concentration, B.A. (p. 57)
- Art and Archaeology Major with Art Education Concentration (pre K-12), B.A. (p. 58)

- Art and Archaeology Major with Art History Concentration, B.A. (p. 58)
- Art and Archaeology Major with Studio Art Concentration, B.A. (p. 59)
- Art Therapy Major, B.A. (p. 59)
- Art History Minor (p. 91)
- Archaeology Minor (p. 90)
- Graphic Design Minor (p. 95)
- Studio Art Minor (p. 99)

**Graduate Programs Offered:**

- Ceramic Arts (M.A.) (p. 208)
- Ceramic Arts (MFA) (p. 209)
- Ceramic Arts Graduate Certificate (p. 228)

## BIOLOGY DEPARTMENT

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**Professors:** Ann L. Boyd, Drew Ferrier, Ricky Hirschhorn, Craig Laufer (co-chair), Oney P. Smith (co-chair)

**Professor Emerita:** Laura Betsy Estilow

**Associate Professors:** Eric Annis, April Boulton, Susan Carney, Kathy Falkenstein, Eric Kindahl

**Associate Professor Emeritus:** Jeffrey L. Rossio

**Assistant Professors:** James Cherry, Daehwan Kim

The Department of Biology offers two programs of study leading to a Bachelor of Arts degree and three programs leading to a Master of Science degree. A biology minor, a coastal studies minor and an environmental science minor are also offered.

The undergraduate major in biology leads to a Bachelor of Arts degree. Biology majors also may earn secondary teaching certification.

The environmental science and policy major is an interdisciplinary major leading to a Bachelor of Arts degree, administered by the departments of biology; chemistry and physics; economics and management; and political science. Students who choose this major take a common core of environmental studies, natural sciences and social sciences courses, then concentrate in environmental biology, environmental chemistry, environmental policy or coastal and watershed studies. Each area of study is structured to meet the particular goals of that program. There is ample freedom in the course selection, however, to allow for programs tailored to individual needs.

The Master of Science degree is offered in bioinformatics, biomedical science and in environmental biology.

**Facilities:** The department is housed in the Hodson Science and Technology Center. All laboratory facilities are either completely new or

newly renovated. Lecture and lab classrooms have the latest in multimedia classroom presentation hardware. Specially designed and equipped labs for molecular biology, microbiology, physiology and animal behavior are available for course work and student and faculty research. Additional facilities such as dark room, cold room, tissue culture lab, fluorescence microscopy and an environmental analysis lab are all available for teaching and faculty and student research. Students can conduct environmental analyses using high performance liquid chromatography, gas chromatography, atomic absorption and other analytical instruments. A greenhouse, environmental chambers and aquatic laboratory are available to grow and study plants and animals. Other major instrumentation includes a scanning electron microscope, ultracentrifuge and automated DNA sequencer. Along with the new teaching labs and classrooms, specially designed laboratories for student and faculty research enhance the opportunities for students to join with the faculty in pursuing work from the biochemical to the ecological.

#### Undergraduate Programs Offered:

- Biology Major (B.A.) (p. 61)
- Environmental Science and Policy Major (B.A.) (p. 74)
- Sustainability Studies (B.A.) (p. 87)
- 4Plus Dual Degree (B.A./M.S.) Program in Environmental Science (p. 75)
- 4Plus Dual Degree (B.A./M.S.) Program in Biology and Biomedical Science (p. 63) (p. 63)
- 4Plus Dual Degree (B.A./M.S.) Program in Biochemistry and Biomedical Science (p. 61)
- Biology Minor (p. 91)
- Coastal Studies Minor (p. 92)
- Environmental Studies Minor (p. 93)

#### Graduate Programs Offered:

- Biomedical Science (M.S.) (p. 205)
- Environmental Biology (M.S.) (p. 218)
- Geographic Information Systems (GIS) in Biology (Certificate) (p. 230)

## CHEMISTRY AND PHYSICS DEPARTMENT

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**Professors:** Kevin Bennett, Susan Ensel, Allen Flora (chair), Christopher Stromberg

**Professor Emerita:** Sharron W. Smith

**Associate Professor:** Dana Lawrence

**Assistant Professor:** Ashish Chakradhar

**General Chemistry Coordinator:** Nicholas Kettenhofen

**Chemistry Lab Technician:** Christina Orcutt

The department offers two undergraduate majors: chemistry and biochemistry. The major in chemistry consists of a core of chemistry courses with some work in physics and mathematics.

The major in biochemistry consists of a combination of chemistry and biology courses, also with some work in physics and mathematics.

Chemistry majors may earn secondary teaching certification. Minors in chemistry and physics are offered, as well as an environmental chemistry concentration in the environmental science and policy major.

The chemistry and physics faculty are active professionals and scholars.

**Facilities:** Chemistry and physics teaching laboratories are equipped with computer-controlled data acquisition and analysis systems. Chemistry students use instruments such as a nuclear magnetic resonance spectrometer; a GC-Mass spectrometer; an LC-Mass Spectrometer; Fourier transform infrared spectrometer; a visible and ultraviolet spectrophotometer; a SPEX fluorimeter; a Raman spectrometer; high performance liquid chromatographs; a capillary electrophoresis system; and calorimeters. Research laboratories contain additional specialized equipment.

#### Undergraduate Programs Offered:

- Biochemistry Major (B.A.) (p. 60)
- Chemistry Major (B.A.) (p. 65)
- Environmental Science and Policy Major (B.A.), Environmental Chemistry concentration (p. 74)
- Dual Degree (B.A./M.S.) Program in Biochemistry and Biomedical Science (p. 61)
- Chemistry Minor (p. 91)
- Physics Minor (p. 97)

## COMPUTER SCIENCE AND INFORMATION TECHNOLOGY DEPARTMENT

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**Professor Emeritus:** Elizabeth B. Chang, Paul J. Gowen

**Associate Professors:** George Dimitoglou, Aijuan Dong, Xinlian Liu, Ahmed Salem (chair)

**Assistant Professors:** Carol Jim, Jiang Li, William Pierce

**Technical Coordinator:** Robert Jones

The Department of Computer Science offers an undergraduate major in computer science (B.S. degree), graduate programs in bioinformatics (M.S. degree), computer science (M.S. degree), cybersecurity (M.S. degree), information technology (M.S. degree) and management information systems (M.S. degree), and a graduate certificate in bioinformatics and cybersecurity.

**Facilities:** The College maintains Windows and Linux-based computer laboratories with software tools installed to support course instruction and student and faculty research activities. In addition, in the Hodson Science and Technology Center, the department maintains dedicated general-purpose and special-purpose servers, a dedicated Linux lab, and an advanced Cyber & Informatics Lab for use by cybersecurity, bioinformatics, computer science and information technology students.

#### Undergraduate Programs Offered:

- Computer Science Major (B.S.) (p. 67)
- 4Plus Dual Degree Program-B.A. or B.S./M.S. Information Technology (p. 67)
- Computer Science Minor (p. 92)

#### Graduate Programs Offered:

- Bioinformatics (Certificate) (p. 228)
- Bioinformatics (M.S.) (p. 205)
- Computer Science (M.S.) (p. 210)
- Cybersecurity (M.S.) (p. 215)
- Cybersecurity (Certificate) (p. 229)
- Information Technology (M.S.) (p. 220)
- Management Information Systems (M.S.) (p. 222)

## THE GEORGE B. DELAPLAINE JR. SCHOOL OF BUSINESS

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**Professor:** Anita Jose

**Associate Professor:** David Gurzick (chair), Sang W. Kim, Tianning Li (MBA director), Jerrold Van Winter

**Associate Professor Emeriti:** William R. Agee, Joseph E. Dahms

**Assistant Professors:** James Hua, Ryan Safner (visiting), Mel Zuberi

The George B. Delaplaine Jr. School of Business offers four bachelor of arts degrees, accounting, economics, integrated marketing communications (joint with Department of English and Communication Arts), and business administration, plus the Master of Business Administration and doctorate in business administration at the graduate level. In addition, accelerated B.A. and MBA programs are also available.

The School of Business offers courses and programs of study that are concerned with people in various social and organizational contexts.

Majors in economics and business administration have pursued graduate study in economics and business administration and have entered careers in a variety of business sectors and in many organizational types from corporate to non-profit, start-up to public agencies. While there are required courses in both undergraduate B.A. majors, there is flexibility in selecting elective courses. Students select concentrations of courses that focus on specific education and career interests and may even pursue a double major when it serves their career needs.

The graduate program in business administration is designed to increase career mobility and to improve management skills for those in, or seeking to enter, management positions.

The School of Business faculty represent a variety of backgrounds including economic theory, economic development, environmental economics, international economics, econometrics, finance, accounting, public administration, marketing, international business, personnel management, organization theory, management information systems, entrepreneurship and strategic management.

### **Undergraduate Programs Offered:**

- Accounting Major (B.A.) (p. 56)
- Business Administration Major (B.A.) (p. 63)
- 4Plus Dual Degree Program - Business Administration, B.A./Business Administration, MB (p. 64)A (p. 64)
- Economics Major (B.A.) (p. 67)
- Integrated Marketing Communication Major (B.A.) (p. 79)
- Actuarial Science Minor (p. 89)
- Business Administration Minor (p. 91)
- Economics Minor (p. 92)

- Management Minor (p. 95)

### **Graduate Programs Offered:**

- Business Administration, MBA (p. 207)
- Accounting, Certificate (p. 228)
- Financial Management, Certificate (p. 230)
- Organizational Management, Certificate (p. 232)
- Project Management, Certificate (p. 231)

### **Doctoral Program Offered:**

- Organizational Leadership, DBA/DOL (p. 225)

## EDUCATION DEPARTMENT

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**Professor:** Kathleen Bands

**Professor Emeriti:** Patricia M. Bartlett, Dean Wood

**Associate Professors:** Kristine Calo, Jennifer Cuddapah, Christy Graybeal (chair), Ellen G. Koitz, Tricia Strickland, Marisel Torres-Crespo

**Associate Professor Emeriti:** Noel Farmer, John C. George, Carla S. Lyon, Judith Sherman, Roberta Strosnider

**Assistant Professors:** Rebecca Grove, Suzanne Hiller, Paulette Shockey

**Assistant Professor Emerita:** Kittybelle Hosford

**Instructor:** Daniel Shea (visiting)

**Professional Development School Director, ECE and Elementary/Special and Secondary Education PDS Liaison:** Paula Gordon

### **Title II Supplementary Information available at:**

<https://title2.ed.gov/Public/Home.aspx>

The Department of Education offers undergraduate degrees in early childhood education and elementary/special education as well as certification in early childhood education, dual certification in elementary and special education, art, (preK-12), biology, chemistry, English, French (preK-12), history, mathematics and Spanish (preK-12). Master of Science degrees are offered in Educational Leadership, Reading Specialization, Multidisciplinary Studies, and in Curriculum and Instruction, with concentrations in elementary education, elementary school science and mathematics, secondary education and special education. All Hood College Education programs are approved by the Maryland State Department of Education, and meet the Title II requirements of the Higher Education Act. In addition, all programs are based conceptually on the Interstate Teacher Assessment and Support Consortium (InTASC) Standards. In partnership with the Department of Mathematics, the Department offers a Master of Science in Mathematics Education and a Master of Science in Mathematics Instructional Leadership. In partnership with the Department of Economics and Business Administration, the Department of Education offers a Doctoral Program in Organizational Leadership.

Education faculty are active in national professional organizations and in local schools as supervisors of students, consultants and researchers. Hood's full-time faculty is supplemented by adjunct faculty who are recognized as distinguished educators.

**Facilities:** Several facilities on campus serve as laboratories or curriculum materials centers for the teacher education program. The

Georgetown Hill at Hood College Lab School, founded in 1929, serves as a child development laboratory school for 3- and 4-year-old children. Students observe and teach in the Lab School. An elementary science and mathematics classroom and the instructional technology classroom are available to students. In addition, many courses are taught in the Tatem Art Building's "Smart Rooms," which are equipped with instructional technology. Area school districts work cooperatively with the education department in offering numerous field experiences to teacher education students through Professional Development School (PDS) partnerships. Education students are engaged in continuous and extensive field experiences in the PDS and the Lab School beginning with their first education course and continuing through program completion.

#### **Undergraduate Programs Offered:**

- Early Childhood Education Major (B.A.) (p. 69)
- Elementary/Special Education Major (B.A.) (p. 70)
- Secondary Education Certification (p. 71)
- Post-Baccalaureate Teacher Certification in Early Childhood Education, Elementary/Special Education, and Secondary Education (p. 68)

#### **Graduate Programs Offered:**

- Curriculum and Instruction (M.S.) (p. 212)
- Educational Leadership (Graduate Certificate, M.S.) (p. 217)
- Education, Multidisciplinary Studies (M.S.) (p. 216)
- Mathematics Education (M.S.) (p. 223)
- Mathematics Instructional Leadership (M.S.) (p. 224)
- Reading Specialization (M.S.) (p. 227)
- Elementary Science-Technology-Engineering-Mathematics (STEM) Education (Graduate Certificate) (p. 230)
- Secondary Mathematics Education (Graduate Certificate) (p. 232)

#### **Doctoral Program Offered:**

- Organizational Leadership (DOL/DBA) (p. 225)

#### **Our Vision as a Department**

We believe that education is a scholarly pursuit, a science, an art, and a profession. Quality education is a fundamental right of every child and well-prepared educational professionals are integral to the success of students and society as a whole. To this end, the Education Department at Hood College strives to prepare and support future and current educators who are experts in both content and pedagogy, and responsive to meeting the diverse needs of every student. Our programs aspire to develop reflective practitioners who continually improve their practice and advocate for the value of education.

#### **Mission Statement**

The mission of the Education Department at Hood College is to prepare future and current educational professionals with the knowledge, skills, strategies and dispositions necessary to facilitate learning in a diverse society.

#### **Institutional (Department) Outcomes**

We believe that the education department at Hood College prepares educators who:

1. Demonstrate the subject matter content, pedagogical knowledge, teaching skills and professional dispositions necessary to ensure that all of their students and clients learn. (CONTENT KNOWLEDGE and SKILLS)

2. Use their knowledge of diversity to create learning environments that support the belief that all students can learn. (DIVERSITY)
3. Use assessment data to guide practices that support the belief that all students can learn. (ASSESSMENT)
4. Use technology to enhance learning. (TECHNOLOGY)
5. Communicate effectively with students, families and colleagues in order to facilitate learning. (COMMUNICATION)
6. Reflect on their practice and are committed to continued professional growth. (REFLECTIVE PRACTICE)
7. Demonstrate ethics and integrity to show respect for the profession. (ETHICS and INTEGRITY)

The education department envisions developing well-educated and well-prepared teachers and educators.

## **ENGLISH AND COMMUNICATION ARTS DEPARTMENT**

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**Professors:** Amy Gottfried (director of the Creative Writing concentration), Mark Sandona

**Professors Emeriti:** Donna Bertazzoni, Courtney Carter, Carol Kolmerten, Aldan Weinberg

**Associate Professors:** Elizabeth Atwood, Trevor Dodman, Elizabeth Knapp (chair), Heather Mitchell-Buck, Katherine Orloff (director of Communication Arts program)

**Assistant Professors:** Joe Brady, Alan Goldenbach, Brooke Witherow

**Instructors:** Janie O'Neal

The Department of English offers majors in English, Communication Arts, Integrated Marketing Communication and seven minors.

Secondary education certification is also available for the major in English.

#### **Undergraduate Programs Offered:**

- English Major (B.A.) (p. 72)
  - English Major, B.A. with Literature Concentration (p. 73)
  - Creative Writing Concentration (p. 72)
  - Drama and Theatre Concentration (p. 73)
- Dual Degree Program - English, B.A./Business Administration, MBA (p. 64)
- Communication Arts Major (B.A.) (p. 66)
- Integrated Marketing Communication Major (B.A.) (p. 79)
- Film Studies Minor (p. 93)
- Graphic Design Minor (p. 95)
- Journalism Minor (p. 95)
- Literature Minor (p. 95)
- Public Relations Minor (p. 98)
- Studies in Women and Gender Minor (p. 99)
- Theatre and Drama Minor (p. 100)
- Writing Minor (p. 100)

## GLOBAL LANGUAGES AND CULTURES DEPARTMENT

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**Professors:** Lisa Algazi Marcus, Didier Course, Scott Pincikowski, Donald Wright, Maria Griselda Zuffi (chair)

**Professor Emerita:** Roser Caminals-Heath

**Assistant Professor:** Robert Casas Roige

**Assistant Professor Emerita:** Loretta M. Bassler

The Department of Global Languages and Cultures offers French, Spanish: Iberian and Latin American Cultural Studies, and Arabic and Middle Eastern Studies majors. The department also offers minors in French, German, Middle Eastern Studies, Spanish: Iberian and Latin American Cultural Studies.

Unless a student plans to teach or continue with graduate studies, the department encourages double majors in languages and another discipline.

Department offerings include, in addition to traditional language and literature courses, introduction to translation and interpretation, cross-cultural courses, language skills for the world of work and internships. Chapters of national honor societies for French and Spanish students have been established on campus.

**Language Residences:** As part of its educational program, the department operates three small residences—a French, a Spanish and a German house, each under the leadership of a resident director who is an assistant in the department and a native speaker of the language. While in residence, the students are expected to speak French, Spanish or German exclusively.

**Study Abroad:** The department requires students to spend a semester studying abroad through Hood's affiliation with programs in Seville, Spain; Munich and Mainz, Germany; Egypt; Jordan; and Toulouse, Nice and Paris, France, Argentina, Ecuador and Mexico. Language majors who do not go abroad at least one semester will spend two years in a language house on campus.

### Undergraduate Programs Offered:

- Arabic and Middle Eastern Studies Major (B.A.) (p. 57)
- French Major (B.A.) (p. 75)
- Spanish: Iberian and Latin American Cultural Studies Major (B.A.) (p. 87)
- Arabic and Middle Eastern Studies Minor (p. 90)
- French Minor (p. 94)
- German Minor (p. 94)
- Spanish: Iberian and Latin American Cultural Studies Minor (p. 99)

### Certificates in Linguistics and Cultural Competency:

- Intermediate Arabic and Middle Eastern Studies Certificate (p. 101)
- Advanced Arabic and Middle Eastern Studies Certificate (p. 101)
- Intermediate French and Francophone Studies Certificate (p. 101)
- Advanced French and Francophone Studies Certificate (p. 101)
- Intermediate German Certificate (p. 101)
- Advanced German Certificate (p. 102)
- Intermediate Spanish and Latin American Studies Certificate (p. 102)
- Advanced Spanish and Latin American Studies Certificate (p. 102)

## HISTORY DEPARTMENT

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**Professor:** Emilie Amt

**Professor Emeriti:** Purnima M. Bhatt, Gerald McKnight

**Associate Professors:** Corey Campion, Jay Harrison (chair), Terry Anne Scott

The Department of History offers a Bachelor of Arts degree in history. History majors may earn secondary education certification.

### Undergraduate Programs Offered:

- History Major (B.A.) (p. 77)
  - Public History Concentration (p. 77)
- Dual Degree Program - History, B.A./Business Administration, MBA (p. 64)
- History Minor (p. 95)
- Public History Minor (p. 97)

## HONORS PROGRAM

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The Hood College Honors Program is a four-year program of coursework, co-curricular events and extracurricular activities. Honors courses, which are designed to cultivate students' ability to examine our complex world, are interdisciplinary in approach and are often team-taught. Classes are small, discussion-oriented and frequently enhanced by guest speakers and field trips.

### The Honors Program includes the following requirements:

- FYS 101H and HON 102 taken during first year
- HON 201 and HON 202 taken during sophomore year
- At least one 300-level or 400-level HON course taken during junior year
- A second 300-level or 400-level HON course (or approved replacement) taken during the sophomore, junior or senior years
- HON 470 (the third upper-level HON course required) taken during the junior or senior years
- Demonstration of 202-level proficiency in a global language (other than English, Latin or ASL)

### GPA Requirements

To remain in good standing in the Honors Program, first-year students are required to maintain at least a 3.0 GPA. Sophomores, juniors, and seniors are required to maintain at least a 3.25 GPA. Students who have a GPA that falls below the minimum requirement will be placed on probation within the program or dismissed from it.

### Grade Requirements

A grade of "C-" or better is required in each Honors course being used to satisfy the Program requirements.

- Any student who receives a grade lower than a C- in FYS 101H will be dismissed from the program.
- Any student receiving a grade lower than C- in HON 102, HON 201 or HON 202 may be dismissed from the program. If allowed to continue in Honors, the student will need to repeat that course the next time it is offered and earn a grade of C- or higher in order to fulfill the program requirements.

**Global Language Requirement**

Students in the Honors Program must demonstrate proficiency in a global language (other than English, Latin or ASL) through the 202-level. Proficiency can be demonstrated by successful completion of a 202-level course or by a placement exam.

**First-Year Honors Experience**

First-year students in the Honors Program take two Colloquium courses organized around interdisciplinary themes. In the first semester the course emphasizes the humanities. The second semester explores a theme related to the sciences.

- FYS 101H First Year Seminar-Honors Colloquium I
- HON 102 Honors Colloquium II

**Sophomore Year Honors Experience**

The sophomore year in Honors helps students to explore the nature of knowledge, cultural differences and the individual's place in society.

During the second semester (HON 202) students combine scholarly research with experiential learning in the community.

- HON 201 Honors Colloquium III
- HON 202 Honors Practicum

Selected first-year students may begin the program at the end of their first or second semester at Hood. These students begin taking Honors courses at the time of their entry into the program and exempt earlier Honors courses.

Honors students may begin taking their upper-level Honors electives in the sophomore year. Because Honors electives are offered on a variable schedule, students who are particularly interested in a course are urged to take it the first time it is offered during their eligible years. Students who take an upper-level Honors elective in their sophomore year are still required to take HON 201 and HON 202 during their sophomore year.

**Honors Experience in Junior and Senior Years**

Students in the Honors program will complete at least three Honors courses (or approved replacements) at the 300-level or above. At least one of those upper-level HON courses must be HON 470 Seminar. HON 470 may be repeated once under a different topic.

**Approved Replacements for Upper-Level Honors Elective Courses**

Students who study abroad for at least one semester may count that experience as one of their upper-level Honors electives. Students who complete a two-semester departmental honors paper (499) may count that paper as one of their upper-level Honors electives.

Students who complete a 6-credit departmental honors paper (499) may count that paper as one of their upper-level Honors electives.

As an alternative to a departmental honors paper, students in Hood's Honors Program may elect to complete a 3-credit interdisciplinary HON 499 paper or project during the fall or spring semester of the senior year.

**Relationship to the Core Curriculum**

Students will receive one Methods of Inquiry Core Curriculum replacement for each Honors course completed in the 102, 201, 202 sequence. (Note: Honors credit may not be used as a replacement for the laboratory science requirement.) Successful completion of HON 201 also satisfies the Global Perspectives requirement of the Core.

**Transferring into the Honors Program**

The Honors Program welcomes qualified transfer students.

**Those who have successfully completed two years of an honors program at another college or university before transferring to Hood**

may enter the Hood College Honors Program at the junior level. In order to complete the program, such students must take HON 470 and a minimum of two other upper-level Honors Program courses (or approved replacements). Students must also complete the program's global language requirement (see below).

Students who transfer to Hood without having completed two years of an honors program at another college or university, may also join the Honors Program. They must take a minimum of five Honors Program courses: HON 201, HON 202, HON 470 and at least two other HON courses at the 300-level or above (or approved replacements). Students must also complete the program's global language requirement (below). Sophomore transfers who complete HON 201 and HON 202 may use those courses to replace two courses from the Methods of Inquiry Core (other than laboratory science).

**Global Language Requirement** Students transferring into the Honors Program with an A.A., A.S., or AAT or who have earned A.A. equivalency may satisfy the global language requirement in one of the following ways:

Demonstrate proficiency in a global language through the 203-level (by coursework or placement exam)

or

Successfully complete any two global language courses

or

Complete one global language course **and** one of the following

AFPS 353, Contemporary African Political Thought

ANTH 302, Cultural Anthropology

ART 356, Art of Japan

GER 301, Berlin in the 20th Century

GLBS 301, Human Migrations: Refugees and IDPs

MEST 300, Cultures of the Middle East

PLRL 306, Chinese Thought

REL 304, Islam

REL 312, Holidays and Festivals

**Note: English, Latin and ASL cannot be used to satisfy the Global Language requirement of the Honors Program.**

Students who place in and complete a 203, 204 or civilization course-level French, German, or Spanish course during the first semester at Hood with a grade of C or above earn 6 additional credits. No additional credits are awarded for students already awarded transfer credit for French, German, or Spanish 201 and 202.

**Recognition of Honors Students**

To graduate from the Honors Program, students must earn a cumulative GPA of at least 3.25. Students who fulfill the Honors requirements will earn Honors Program recognition on their academic records.

## LAW AND CRIMINAL JUSTICE DEPARTMENT

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**Professor:** Janis Judson (chair)

**Assistant Professor:** Teresa Bean

The Department of Law and Criminal Justice offers a Bachelor of Arts degree in law and criminal justice.

The law and criminal justice department designed a realistic moot courtroom based on our knowledge of experiential learning formats. The courtroom, located on the second floor of Tatem, is used to stage criminal trials and for appellate legal proceedings. Several classes in law, criminal justice, and political science are held in the moot courtroom.

### Undergraduate Programs Offered:

- Law and Criminal Justice Major (B.A.) (p. 79)

## MATHEMATICS DEPARTMENT

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**Professor Emerita:** M. Elizabeth Mayfield

**Professor:** Ann Stewart

**Associate Professor:** James Parson (chair)

**Associate Professor Emeritus:** Douglas Peterson

**Assistant Professors:** Sara Malec, Nicholas Owad, Jill Tysse

The Department of Mathematics offers a Bachelor of Arts degree and a minor in mathematics.

In conjunction with the education department, the mathematics department also offers certification in secondary mathematics, a minor in mathematics education, a post-baccalaureate certificate in secondary mathematics education and master's degrees in mathematics education and mathematics instructional leadership. With the George B. Delaplaine Jr. School of Business, the mathematics department coordinates a minor in actuarial science.

### Undergraduate Programs Offered:

- Mathematics Major (B.A.) (p. 80)
- Mathematics Major (B.A.) with Secondary Education Certification (p. 80)
- Actuarial Science Minor (p. 89)
- Mathematics Education Minor (p. 96)
- Mathematics Minor (p. 96)

### Graduate Programs Offered:

- Mathematics Education (M.S.) (p. 223)
- Mathematics Instructional Leadership (M.S.) (p. 224)
- Secondary Mathematics Education, Certificate (p. 232)

## MUSIC DEPARTMENT

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**Professor:** Wayne L. Wold (music theory, composition, organ, harpsichord, concert manager)

**Associate Professor:** Noel Verzosa (chair, music history and literature, world music, appreciation, musical theater, special topics)

**Instructor:** Lynn Staininger (choral activities, conducting, appreciation, fundamentals, special topics)

**Adjunct Instructors:** Anna Claire Ayoub (bassoon), Lisa Dodson (voice), David Duree (clarinet and saxophone), Lynn Fleming (string bass), Brian Hinkley (brass and wind ensemble, conducting), David Howard (cello), RoseAnn Markow Lester (violin, viola, string ensemble, director of preparatory music), Kevin Lewis (jazz ensemble), William Powell (piano), Gregory Shock (oboe and English horn), William Simms (guitar, early music ensemble), Barbara Spicher (flute), Antony Zwerdling (voice).

Music is a cornerstone of a liberal arts education and, as such, Hood offers majors and minors in music history and literature, performance, and piano pedagogy and certificates in piano pedagogy and performance. The music curriculum has the following objectives: development of the enjoyment of music, proficiency in musical performance, understanding of music as a cultural and historical artifact, preparation for a career in music, and preparation for graduate school.

Most members of the department are concert artists, some of whom have performed nationally and internationally. Several are award-winning recording artists.

**Facilities:** Hood's facilities for the study of music include eight practice rooms with Yamaha studio upright pianos, teaching studios with grand pianos (mostly Steinways), a large pipe organ, a practice organ, a harpsichord, a music-lab computer station and several performing venues: Brodbeck Music Hall, Hodson Auditorium, and Coffman Chapel.

**Performances:** Students have many performing opportunities through participation in recitals; performance labs; choir; chamber singers; the wind, string, jazz, and early music ensembles; and other smaller chamber groups. The choral groups perform several times each semester, including the annual "Messiah and More" performance, Candlelight Vespers, and the other ensembles present end-of-the-semester concerts each term. Numerous concerts each year by distinguished guest artists and faculty artists are also held.

**Credit by audition:** Students who have a substantial background in applied music may apply for credit for that study by arranging an audition with the department. A maximum of 4 credits will be awarded, based on the audition.

### Undergraduate Programs Offered:

- Music Major (B.A.)
  - Music History and Literature Concentration (p. 80)
  - Music Performance Concentration (p. 81)
  - Piano Pedagogy Concentration (p. 81)
- Music History and Literature Minor (p. 96)
- Music Performance Minor (p. 96)
- Music Performance Certificate (p. 102)
- Piano Pedagogy Certificate (p. 102)



### Applied Music

Hood offers individual instruction in piano, organ, harpsichord, violin, viola, cello, string bass, flute, English horn, clarinet, oboe, saxophone, all brass instruments, voice, guitar, composition, and conducting. Beginning instruction in all areas is available with consent of the Department. In all instrumental areas except piano, organ, and harpsichord, students are expected to provide their own instruments.

Students take applied music for credit. Students may choose to take either one 30-minute lesson per week, which will earn them 1 credit for the semester; or one 60-minute lesson per week, which will earn them 2 credits for the semester. Two 30-minute lessons may be combined into a 60-minute lesson each week at the discretion of the instructor.

Students taking applied music for credit must attend three department-approved concerts each semester and are expected to participate in performance labs scheduled throughout the semester. Applied music credits are based on reasonable progress, fulfillment of the concert and performance requirements, and successful completion of an end-of-semester departmental exam ("jury"). Students taking lessons in more than one area of applied music must complete a jury for each area of study (Students in their first semester of study are exempt from juries).

There is a modest fee for lessons and use of the practice rooms; the Department is sometimes able to award scholarships to help cover these fees. A maximum of 4 credits by examination may be earned by students with an extensive background in applied music.

For detailed, up-to-date information on the applied music program and policies, please consult the Applied Music Handbook.

### Music Ensembles

Students may elect to enroll in a music ensemble for credit regardless of their field of study. Music majors and minors have specific requirements regarding specific ensembles and number of credits required. Students earn one-half credit for each semester of ensemble and may earn up to 6 credits during their Hood careers.

*Note: in all cases, the appropriate director must approve placement in music ensembles.*

## NURSING DEPARTMENT

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**Assistant Professors:** Linda Kennedy (chair), Jennifer Cooper, Joseph Haymore, Elizabeth Mackessy-Lloyd, Sandra Thomas-Lalmansingh

Hood College offers a Bachelor of Science in nursing designed to educate students to become safe nursing practitioners and to prepare them to take the NCLEX examination. The program provides basic nursing education along with the required competencies for nursing in today's health care environment. With a curriculum grounded in the liberal arts, natural sciences, and nursing courses focusing on leadership, research and evidence-based practice, critical thinking, nursing theory and communication, students are well prepared to enter the field of nursing. Nursing students must also meet all requirements of the Hood College Core Curriculum (p. 40).

#### Undergraduate Programs Offered:

- Nursing (BSN) (p. 82)
- Public Health (B.A.) (p. 85)

## PHILOSOPHY AND RELIGIOUS STUDIES DEPARTMENT

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**Professors:** Karen Hoffman (chair)

William Allen (Libman Professor)

The Department of Philosophy and Religious Studies offers a major in philosophy as well as minors in ethics, religion, and philosophy. The solid liberal arts foundation provided by the philosophy major serves as a good beginning for a career in almost any field, including law, medicine and business.

Philosophy and religious studies faculty are distinguished scholars and teachers who have extensive knowledge of theoretical and applied ethics, political philosophy, the history of philosophy, contemporary topics in philosophy and philosophy of film.

**Writing across the departmental curriculum:** Departmental faculty strongly believe that students who take religion and philosophy courses should not only increase their knowledge but also improve their writing skills. Reading, thinking, writing and intelligent discussion are the principal means by which students engage with the subject matter of courses in religion and philosophy.

#### Undergraduate Programs Offered:

- Philosophy Major (B.A.) (p. 82)
- Ethics Minor (p. 93)
- Philosophy Minor (p. 96)
- Religion Minor (p. 98)

## PHYSICAL EDUCATION DEPARTMENT

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**Professor Emeriti:** Karen Klisch, Bonnie J. Neuman

**Associate Professor Emeriti:** Doris M. Bailey, Dorothy Johnson

At a time when the nation is witnessing an obesity epidemic and has an aging population at risk for falls, and the population enjoys watching sports more than playing sports, health science and sport science bring together individuals with backgrounds in physiology and wellness and health education to work on these and many other important public health problems.

The Department of Physical Education offers course work directed at increasing student awareness of the importance of a healthy lifestyle and physical activity and at gaining the skills and understanding basic to a lifetime of wellness. Students have the opportunity to complete lecture classes focusing upon sports science and health education, as well as activity classes focusing upon physical fitness, creative expression, risk-taking and sports skills.

**Facilities:** The College's sports facilities include Gambrill Gymnasium which houses a dance studio, gymnasium floor, aerobics room and yoga room; Hodson Fitness Center with treadmills, ellipticals and exercise bicycles, as well as weight machines and free weight equipment; Hood Tennis Complex with six tennis courts; Huntsinger Aquatics Center; and Thomas Athletic Field.

## POLITICAL SCIENCE DEPARTMENT

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**Professors:** Paige Eager, Janis Judson

**Professor Emerita:** Margery Elfin, Hoda Zaki

**Associate Professors:** Carin Robinson, Tamelyn Tucker-Worgs (chair)

**Assistant Professor:** Katherine Robiadek

The Department of Political Science offers Bachelor of Arts degrees in global studies, political science, and environmental science and policy. Environmental Science and Policy is offered jointly with the Department of Biology.

### Undergraduate Programs Offered:

- Political Science Major (B.A.) (p. 83)
- Global Studies Major (B.A.) (p. 76)
- Dual Degree Program - Global Studies, B.A./Business Administration, MBA (p. 64)
- Environmental Science and Policy Major (B.A.), Environmental Policy concentration (p. 94)
- Political Science Minor (p. 97)
- Global Studies Minor (p. 94)
- Nonprofit and Civic Engagement Studies Minor (p. 96)

## PSYCHOLOGY AND COUNSELING DEPARTMENT

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**Professors:** Ingrid Ferreras, Shannon Kundery (chair)

**Professor Emerita:** Linda Scott

**Associate Professors:** Diane Graves, Terry Martin

**Associate Professor Emerita:** Wanda Ruffin

**Assistant Professors:** Andrew Campbell, Shannon Kakkar, Molly Moreland, Megan Shaine, Atiya Smith

At the undergraduate level, the Department of Psychology and Counseling offers a B.A. degree in Psychology, B.A. degree in Art Therapy, a minor in Psychology, and an interdisciplinary minor in Gerontology.

At the graduate level, the department offers an M.A. degree in Interdisciplinary Studies in Human Behavior, an M.S. degree in Counseling, and a graduate certificate in Thanatology. The Thanatology offerings prepare individuals for careers in research, administration, or service with the terminally ill and bereaved, as well as to provide education on death and dying. The Interdisciplinary Studies in Human Behavior degree provides an interdisciplinary approach to the study of human experience and complexity and the problems of the world we live in. Designed to meet Maryland licensure requirements, the Counseling degree provides training in clinical mental health counseling or school counseling, with an additional, optional emphasis in thanatology. Counselors work in primary and secondary schools, community mental health programs, hospitals, substance abuse clinics, at-risk youth programs, social services agencies, and private counseling practices. The faculty's areas of expertise are in clinical psychology,

biopsychology, cognitive psychology, counseling, developmental psychology, history of psychology, and thanatology.

### Undergraduate Programs Offered:

- Art Therapy Major (B.A.) (p. 59)
- Psychology Major (B.A.) (p. 84)
- 4Plus Dual Degree (B.A./M.S.) Program in Psychology and Counseling (p. 85)
- Gerontology Minor (p. 94)
- Psychology Minor (p. 97)

### Graduate Programs Offered:

- Counseling (M.S.) (p. 210)
- Interdisciplinary Studies in Human Behavior, M.A. (p. 221)
- Thanatology, Certificate (p. 232)

## SOCIOLOGY AND SOCIAL WORK DEPARTMENT

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**Professor Emerita:** Roger, Reitman, Lynda Sowbel, Kerry Strand

**Associate Professors:** Laura Moore (chair), Jolene Sanders

**Associate Professor Emerita:** Shannon E. Griffiths

**Assistant Professors:** Michelle Gricus, Catherine Breneman, Simone Kolysh

The department offers two majors—sociology and social work—and minors in sociology, criminology and delinquency, pre-professional practice in social work and social science research.

### Undergraduate Programs Offered:

- Sociology Major (B.A.) (p. 86)
- Dual Degree Program - Sociology, B.A./Business Administration, MBA (p. 64)
- Social Work Major (B.A.) (p. 85)
- Criminology and Delinquency Minor (p. 92)
- Pre-professional Practice in Social Work Minor (p. 98)
- Social Science Research Minor (p. 98)
- Sociology Minor (p. 98)

# UNDERGRADUATE STUDIES

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## UNDERGRADUATE ADMISSION TO HOOD

Admission to Hood College is competitive and is offered to students who have outstanding academic credentials and personal characteristics indicating they will contribute to the diversity and richness of the campus.

Applicants are selected on the strength of their academic record, character and leadership potential and co-curricular activities. Applicants should note that all documents submitted as part of the admission process become property of Hood College and will not be returned.

### UNDERGRADUATE ADMISSION OPTIONS

Hood offers four different avenues for undergraduate admission:

**First-year admission** —intended for students who are in secondary school, or who have graduated recently from high school and have never enrolled at another college;

**Transfer admission** —intended for students who have graduated from secondary school and have matriculated at another college or university;

**International admission** —intended for students who are not citizens of the United States and have graduated from secondary school or are looking to transfer from another college or university;

**Dual Enrollment** —a program for exceptional high school juniors and seniors that allows them to take college courses for credit while in high school.

### Campus Visits

Campus visits are encouraged for all prospective students. The undergraduate Admission Office schedules appointments for interviews and campus tours, and also hosts numerous campus visit programs throughout the year. Campus visits may be arranged online or by contacting the Office of Admission.

hood.edu/visit

Toll-free: 800-922-1599

Telephone: 301-696-3400

Fax: 301-696-3819

Email: admission@hood.edu

### First-Year Students—Applying for Admission

Hood College requires the following items as part of the first-year application process:

- A completed application for admission. The application is available online at hood.edu/apply or commonapp.org.
- Official high school transcript, sent directly from the high school to the Office of Admission.
- An essay. Topics are listed on the application for admission.

In some cases, the Office of Admission may request additional supporting information in order to reach a final admission decision.

All applicants for first-year student admission are expected to have completed a full college preparatory curriculum, including the following:

- 4 credits of English

- 3 credits of mathematics, 4 credits preferred (including at least Algebra I and II and geometry)
- 3 credits of laboratory or natural science
- 3 credits of social science
- 2 credits of the same foreign language
- one academic elective

For information regarding International Baccalaureate, Advanced Placement, credit by examination and transfer credit policies, please see *Undergraduate Academic Policies*. (p. 44)

### Home-Schooled Students—Applying for Admission

Hood College recognizes that a growing number of students and families may choose a home-schooling alternative in place of a traditional secondary school experience. In order to accurately assess a home-schooled applicant's likelihood of success at Hood, we may require several forms of documentation in addition to the usual application materials.

Applicants for admission to Hood College who have completed some or all of their secondary education in a home-schooling environment will be required to submit the following:

- A transcript or proof of school completion by the state's Department of Education or local school district. Specifically include an official document that attests that the home-schooled education meets the equivalency to what is taught in the high school district. This documentation may be provided by the state Department of Education (if provided by that state), the home-school liaison within the student's school district, or from a school official in the high school district.

The home-school transcript should include:

- Student and school information
- Courses completed (including course title, final grade, and credit earned)
- Academic summary (including total credits and cumulative grade point average)
- The graduation date
- A grading scale
- Self-certification, signature, and date completed by authorized administrator, home-school instructor, parent, or guardian.

Our home-school review process is designed to recognize the unique experience of a home education while ensuring preparation for academic success at Hood College. Because we recognize that some home-school programs may not follow a traditional high school curriculum, we individually evaluate each of our applicants and offer several opportunities to provide information. As such, we recommend a personal interview with an admission counselor for best consideration.

Many admitted home-schooled students have taken advanced classes outside the home-school environment such as dual enrollment courses at a local college. If college courses have been completed or are in progress,

the college transcript should be sent to us along with the home-school high school transcript.

If the student does not have a high school diploma or has not completed high school, we will require the results of an official GED examination. The College must be able to certify that all degree-seeking students hold a high school diploma or its equivalent.

## Transfer with Ease

Hood welcomes transfer students at every stage of their academic and professional lives. Our transfer agreements with other colleges help ease the admission process and guide students in their efforts to take appropriate courses prior to transferring to Hood. Students transferring to Hood from a community college are encouraged to enroll in classes that meet requirements for an Associate of Arts, Associate of Science, or an Associate of Arts in Teaching degree.

Community college students are urged to consult their transfer counselor concerning transfer agreement and course equivalencies or contact the Hood College Office of Admission.

The registrar evaluates prior college coursework after the point of admission for applicability to degree requirements at Hood College. Credit is generally awarded for courses that are clearly applicable to a baccalaureate degree and for which the student earned a grade of C- or above. Courses that are clearly vocational or occupational in nature will not be accepted as credit toward the baccalaureate degree. A maximum of 62 credits may be awarded for freshman and sophomore level work completed elsewhere. Although there is no limit for junior and senior level coursework, students will be awarded no more than a total of 94 credits for all college-level work completed.

For detailed information on transfer credit policies, see *Undergraduate Academic Policies, Transfer Policy* (p. 52).

## Transfer Students—Applying for Admission

Students who have an enrollment record at any post-secondary institution after their graduation from high school are considered transfer students and should use the transfer application. Any student with a college GPA and more than 23 transferable credits at the time of application will be evaluated primarily on the basis of their prior college record. Transfer students should submit the following materials for consideration:

- A completed Hood College transfer application. The application can be found at [www.hood.edu/apply](http://www.hood.edu/apply).
- An essay. Topics are listed on the application for admission.
- Official college transcript(s), sent directly from the college or university registrar to the Office of Admission.
- If you have been placed on probation, suspended, received disciplinary action or been dismissed from a college or university, you may be required to submit the College/University Report for Transfer Students, completed by the academic advisor, registrar or dean of students at your most recently-attended institution.

Completed College Credits	Type of Application	Required Materials
24 +	Transfer	Official transcripts from all colleges attended
0-23	Transfer	Official transcripts from all colleges attended, official high school transcript

## International Students—Applying for Admission

Application deadlines for all international students: Fall Semester- June 15, Spring Semester- November 15

International students, whether in the United States or abroad, may apply for admission as a first-year student or transfer student. International applicants are encouraged to submit their applications online.

**International first-year student applicants must** have completed their secondary education or plan to complete it by the semester prior to enrollment. Applications that include all of the materials listed below will be reviewed for admission:

- A completed Hood College application ([hood.edu/apply](http://hood.edu/apply)). Please remember to include an email address with your application to help make future communication easier.
- An essay. Topics are listed on the application for admission.
- Official secondary school (high school) transcript. International transcripts will only be accepted for consideration at Hood College if they have been translated and evaluated by a professional organization. We require a course- by-course evaluation. Please visit World Education Services, Inc. ([wes.org](http://wes.org)) or <https://www.hood.edu/admission-aid/undergraduate-international-students/undergraduate-international-admission> for more information.
- Official test scores from one of the following: TOEFL, IELTS, SAT or ACT. TOEFL minimum score of 79-80 internet based/550 paper based/213 computer based or IELTS minimum score of 6.5. TOEFL and IELTS are the preferred tests for students from non-English speaking nations. Students with scores below these numbers may also apply, but will need to demonstrate appropriate mastery of the English language.
- Financial Information:
  - If applying for an F-1 visa, you must provide certification of financial support including the Affidavit of Support form.
  - If applying as a student under an immigration status other than permanent resident, please contact the Admission Office for details about which materials you may be required to submit.
  - A student may choose to use the College Board International Student Financial Aid Application and International Student Certification of Finances form to explain their financial situation, as long as they also submit supporting documents such as bank statements.

Optional information:

- While not required, an additional essay on a topic of your choice and recommendation(s) from academic instructor(s) about your performance and ability will facilitate the admission decision.

## International Transfer Applicants

Applications that include all of the materials listed below will be reviewed for admission:

- A completed Hood College application ([www.hood.edu/apply](http://www.hood.edu/apply)).
- An essay. Topics are listed on the application for admission.
- Official copies of all college/university transcripts. International transcripts will only be accepted for consideration at Hood College if they have been translated and evaluated by a professional organization. We require a course-by-course evaluation. Please visit World Education Services, Inc. ([www.wes.org](http://www.wes.org)) or the Undergraduate International Admission website for more information.

The following documents are required if you have fewer than 24 transferable college credits or if the language of instruction for all courses is in a language other than English:

- Official secondary school (high school) transcript and secondary school report form. International transcripts will only be accepted for consideration at Hood College if they have been translated and evaluated by a professional organization. We require a course-by-course evaluation. Please visit World Education Services, Inc. ([www.wes.org](http://www.wes.org)) or the Undergraduate International Admission website for more information.
- Official TOEFL, IELTS, SAT or ACT. TOEFL minimum score of 79-80 Internet based/550 paper based/213 computer based or IELTS minimum score of 6.5. TOEFL or IELTS are the preferred tests for students from non-English speaking nations. Students with scores below these numbers may also apply.

Financial Information:

- If applying for an F-1 visa, provide certification of financial support including the Affidavit of Support form.
- If applying as a student under an immigration status other than permanent resident, please contact the Admission Office for details about which materials you may be required to submit.
- A student may choose to use the College Board International Student Financial Aid Application and International Student Certification of Finances form to explain their financial situation, as long as they also submit supporting documents such as bank statements.

Optional information:

- While not required, an additional essay on a topic of your choice and recommendation(s) from academic instructor(s) about your performance and ability will facilitate the admission decision.

## Dual Enrollment

The dual enrollment program allows exceptional high school juniors and seniors to get a head start on the college academic experience, earning college credits while in high school. The program is designed to help students become familiar with academic work at the college level and have the opportunity to interact with College faculty. Depending on their high school schedule, students typically take 1-3 classes per semester. A maximum of 18 credits may be earned through the program. Dual enrollment students may not exceed 11 credits in any given semester. Enrollment is on a space available basis.

Students may enroll in the fall, spring or summer semesters and have the opportunity to discuss academic goals and post-secondary options with a Hood College academic adviser. Most classes at the 100- and 200-level are open to dual enrollment students; they may enroll in 300-level courses

when the prerequisites have been met or with permission of the instructor. Dual enrollment students pay a reduced tuition rate of \$175 per credit and are responsible for additional fees (lab, music practice rooms, parking permit), required course material and books.

### Dual Enrollment Admission Requirements:

- Currently enrolled as a high school junior or senior.
- Have a cumulative unweighted grade point average of 3.50 or greater in a college preparatory, honors, Advanced Placement or International Baccalaureate curriculum.

### Dual Enrollment applicants will be required to:

- Complete a dual enrollment application form.
- Submit an official high school transcript.
- Submit a letter of recommendation from high school counselor or principal.
- Submit a letter of approval to participate from parent or guardian.

Students interested in the dual enrollment program must apply through the admission office; for information contact 301-696-3400, [admission@hood.edu](mailto:admission@hood.edu).

Complete and submit the application by: fall semester – August 1; spring semester – December 15

## Application Deadlines and Reply Dates

Hood College reviews applications on a rolling basis, typically releasing decisions no less than three weeks after receipt of a completed application file. There are some differences noted below based on the type of student making application.

### First-Year Students

- The first round of fall admission decisions will be mailed mid-October.
- Rolling admission until priority deadline of March 1.
- Rolling admission after March 1 on a space available basis.

### Nursing Program Applicants:

- Round one - deadline is December 1. Notification is December 15. Applicants not offered admission to the nursing program during round one will automatically be considered during round two.
- Round two - deadline is March 1. Notification is March 15.

### Transfer Students

- Spring semester deadline is November 1. Rolling admission will continue until classes begin in January.
- Fall semester deadline is April 1. Rolling admission will continue until classes begin in August.

### International Students

- Spring semester deadline is November 15 (classes begin in January).
- Fall semester deadline is June 15 (classes begin in August).

## Enrollment Deposit

To confirm enrollment at Hood, all new undergraduate students are required to pay a one-time enrollment deposit. The enrollment deposit is \$350; 100 percent of the deposit is applied to tuition, housing and fees. The enrollment deposit is not refundable.

## Equal Access for Students with Disabilities

Hood College actively supports the rights of students with disabilities to have equal access to education. In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of

1990, Hood makes every reasonable effort to accommodate the needs of students with disabilities.

In order to receive appropriate advice and accommodations, students who have a disability must notify The Josephine Steiner Student Success Center as soon as possible. Early notification prevents delay in initiation of services and ensures the student full access to educational activities. The director of accessibility services, in consultation with the student, prepares a plan for services and forwards authorization for specified services (such as note-taking, interpreting, special housing) to the appropriate offices on campus.

## UNDERGRADUATE TUITION AND FINANCIAL AID

### COSTS

#### Tuition, Fees and Other Charges for the 20-21 Academic Year

Refer to Tuition and Fees at [www.hood.edu/accounting](http://www.hood.edu/accounting) for future pricing information.

All fees listed are per semester.

<b>FULL-TIME UNDERGRADUATE</b>	<b>RESIDENT</b>	<b>COMMUTER</b>
Tuition - 12 to 18.5 credit hours	\$ 20,840	\$ 20,840
Room - Shared	\$ 3,300	
Room - Single	\$ 3,815	
Room - Semi Suite	\$4,200	
Room - Suite	\$4,500	
Board - All access meal plan	\$3,205	
Board - 10-meal plan	\$2,875	
Board - Commuter & off-campus resident meal plan		\$885
Comprehensive Fee	\$ 310	\$310
<b>PART-TIME UNDERGRADUATE</b>		
Tuition per credit hour	\$1,215	
Audit Fee per credit hour	\$585	
Comprehensive fee per semester- Fall, Spring	\$200	
Dual Enrollment	\$185 per credit	
Renewal Not Retirement (RNR) - per class	\$ 100	

Payment of tuition, fees and other charges is due by August 15 for the fall semester and by January 15 for the spring semester and by the first day of class for the summer terms. Students registering after the deadline must make payment at the time of registration. Students may pay their tuition using the Monthly Payment Plan. Information on this option can be found at [www.hood.edu/paymentplan](http://www.hood.edu/paymentplan) or by calling the accounting office at 301-696-3609 or by sending an email to [accounting@hood.edu](mailto:accounting@hood.edu)

### Referral to Collection Agency

By registering for classes, the student agrees that in the event the student becomes delinquent or defaults in paying charges due to Hood College, the student agrees to reimburse Hood College the fees of any collection agency, which may be based on a percentage at a maximum of 33 1/3 percent of the debt, and all cost and expenses, including reasonable attorney’s fees, Hood College incurs in such collection efforts.

### WITHDRAWAL FROM THE COLLEGE AND REFUND POLICY

#### Fall and Spring Semesters

Students who withdraw from Hood will have their fall and spring semester charges adjusted according to the schedule below:

<b>If a student withdraws from the College:</b>	<b>Tuition</b>	<b>Board</b>
Prior to beginning of the semester	100 percent	100 percent
Within the 14 calendar days from the first day of the semester	80 percent	pro rata weekly

*(See the current College calendar (p. 4) for the actual dates.)*

There are no refunds of the room fee after the first day of classes. There are no refunds of tuition after the end of the drop-add period. Refunds of the board fee are continued on a pro rata weekly basis throughout the semester. There are no refunds of any fees (comprehensive, academic records, course audit or student teaching) once the semester has begun. This refund policy applies to students who withdraw from the College and to those who take a leave-of-absence during the semester.

Withdrawal refunds are determined by the effective date noted on the Change of Status or Leave of Absence Form filed with the registrar’s Office for undergraduate students and the written withdrawal files with the Graduate Office for graduate students.

The Office of Financial Aid is required to recalculate federal financial aid eligibility for students who withdraw. Up through 60 percent of the semester, a pro rata schedule is used to determine how much federal aid a student has earned at the time of withdrawal. The portion of unearned aid must be returned to the federal programs. When unearned aid is returned, a student may owe the College additional funds.

### Summer Terms

<b>One-week and two-week terms</b>	<b>Tuition</b>
Prior to first meeting of class	100 percent
Within the first 2 days from the first day of the term	80 percent
3rd day and thereafter	no refund
<b>Three-week and four-week terms</b>	

Prior to first meeting of class	100 percent
Within the first 4 days from the first day of the term	80 percent
5th day and thereafter	no refund
<b>Five-week and six-week terms</b>	
Prior to first meeting of class	100 percent
Within the first 7 calendar days from the first day of the term	80 percent
8th calendar day and thereafter	no refund

## GENERAL INFORMATION ON FINANCIAL AID PROGRAMS

The Office of Financial Aid, located on the third floor of the Joseph Henry Apple Academic Resource Center, administers federal, state, and institutional financial aid programs. Our office understands financing higher education is an important part of the college experience. We offer personalized assistance to students and families to complete the necessary steps to apply for financial aid.

Hood College offers the following types of assistance: scholarships, grants, loans, and part-time employment (work-study).

- Scholarships are gift aid and no repayment is required
- Grants are gift aid and typically no repayment is required
- Loans are funds that are borrowed and must be repaid
- Work-study is a paycheck based on hours worked

The Office of Financial Aid determines the types and amount of aid students may receive by evaluating the student's financial need and availability of funds. Awards may be made on a first-come, first-served basis to eligible students. Our office highly recommends filing the Free Application for Federal Student Aid (FAFSA) as it is required for most types of aid. By not filing the FAFSA, students are ineligible for need-based aid, federal loans, federal work-study, and most types of state aid.

### Financial Award Package

The Office of Financial Aid creates financial award packages for eligible students. Each student's financial situation is different, so each package is unique. An award package will include one or more types of financial aid. The most common types include scholarships, grants, loans and work-study.

Students who qualify for financial aid will be sent an award notification by mail or email. New students are sent an award notification after acceptance to the college. Continuing students will receive their award notifications by email beginning in May prior to the fall semester. To prevent delays in awarding of financial aid, submit all required documentation as requested by the Office of Financial Aid in a timely manner. Check Self-Service for any requested information from our office. All financial aid forms are located on the Financial Aid page of the Hood College website as well as in the office.

### Financial Need

All need-based awards require the student to be degree-seeking, demonstrate financial need and maintain satisfactory academic progress (SAP). The number of credit hours enrolled also affects the types and amount of need-based aid awarded.

To determine a student's financial need, the student must complete the FAFSA. Need for financial aid is determined by the following calculation:

$$COA - EFC = \text{Need}$$

COA (Cost of Attendance) is the total price of attending college. The COA consists of direct and indirect costs. Direct costs are what is paid directly to the college (such as tuition and fees; as well as room and meals if living on-campus). Indirect costs are expenses not paid directly to the college (such as books and supplies, transportation, and personal expenses).

The EFC (Expected Family Contribution) is a formula calculated by the U.S. Department of Education upon completion of the FAFSA. Factors taken into consideration include, but are not limited to family size, number of students in college, income, and assets. For more information visit <https://studentaid.ed.gov/sa/>.

Students may begin filing the FAFSA October 1 for the following academic year, (this may be completed online or through the myStudentAid app). Students should list Hood College (school code 002076) on the FAFSA. The FAFSA must be submitted by our priority date of March 1 to be considered for fall types of need-based aid.

### Institutional Aid

Institutional aid (scholarships, grants, and awards) helps bridge the gap between a student's (family) resources and the direct costs assessed by Hood College. Institutional funds are available due to the generosity of alumni, foundations, individuals and other organizations. There are limited resources and Hood College reserves the right to make adjustments at any time.

Institutional aid is only awarded to students pursuing their first baccalaureate degree. Students must be enrolled full-time (12 or more credit hours per semester), unless specified by the donor that funds may be awarded to a part-time student(s). Institutional aid may not be used for summer courses. The maximum time-frame to receive institutional aid is eight semesters for first-time freshman and determined on a case-by-case basis for transfer students. To receive financial assistance beyond the maximum time-frame, an appeal must be approved by the Office of Financial Aid.

### Merit Scholarships

Hood College has developed an extensive merit scholarship program that recognizes the achievement, talent and potential of students. Awards are based upon the student's achievement in the classroom, ability to think analytically, talent and creativity within areas of interest and the potential to be successful at Hood College.

All students applying for admission will be considered for merit scholarships. No special application is required. Students will be informed of their eligibility upon acceptance to Hood College.

From time to time, an individual student-applicant may qualify for consideration in more than one scholarship category. In such a case, the highest scholarship amount will take precedence in Hood's awarding process. All are limited up to eight semesters. Students are notified of yearly renewal criteria, including minimum grade point average, upon receipt of their financial award notification.

**Founders Scholarship** - awarded to incoming full-time first-year and new transfer students who have the highest academic profiles and have

shown leadership in school and community activities. The amount is 50 percent of tuition.

**Trailblazer Scholarship** - awarded to incoming full-time first-year and new transfer students with strong records of academic performance and extracurricular involvement. The amount is 33 percent of tuition.

**Recognition Award** - awarded to incoming full-time, first-year and new transfer students who have the potential to succeed academically and have demonstrated leadership, commitment to community service and/or demonstrated talent. The amount is 25 percent of tuition.

**Opportunity Award** - awarded to incoming full-time, first-year and transfer students who have demonstrated academic achievement. The amount is \$10,000.

### Chair of the Board Scholarship

This highly prestigious scholarship provides four new full-tuition awards to academically superior students in each entering class (full-time, first-year freshman). To be considered for this scholarship, candidates will be invited to attend Scholars' Day, which will include a scholarship interview.

### Hodson Beneficial Financial Grant

Children of former Beneficial employees with two or more years of full-time service with Beneficial Corporation and its subsidiaries are potential candidates for these full-tuition scholarships (must be enrolled full time).

### Stackable Awards

**BOA Leadership** - awarded to incoming full-time first-year students who demonstrate outstanding leadership. Amount varies.

**Family Discount** - awarded when two or more members of the same family are enrolled. The award amount is \$2,000 and awarded to the second member of the family (must be an undergraduate student). Family is defined as parent, dependent child, and/or dependent child's sibling. Both members of the family must be enrolled full-time.

**Hodson- Gilliam Scholarship** - awarded to incoming full-time first-year and new transfer students from ethnic backgrounds traditionally underrepresented in higher education. Applicants must have demonstrated high academic achievement. Amount varies.

**Honors** - awarded to full-time, first year and first-time transfer students who have been admitted to the Honors Program. Amount is \$2,000.

**Legacy** - awarded to full-time, first year and first-time transfer students whose parent, sibling or grandparent received a Hood bachelor's or master's degree. Amount is \$1,000.

**Phi Theta Kappa Scholarship** - awarded to incoming full-time transfer students who are Phi Theta Kappa members and have earned an A.A. or A.S. degree. Must be a Phi Theta Kappa member at the time of admission. Amount is \$2,000.

**Teacher Academy of Maryland Scholarship** - awarded to incoming full-time first-year education majors who have successfully fulfilled required criteria for TAM program completion. In addition to the monetary scholarship, three (3) credits will be awarded to fulfill EDUC 204, a prerequisite education course. Amount is \$3,000.

### Hood Grants

Awarded to full-time undergraduates who demonstrate financial need. Funding is limited. Students must be pursuing their first baccalaureate

degree. Hood Grants may be replaced with named funds. See "Endowed and Annual Funds" for a list of named funds.

## Financial Aid Programs

### Campus Employment

Awarded to students who are not eligible for federal work-study. Funded and administered by Hood College. Limited number of positions are available.

### Employee Educational Benefits

Tuition remission benefit. Please see staff manual for policy details and program rules.

### Federal Aid

To be eligible for federal aid programs students must be citizens, nationals of the United States, or permanent residents and have a valid FAFSA on file. All eligibility criteria are available at <https://studentaid.ed.gov/sa/>. Funding depends on federal approval and subject to change.

### Federal Supplemental Educational Opportunity Grant- FSEOG

Awarded to undergraduate students with the greatest demonstrated financial need. Students must be pursuing their first baccalaureate degree and be a Pell Grant recipient.

### Federal Work Study Program

This federally funded need-based employment program enables eligible undergraduate students to earn money for miscellaneous expenses while gaining practical experience in on- and off-campus jobs.

### Federal Direct Subsidized Loan

A need-based student loan program offered to undergraduate students. The interest rate is fixed. No interest accrues and generally no payments are due while a student is enrolled on at least a half-time basis. Repayment generally begins six months after the student's enrollment status drops below half-time. For more details visit <https://studentaid.ed.gov/sa/>. Federal Direct PLUS Loan

Parents may borrow a loan (if approved based on credit check) up to the cost of education, minus any financial aid received. The interest rate is fixed. Repayment of principal and interest begins when the loan is disbursed, however deferment options are available. For more details visit <https://studentaid.ed.gov/sa/>

### Federal Direct Unsubsidized Loan

A non-need-based student loan program offered to undergraduate students. The interest rate is fixed. The six-month deferment applies only to repayment on the principal. Interest accrues when the loan is disbursed. Students are sent quarterly interest statements by their Loan Servicer and may elect to pay the interest. For more details, visit <https://studentaid.ed.gov/sa/>.



**Federal Pell Grants**

Awarded to undergraduate students with demonstrated financial need. Prorated awards may be made to eligible part-time students. Students must be pursuing their first baccalaureate degree.

**Maryland State Scholarship Program**

The Maryland Higher Education Commission offers several need-based grants, scholarships, and loan repayment programs for Maryland residents. The scholarships and grants most frequently awarded to Hood students include, but are not limited to, the Howard P. Rawlings Educational Assistance Grant, the Howard P. Rawlings Guaranteed Access Grant, Senatorial Scholarships, and Delegate Scholarships. In order to be considered for Maryland State aid, students must file the FAFSA by March 1. In addition, some state scholarships may require a separate application. For more information regarding the State aid programs, please contact the Maryland Higher Education Commission-Office of Student Financial Assistance at 800-974-0203 or www.mhec.state.md.us.

**Veterans' Educational Benefits**

Hood College serves as a liaison/informational resource to veterans by providing Veterans Administration forms and certifying military students for benefits. Hood College Office of Financial Aid provides services to veterans and dependents of veterans eligible for education benefits. To initiate or continue benefits, veterans must contact the Office of Financial Aid, 301-696-3411, at the beginning of each semester to complete the required paperwork, in compliance with the policies and procedures established by the Office of Financial Aid and the Department of Veterans Affairs. Information and application forms may be obtained from the Office of Financial Aid or via the Hood College Financial Aid web page, under forms. Educational benefit programs include:

- Chapter 30, Montgomery GI Bill
- Chapter 31, Vocational Rehabilitation
- Chapter 33, Post-9/11 GI Bill [Forever GI Bill]
- Chapter 35, Survivors' and Dependents' Educational Assistance
- Chapter 1606, Selected Reserve

Hood College participates in the Department of Veterans Affairs Yellow Ribbon Program. The Yellow Ribbon GI Educational Enhancement Program (Yellow Ribbon Program) is a provision of the Post-9/11 Veterans Educational Assistance Act of 2008. Participating students remain in the Yellow Ribbon program throughout their enrollment at Hood College and remain eligible for Yellow Ribbon program scholarship as long as each of the following applies: Hood College continues to participate in the Yellow Ribbon Program, the students remain in good academic standing, and the students have remaining VA Educational Benefits entitlement.

For information on each of these programs, current payment rates, availability of benefits or approvals call the local Regional VA Office at 1-888-442-4551.

**Satisfactory Academic Progress Requirements for Financial Aid (SAP)**

**Process Overview and Responsibilities**

In accordance with the U.S. Department of Education, the Office of Financial Aid at Hood College monitors undergraduate and graduate students after the spring semester each academic year for successful completion of satisfactory academic progress (SAP) standards. For financial aid eligibility, terms are defined as fall, spring and summer. All students are measured on qualitative (grade-based) and quantitative (time-based) standards. Students who fail to meet SAP standards are not eligible for any financial aid unless an appeal is granted. Students are not limited to one appeal.

Programs affected by the SAP standards include: Federal Pell Grant, Federal Direct Loans (Subsidized and Unsubsidized), Federal Plus Loans, Federal SEOG, Federal Work Study, state grants and scholarships, and institutional scholarships.

**Qualitative Standards (Grade-based)**

Qualitative standards measure a student's quality of performance in terms of GPA, including basic skills courses (reading, writing, mathematics). Each semester a student must meet the following cumulative GPA standard:

Total Hours Attempted	Minimum GPA Requirement
1-25	1.50 GPA
26-38	1.60 GPA
39-50	1.70 GPA
51-63	1.90 GPA
64-124	2.00 GPA

In order to graduate, a student must have a minimum GPA of 2.0. If a student fails to meet the above GPA requirements, he/she will be suspended from financial aid but will have the opportunity to submit an appeal.

**Quantitative Standards (time-based also referred to as PACE)**

In order to maintain financial aid eligibility, the U.S. Department of Education requires a student to successfully complete 67 percent of the credits for which he/she attempted as shown in the example below:

Hood College Office of Financial Aid calculates the pace at which you are progressing in your SAP academic plan by dividing the cumulative number of credits you have successfully completed by the cumulative number of credits you have attempted. All periods of enrollment count when assessing quantitative standards, even periods in which the student did not receive financial aid.

$$\text{Pace} = \frac{\text{Cumulative number of credits that you have successfully completed}}{\text{Cumulative number of credits that you have attempted}}$$

Unsatisfactory grades of F, INC, AU, and U do not count as completed courses but will count as attempted credits. In addition, repeated coursework is counted as attempted hours for financial aid eligibility. Students can only receive financial aid for a passed course one additional time. If the student registers for a previously passed course the third time, the course is ineligible for financial aid. Students are eligible up to 30 attempted hours for basic skills courses (reading, writing, mathematics) which are not counted in the quantitative standards. If a student exceeds 30 attempted hours without successful completion, the student becomes

ineligible for financial aid and must pay for those courses prior to continuing at Hood College.

Transfer credits that count toward the student's current program count as attempted and completed for financial aid eligibility.

*Due to flexibility provided through the Coronavirus Aid, Relief, and Economic Security Act (CARES Act), attempted courses will be excluded from the qualitative component if the credits not completed was a result of the COVID-19 national emergency.*

#### **Quantitative Standards (maximum timeframe)**

Students must be making progress toward a degree. To quantify academic progress, Hood College must set a maximum timeframe in which you are expected to finish a program. A student must complete his/her program of study within 150% of the length of the program. If a student needs additional time to complete the degree, the student may submit an appeal for financial aid. Students at Hood College are expected to complete 124 credit hours to earn an undergraduate degree. Students are eligible to receive financial aid up to 186 attempted hours at Hood College (not including 30 credit hours for basic skills courses). If additional time is needed, students can submit an appeal to the Director of Financial Aid.

## **Financial Aid Suspension**

Students are placed on financial aid suspension if they do not meet one or both of the SAP standards. Hood College monitors SAP annually at the end of spring semester and students are notified accordingly. Students are not given a warning period since the process is monitored once per academic year. Students have the option to appeal for financial aid once they are on suspension.

## **Appeals Process**

Students on financial aid suspension may appeal in writing to the Director of Financial Aid. Appeals must be submitted by August 1 in order to review for the upcoming fall semester. Students must provide in writing the extenuating circumstance(s) why SAP was not made and submit any supporting documentation. The student must state how the situation has changed and what action will be taken in order to meet SAP standards at the next evaluation period (end of spring semester). If the appeal is for maximum timeframe, the Director of Financial Aid may request the student to submit an academic plan signed by his/her advisor. The Director of Financial Aid will notify the student if such documentation is needed for the appeal.

The Director of Financial Aid will review the appeal and notify the student in writing within ten business days of the decision. All decisions made by the Director of Financial Aid are final.

If the appeal is granted, students will be placed on financial aid probation for one semester and are expected to improve their SAP status by the end of the semester probation is granted. If, at that time, the student does not meet SAP standards, the student will be suspended from financial aid with no opportunity to appeal. If the student is successful, the student will be removed from probation and placed in good standing for financial aid eligibility. In order to be successful, the student must meet cumulative GPA standards and maintain a 67% cumulative passing rate. If the student is placed on academic plan and is following the plan, the student shall remain on probation until program completion and will be eligible for financial aid.

## **SCHOLARSHIPS AND AWARDS**

Endowed and annual scholarships are awarded according to the criteria of each scholarship.

### **Endowed Undergraduate Scholarships**

The Office of Financial Aid evaluates students on an annual basis for these scholarships. Students are evaluated based upon academic interest and academic progress. In order to be considered for an endowed scholarship, students must complete the Free Application for Federal Student Aid (FAFSA).

The Allegheny Power Scholarship

The Carol Lumb Allen '59 and Caroline Finkenbinder Lumb '30 Scholarship

The Martha Shortiss Allen '59 Scholarship Fund

The W.A. Lantz and the Bertha McCall, Class of 1906, Alumnae Scholarship

The Anderson Family Social Work Scholarship

The Marycatherine Anthony '74 Scholarship

The Sheila Seigal Asher '53 Scholarship

The Alice McCusker Barnard '23 Scholarship

The Mary Hendershot Bastian '50 Scholarship

The Mariana Main Beachley '36 Scholarship

The Sue and Ross Benitez Scholarship

The Mary Louise Hester Bennett '30 and Elizabeth Bennett Wiegand '60 Scholarship Fund

The Nettie C. Bentley '28 Music Scholarship

The Muriel Binder '33 and Mildred K. Binder '40 Scholarship

The Christine Moyer Bloom '22 Scholarship

The Board of Associates 50th Anniversary Endowed Fund for Student Scholarships

The Betty Bruce Borgerding '35 Scholarship Fund

The Frances Good Crilly Bowers '27 Music Scholarship Fund

The Olive L. Bowlin '19 Endowed Scholarship

The William H. Browning, Jr. Community Scholarship

Laura Eaton Butler '47 Scholarship

The Chug Scholarship

The Martha E. Church H'95 Scholarship Fund for International Students

The Walter and Eleanor Church Endowed Scholarship

The Rhea Robinson Claggett '36 and Mariamne Claggett Vickery '80 Scholarship

The Class of 1932 Scholarship

The Class of 1948 Endowed Scholarship

The Class of 1957 Endowed Scholarship

The Class of 1962 Endowed Scholarship

The Class of 1967 Memorial Scholarship

The Class of 1968 Diversity Scholarship

The Class of 1969 Scholarship

The Class of 1976 Endowed Scholarship

The Class of 1977 Scholarship

The Class of 1978 Scholarship

The Class of 1979 Scholarship

The Class of 1980 Scholarship

The Class of 1982 Scholarship

The Class of 1984 Endowed Scholarship

The Class of 1985 Scholarship

The M. Virginia Coblentz '33 Scholarship

The Ann Holler Cone '38 and Frances L. Fuller '39 Scholarship

- The Edison H. and Daphne B. Cramer Scholarship  
 The Father Alphonse Crispo Scholarship  
 The Virginia M. Crist Scholarship  
 The Katharine E. Cutshall '24 Scholarship  
 The Laura and Theodore Deforest Scholarship Fund  
 The Delaplaine Foundation Inc. Scholarship Fund  
 The Judge Edward S. Delaplaine Scholarship  
 The Robert E. and Ruth M. Delaplaine Scholarship  
 The William T. and Janie Quynn Delaplaine Scholarship  
 The Dona Ditty Memorial Scholarship  
 The Ann Marie Roulette Downey '77 Early Childhood Education Scholarship\*  
 The Carolyn Embree Drake '66 Scholarship\*  
 The J. William and Sarah Thomas Drenning '49 Scholarship\*  
 The Nancy Hill Drew '58 Scholarship\*  
 The Dyer Work Award  
 The Elfin-Kawecki Scholarship Fund  
 The F. Virginia Ellis '39 Scholarship Fund  
 The Helen Kirk Deputy Ellis '27 and Mary Ellen Deputy Fowler '33 Foreign Language Scholarship Fund  
 The Esselen Family Scholarship Fund  
 The Evangelical and Reformed Church Scholarships  
 The Sally Conrad Fauntleroy Scholarship (In Expression)  
 The Karen Louise Fisher '77 Scholarship  
 The Stella Elizabeth Ziegler Foley '28 and Marylouise Hermann Foley '64 Scholarship Fund  
 The Jennifer Frantz '97 Scholarship Fund  
 The Frederick Female Seminary Scholarship  
 The Margaret R. Geiser Memorial Scholarship Fund  
 The General Endowed Scholarship  
 The Giles Scholarship  
 The M. Fredrica Godshalk, M.D. '65 Scholarship Fund\*  
 The Griesemer Scholarship  
 The Gloria M. Grossnickle Scholarship Fund  
 The Ann Coulter Hancock '40 Scholarship Fund  
 The Julia Etchison Hanna '19 Scholarship  
 The Anne Keet Hanson '34 Scholarship  
 The Virginia Shaver Harshman '41 Scholarship Fund  
 The William Randolph Hearst Endowed Scholarship  
 The Lizzie S. Heckle Scholarship  
 The Albert & Ethel Herzstein Scholarship in recognition of President Ronald J. Volpe  
 The Carol Schulthess Hires '68 Scholarship  
 The M. Beth Costello Hobby '67 Scholarship  
 The Hodson Foundation Scholarship  
 The Hodson Trust Academic Excellence Scholarship  
 The Hodson-Gilliam Scholarship  
 The Nettie McCardell Hoffmeier Scholarship  
 The H.G. and Lula K. Hoke 1906 Scholarship  
 The Arlene Utz Hollinger '37 Scholarship  
 The Carolyn Tillou Holran '60 Scholarship  
 The Hood College Fathers' Club Scholarship  
 The J. Harold Hooper Scholarship  
 The Sharon I. Hooper '58 Scholarship  
 The Nancy Hoskins Houston '51 Scholarship  
 The Judith M. Howe and Jane B. Olsen Scholarship\*  
 The Richard Hudnut Scholarship  
 The Josephine Thompson Hunger '40 Scholarship  
 The Huttle Scholarship  
 The Janice R. Hulen '78 Memorial Scholarship  
 The Mary Rife James '70 English Scholarship\*  
 The Mary Rife James '70 Nursing Scholarship\*  
 The Lynne Reagan Johnson '65 Memorial Scholarship  
 The Dorothy Richardson Jones '31 Scholarship Fund  
 The Dean Mary Frear Keeler Scholarship  
 The Miriam W. Kelly '34 Scholarship  
 The Joan Kempthorne '54 Scholarship  
 The Carrie M. Kerschner Memorial Scholarship  
 The Drs. Klisch and Simonsen Scholarship  
 The Christine Lundt Lambertus '69 Scholarship\*  
 The John N. Land Scholarship Fund  
 The Elizabeth Ruth Langert '38 Scholarship  
 The Louis A. Langie Jr. and Sally Weaver Langie '51 Scholarship  
 The Latrobe-Westmoreland County, Pennsylvania Scholarship  
 The Charles A. and Helen Titzel Lauffer Scholarship  
 The Lillian Zeigler Lavetan '18 Scholarships  
 The Adele Edmunds Levering '14 Scholarship  
 The Frederick Weir Levering Scholarship  
 The Margaret Loudon Lewis Scholarship  
 The Bert S. and Mary H. Lewis Memorial Scholarship  
 The Charles J. Little Scholarship  
 The Arthur H. Long, Sr. and Lois Long Harley '45 Family Scholarship  
 The Lonza Bioscience Scholarship  
 The Janet B. Loudon Scholarship Fund  
 The Mary and Daniel Loughran Scholarship  
 The Lowe-Bitler Scholarship  
 The Evelyn Barrick Mahoney '34 Scholarship  
 The William Markow Music Scholarship Fund at Hood College  
 The Esther Taylor Marshall '35 Scholarship Fund  
 The Timothy S. May Scholarship  
 The Susan McAlpine '47 and Margaret McAlpine '46 Scholarship  
 The William A. McCarty, Jr. and Elinor F. Herndon McCarty '60 Scholarship  
 The McCullagh McCutcheon Scholarship Fund  
 The McCurdy Scholarship  
 The Paul F. Mehl Memorial Scholarship  
 The John D. Meyer Scholarship  
 The Joyce Michaud Endowed Scholarship\*  
 The Middendorf Foundation Endowed Scholarship in Nursing  
 The Nettie Morton Miller Scholarship\*  
 The Lorie Harris Morrell '84 Scholarship  
 The Morrow Scholarship Endowment  
 The Margaret J. and John C. Motter Scholarship  
 The Mullison Scholarship Fund  
 The Kathleen A. and Charles F. Murphy Scholarship  
 The Margaret S. Neely Hood Scholarship  
 The Wayne C. Neely Hood Scholarship  
 The Eleanor MacMillan Nelson '32 Scholarship  
 The Elisabeth Farber Neubauer '45 Scholarship  
 The New York Times Scholarship  
 The Charles and Kathryn Nicodemus Scholarship Fund  
 The Kathryn Zimmerman Nicodemus H'05 Music Scholarship  
 The Stephanie Lundy Normann '56 Scholarship  
 The Ines M. Oertel '96 and Carsten Oertel Scholarship\*

The J. Edward and Jessie Spielman Omwake Scholarship  
 The George W. and Edith Osmun '18 Scholarship  
 The J. Elyse Pade '54 Scholarship  
 The Elizabeth Walton Paiste '32 and Ethel Hobson Auf Der Heyde '32 Scholarship Fund  
 The Audrey Field Parrott Endowment for the Language Arts\*  
 The Benjamine Cawley Parrott Endowment for the Sciences\*  
 The Nancy Freeman Patterson '53 Scholarship Fund  
 The Elizabeth Peters - Barbara Michaels Scholarship Fund  
 The Shirley D. Peterson Scholarship Fund  
 The Beryl Pfizer '49 Scholarship Fund for Theatre Minors  
 The Margaret Jones Pollack '49 Scholarship  
 The Sylvia F. Porter H'58 Scholarship  
 The Octavia M. Power '30 Endowed Scholarship  
 The Dorothy E. Pugh '58 Scholarship  
 The James B. Ranck Memorial Scholarship  
 The Philip S. Renaud II M.S. '83 Scholarship\*  
 The Nora Roberts Foundation Scholarship  
 The Andy Rooney Scholarship in Writing  
 The Harry A. Rosenfeld Scholarship  
 The Charlotte Snyder Rupner '18 Scholarship  
 The Margaret Russell '42 Scholarship  
 The Gretchen Howe Russo '63 Scholarship\*  
 The Patricia Feiser Sanner '38 Science Scholarship Fund  
 The Myrtle Annis Scott Scholarship  
 The Kimberly Ann Servedio '99 Memorial Scholarship  
 The Elizabeth Ann Seton Education Scholarship  
 The Helen Burton Shelton '40 Scholarship  
 The Kozo and Martha Hearn Shimano '86 Scholarship Fund  
 The Lori A. G. Shipley '97 Endowed Scholarship Fund  
 The Alfred P. and Patricia A. Shockley Scholarship  
 The Alice Smith '33 Scholarship  
 The M.E. Smith Scholarship  
 The Ruth Yost Snyder '36 and Lehman J. Snyder Scholarship  
 The Dr. and Mrs. Alexander Solosko Scholarship  
 The John G. and Beulah Munshower Sommer '44 Computer Scholarship  
 The Lorene Myers Southworth '48 Scholarship  
 The William H. Sprigg Applied Music Scholarship  
 The Henry I. Stahr Scholarship  
 The Glenna May and John Hedges Staley Scholarship  
 The Eleanor C. Stanley and Kenneth N. Stanley Scholarship Fund  
 The Frances Steckel Music Scholarship  
 The Virginia Geddert Stone '40 Scholarship  
 The Louise Kling Tefft '37 Scholarship Fund  
 The Helen Kelly Terwilliger '27 and Edith M. Kelly Terwilliger Scholarship  
 The Clyde E. and Julia E. Thomas '14 Scholarship  
 The G. Frank Thomas Foundation Scholarship  
 The Mr. and Mrs. Jacob L. Thomas and Mr. and Mrs. Charles L. Mullen Scholarship  
 The Dr. William H. Thomas and Bradley Barrick Thomas '41 Scholarship  
 The Honorable John H. and Donna Tisdale Scholarship for Nursing  
 The Mary Frances Gaver Trunk '64 and Charles F. Trunk III Endowed Scholarship Fund  
 The Andrew G. Truxal Scholarship in Sociology Fund  
 The Van Wert Scholarship Fund  
 The Mr. and Mrs. William H. Vanderford Scholarship  
 The L. Marie VanHise '49 Scholarship

The Pearl Walker '32 Scholarship in Mathematics  
 The Oliver C. and Carrie E. Warehime and the Alexander D. and Dorothy Warehime Lewis '17 Scholarship  
 The Louise A. Weagly '30 Scholarship Fund  
 The Wehler Family Scholarship  
 The Sarah Patton Weinberger '32 Scholarship  
 The Philip and Janis Miller Wertheimer '29 Scholarship Fund  
 The Dr. Olivia G. White Scholarship Fund  
 The Olive Wagner Wilt '26 Memorial Scholarship  
 The Women's Guild Scholarship  
 The Nora E. Yost '17 Scholarship  
 The Marlene B. Grossnickle Young '76, H'14, P'09 Scholarship  
 The W. Meredith and Helen Brown Young '35 Scholarship  
 \* *Not currently available for award*

## Annual Undergraduate Scholarships

The H.K. Alwine Scholarship  
 The Barnes & Noble Textbook Scholarship  
 The Dr. Regena C. Beck '17 Scholarship  
 The Board of Associates Leadership Fund  
 The Boyd Foundation Scholarship  
 The Chair of the Board Scholarships  
 The Alden E. and Harriet K. Fisher Scholarship  
 The Stuart A. Freudberg Scholarship  
 The Ardine and Phyllis Gorden Applied Music Scholarship  
 The Hood College Ring Scholarship  
 The Roy Jorgensen Associates, Inc. Annual Scholarship  
 The Hilda C. Landers Scholarship  
 The Loats Foundation Scholarships  
 The Stephen T. Mahaffey '15 and Naomi Parker Ballard '49 Scholarship\*  
 The Maryland Society for Disabled Children and Adults Scholarship  
 The McCardell Family Scholarship Fund  
 The William Edward and Mary Cockram Morse '64 Scholarship  
 The Col. Jim and Sarah Olson Sustainability Scholarship\*  
 The Fred Schenkel Scholarship Fund  
 The George L. Shields Foundation, Inc. Scholarship for Nursing  
 The Dr. Nancy E. Taylor '62 Scholarship  
 The Hood College Waltersdorf Henson Scholarship  
 The Ruth Whitaker Holmes '55 and Portia Whitaker Shumaker '55 Science Scholarship  
 The Raymond R. and Margaret M. Zimmerman '22 Music Scholarship  
 \* *Not currently available for award*

## OTHER PRIZES, AWARDS, FUNDS, CHAIRS AND PROFESSORSHIPS

The following lists include other established named prizes, awards, funds and chairs/professorships that are not offered by Financial Aid but are administered by the College in support of students, faculty, and campus facilities.

## Undergraduate Prizes and Awards

The Accreditation Council for Business Schools and Programs Leadership Award

The Leah B. Allen Award in Astronomy

The Alumni Award for Social Work Excellence

The American Institute of Chemists Foundation Award

The Elizabeth Yourtee Anderson '82 History Prize

The ArachnidWorks Integrated Marketing Communication Award

The Art Department Alumnae Award

The Art Department Faculty Award

The Association for Women in Mathematics Book Prize

The Award in Nonprofit and Civic Engagement Studies

The Beta Beta Beta Award

The Biology Faculty Award

The Blue and Grey Editorial Award

The James R. Boston Prize

The Elizabeth B. Bower Prize

The Robert W. Boyle Outstanding Achievement in Statistics Award in Psychology

The Dr. Martha M. Briney '35, H'78 Honor Scholarship

The Bromer Peace Award

The Grace N. Brown '25 Prize in Mathematics

The Patricia Bucheimer Piano Prize

The Dana Cable Community Service Award in Psychology

The Larry T. Campbell Memorial Prize

The Julia Holzapfel Carhart '30 Prizes in Mathematics

The Catherine Filene Shouse Center for Career Development and

Experiential Education Distinguished Intern Award

The Chemistry Achievement Award

The Class of 1988 Volunteer Behind the Scenes Award

The Janice E. Cole Scholarship

The Janice E. Cole Writing Prize

The Computer Science Undergraduate Achievement Award

The Computer Science Faculty Prize

The Computer Science Chair's Fund Prize

The Frances C. Cutujian Prize

The Joseph E. Dahms Community Service Award

The Emily Myers Davis '43 Prize

The Delaplaine School of Business Book Prize

The Delaplaine School of Business Leadership Prize

The Department of Chemistry and Physics Faculty Award

The Eric Devan Outstanding Accounting Student Award

The Johanna Chait Essex '53 Prize in Early Childhood Education

The Exceptional Achievement Award in Psychology

The Margaret P. Ford Honor Scholarship

The Norm Gary Award

The Elaine Adrienne Gates Memorial Prize in Studio Art

The German Embassy Prize

The Bernard Gerrard Prize for "Mature" Students

The Raymond L. and Louise K. Gillard Prize

The Godman Prize in French\*

The Ardine and Phyllis Gorden Music Scholar Prize

The Ardine and Phyllis Gorden Musical Talent Prize

The Suzanne Gottert '68 Prize in Art

The Dr. Ruth Esther Griffith Biology Award

The "Grit" Award in Psychology

The Edenia Guillermo Award

The Kathryn E. Hale '04, M.S. '13 History Teaching Prize

The Shirley Conner Hardinge '44 Prize

The Maureen Kelly Hess '81 Prize

The Hood College Choir Award

The Hood College Prize in Ethics

The Hood College Retailing Club Prize

The C. May Hudson Prize

The Francis G. Hugo Prize in Psychology

The Hypatia Mathematics/Science Education Prize

The Dr. Robert Kaufmann German Prize

The Mary Ann Kerins Humanitarian Award

The George G. Kleinspehn Honor Scholarship

The Margaret Louise Kleist Prize

The Dr. Leonard Latkovski Memorial Prize in History

The Dr. Henry P. and M. Page Laughlin Student Award

The E. Louise Leonard Prize

The Virginia E. Lewis Best Paper Award

The Virginia E. Lewis Prize for Outstanding Achievement in Political Science

The Logic Prize

The Marion MacPhail Prize

The Marie A. Markow Excellence in Music Prize

The Maryland Section of the American Chemical Society Prize

The Jane D. McCarrell Prize

The Helen McCullagh McCutcheon '14 Prize

The Dr. Christine McHenry '73 Corde et Mente et Manu Award

The Charlotte A. Moran '57 Prize

The Wayne C. Neely Prize

The Kathryn Zimmerman Nicodemus H'05 Music Award

The Jack and Janet Spaulding Nunn '61 Award for Best Elementary Arabic Student

The Jack and Janet Spaulding Nunn '61 Award for Best Intermediate Arabic Student

The Jack and Janet Spaulding Nunn '61 French Prize

The Vesta Hoffman Osler '30 Chemistry Award

The Outstanding Research Contribution Award in Psychology

The Park-Dorff Award

The Florence A. Pastore Memorial Prize

The George C. Pearson Prize

The Pi Mu Epsilon Book Prize

The Hildegard Pilgram '31 Prize

The Political Engagement Award

The James B. Ranck Book Prize in American History

The Mary Ellen Randolph Prize

The Anna Louise Remsen '33 Prize in Art

The Mary Margaret Rose Award

The Rouse Graduate Scholarship

The Wanda Ruffin Treasured Wisdom Award in Psychology

The Linda Scott Outstanding Mentorship Award in Psychology

The SGA Student Leader of the Year Award

The Esther E. Shaw Award

The Sidney Silverman Award

The Linda Mae Snapp Memorial Award in Nursing

The Social Work Program Award for Social Work Excellence

The William Sprigg Prize

The Margaret Condron Sterner '39 Scholarship

The Charles E. Tressler Outstanding Student Award

The Aldan T. Weinberg '75 Communication Arts Prize  
 The Alyce T. Weinberg Honor Scholarship  
 The White Blazer Award  
 The Elizabeth Leiby Wood '38 Prize  
 The Linda Wyatt '68 and Marleen Spriggs '69 Award in African American Studies  
*\*Not currently available for award*

## Other Prizes and Awards

The Adviser of the Year Award  
 The Martha E. Church H'95 Prize for Leadership and Service  
 The Excellence in Teaching Award  
 The Hood College Graduate School Adjunct Excellence in Teaching Award  
 The Hood College Graduate School Excellence in Teaching Award  
 The Dr. Henry P. and Page Laughlin Distinguished Administrative Achievement Award  
 The Dr. Henry P. and Page Laughlin Faculty Professional Achievement Award  
 The Rose Award  
 The Lynda R. Sowbel Social Work Field Instructor of the Year Award  
 The Charles E. Tressler Distinguished Teacher Award

## Lecture and Performance Funds

The Homer W. Carhart H'07 and Noel K. Lester Guest Pianist Fund  
 The Ceramic Arts Visiting Artist Fund  
 The John C. and Janet Hobbs Cotton '59 Cybersecurity Lecture Series  
 The James M. Etchison Summer Chamber Music Trust  
 The Ardine and Phyllis Gorden Concert Fund  
 The William J. and Wilma M. Haines Lecture Fund in Biomedical Ethics at Hood College  
 The Hanson Lecture Series  
 The Jean Royer Kohr '62 Memorial Lectureship  
 The La Fleur Management Lecture Series  
 The Miss Grace Lippy Endowed Science Lecture Fund  
 The Charlotte Moran '57 Foreign Language Visiting Scholar and Lecturer Fund  
 The Pade Lectureship and Performance Fund  
 The Randall Family Endowed Chamber Music Concert Series Fund  
 The Nora Roberts Foundation Writer-in-Residence Program  
 The Silverman Young Artists Concert Fund

## Research and Support Funds

The Barrett Advertising Child Development Center Scholarship Fund  
 The Chemistry Travel Fund  
 The Martha E. Church H'95 Center for Leadership and Service Endowed Fund  
 The Class of 1983 Child Development Lab Fund  
 The Class of 1986 Endowed Fund  
 The Class of 1991 Film Series  
 The Computer Science Enhancement Fund  
 The George B. Delaplaine Jr. School of Business  
 The Anne Derbes Art Outreach Fund\*

The Nancy Salzman Ebert '57 Education Technical Learning Laboratory  
 The First Generation Student Center  
 The Ardine and Phyllis Gorden Capital Projects Fund  
 The Ardine and Phyllis Gorden Preparatory Music Program Fund  
 The Virginia Munson Hammell '67 Historic Preservation and Campus Maintenance Fund\*  
 The Virginia Munson Hammell '67 Trading Room Fund\*  
 The Shirley Conner Hardinge '44 Center for Global Studies  
 The Hodson Faculty Fellowships  
 The Hoffberger Endowed Honors Program  
 The Edith Howard Hogan '59 Fund for Nutrition  
 The Huntsinger Art History Travel Fund  
 The Marguerite Jaar Preparatory Music Fund  
 The E. Louise Leonard Language Lab Fund  
 The McCardell Professional Development Grants Endowed Fund  
 The McHenry Chaplain Fund  
 The Miller Greenhouse Endowment  
 The Nancy Miller Moorhouse '55 Memorial Fund for the Care & Upkeep of the College Grounds  
 The Grace Lampe Morrison '25 Endowment  
 The National Endowment for the Humanities Challenge  
 The Betsy Radey Pancelli '49 Memorial Research Fund  
 The Beryl Pfizer '49 Endowed Theatre Production and Programming Fund  
 The Onica Prall Child Development Lab School 75th Anniversary Fund  
 The Second Century Foundation Student Grants  
 The Mary Hansbrough Sneckenberger '64 International Travel Award\*  
 The John M. Stadlbauer Chemistry Department Instrument Fund  
 The Summer Research Institute Grants  
 The Tambor Bay School Fund  
 The Tidball Center Endowment Fund  
 The Tischer Endowed Funds  
 The Ronald J. Volpe Scholars  
 The Susan Whaley '74 Faculty Development Endowed Fund  
 The Susan Whaley '74 Study and Travel Abroad Fund  
 The Jeanne LeRoy Williams '69 Endowed Fund for Art History\*  
 The Williams Observatory Fund  
 The Helen G. and Alfred G. Zimmerman Hood College Campus Ground Beautification Fund  
 The Phebe Zimmerman Endowment Fund  
*\* Not currently available for award*

## Chairs and Professorships

The Beneficial Chair in Economics  
 The Delaplaine/Maryland Endowed Chair in Project Management  
 The Giles Chair in Early Childhood Education  
 The Hodson Trust Professorship in Nursing  
 The Hodson/Maryland Endowed Chair in Advanced Bioproducts Research and Education  
 The KBE Head Tennis Coach Fund  
 The Mildred Brown Lefferts Endowed Chair Fund  
 The Virginia E. Lewis Chair in Political Science  
 The Sophia M. Libman National Endowment for the Humanities (NEH) Professorship  
 The McHenry Dean of the Chapel

The Eleanor S. Pearson Professor Fund  
 The Hildegard Pilgram Chair in History  
 The Andrew G. Truxal Chair of Economics and Sociology  
 The Whitaker Chair in Chemistry

## REDUCED TUITION OPPORTUNITIES

Hood offers several opportunities for reduced tuition, including programs for older citizens and Hood alumnae and alumni.

### Encore Program

The Encore Program enables Hood alumnae and alumni who hold a B.A. or B.S. from Hood to take undergraduate courses at one-half tuition.

### Renewal Not Retirement

Hood's Renewal Not Retirement (RNR) program offers persons 60 years of age or older the opportunity to audit undergraduate courses. Studio and lab courses, practicums and self-directed study courses are not available for audit. The cost is \$100 per course.

## UNDERGRADUATE SPECIAL ACADEMIC OPPORTUNITIES

### CENTER FOR COMPUTER SECURITY AND INFORMATION ASSURANCE

The Center for Computer Security and Information Assurance, housed within the Department of Computer Science, coordinates and promotes inter-disciplinary research, education, and service projects in computer security and information assurance. Center activities bring together faculty, students, researchers, government and industry computer security experts, and law enforcement practitioners to share information and develop new ways to protect users, information systems, and information infrastructures. The Center currently offers a graduate Certificate in Cybersecurity. The Center's web site is located at: [ccsia.hood.edu](http://ccsia.hood.edu).

### 4PLUS - UNDERGRADUATE/GRADUATE DUAL DEGREE PROGRAMS

The 4Plus undergraduate/graduate dual degree programs allow students in most cases to complete both the bachelor's and master's degrees in an accelerated format.

The MBA degree is available to students from any undergraduate major who complete the recommended coursework during the final 2-3 semesters of their undergraduate degree, often allowing the MBA to be earned with just one additional year of study.

Some master's degree programs allow undergraduate students to complete master's degrees in a shortened time by permitting up to nine (9) credits of graduate coursework to be applied towards both degrees (bachelor's and master's). Current programs available for this option are:

- B.A./M.S. in Environmental Science (p. 74)/Environmental Biology (p. 218), and Biology (p. 61) or Biochemistry (p. 60)/Biomedical Science (p. 205)
- B.A./M.S. in Psychology (p. 84)/Counseling (p. 210)

- B.S./M.S. in Computer Science (p. 67)/Information Technology (p. 220)

Students should consult with their academic advisor and the graduate school by their sophomore year for more information and accurate schedule planning.

## COASTAL STUDIES SEMESTER

See *Coastal Studies Semester* (p. 66) for more information.

## DEPARTMENTAL HONORS PAPER

The Departmental Honors Paper is a senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisors. The course number 499 designates this type of study. Students writing Departmental Honors Papers are designated Christine P. Tischer Scholars.

See *About Course Offerings* (p. 104) for more information.

## MILITARY SCIENCE/ROTC

Hood College offers the U.S. Army Reserve Officers' Training Program (ROTC) in association with the Military Science Department of McDaniel College. See *Course Offerings* (p. 104) for more information.

## STUDY ABROAD PROGRAMS

Hood students may study abroad in approved programs in virtually every part of the world. All students intending overseas study should make application at least one year in advance of the proposed study. Students should consult with the Hood College Study Abroad Coordinator located in the Catherine Filene Shouse Center for Career Development and Experiential Education as soon as they determine they wish to study abroad.

The College encourages students to study abroad during the junior year. Some sophomores study abroad because of compelling program or personal reasons, and in rare instances the College permits seniors to study abroad in the fall semester.

The College requires language majors to study abroad unless they reside for two years in one of the language houses. Language students ordinarily enroll in programs abroad that offer instruction in the local language. Hood has formal associations with a number of established overseas programs, including those offered by CIEE, CAPA, CCIS, Junior Year France (Paris), and the University of Mainz, among others.

Students may also study abroad in short-term summer programs organized by Hood faculty.

*Grades received through Hood-affiliated semester or year abroad programs are calculated in the Hood GPA. Students participating in non-Hood affiliated semester or year abroad programs will earn transfer credit only for all courses completed with a grade of C- or above.*

## THE HOOD COLLEGE HONORS PROGRAM

A limited number of academically exceptional students are accepted into the Hood College Honors Program. Combining classroom instruction and co-curricular activities, the Honors Program offers a challenging academic experience and encourages both independent and collaborative learning. The program requirements are discussed in *Majors and Courses of Study* (p. 17).

## OFF-CAMPUS PROGRAMS AND COURSES

### PLEN

Hood College encourages our female students to participate in the Public Leadership Education Network. PLEN offers exciting programs that allow Hood students to gain firsthand experience shaping public policy in communities, the nation and the world. Students who enroll in PLEN's Women and Public Policy Internship Program learn about policy, research or social advocacy by working alongside women leaders in the Congress, courts, executive agencies and nongovernmental advocacy groups. Students may earn from 3 to 15 Hood College credits for participation in PLEN's internship programs. Those who wish to complete a PLEN internship must also meet Hood's requirements for internship eligibility. PLEN also offers three-day to three-week seminars on topics such as Women and Congress; Women in Science and Technology; Women and International Policy; and Women, Law and Public Policy.

For more information about any of PLEN's programs, contact the Center for Career Development and Experiential Education.

### The Washington Center

Hood College partners with The Washington Center, which is an independent, nonprofit organization serving hundreds of colleges and universities in the United States and other countries by providing selected students challenging opportunities to work and learn in Washington, D.C. for academic credit. The Washington Center offers two types of programs: Internships and academic seminars. Internships are semester- or summer-long integrated academic and work experiences in government, corporate and nonprofit organizations. Each internship is tailored to provide meaningful work experiences that will enhance students' resumes and help launch their careers. This is a "study away" opportunity where students may live in The Washington Center residence apartments. Additionally, students take academic courses and attend special programming during their time at The Washington Center. Academic seminars serve as intensive learning experiences with focus on specific topics, such as National Security, the Presidency, and the Middle East Peace Process. Past seminars have included visits to such locations as Capitol Hill, CNN, the Newseum, embassies and many others. Seminar events have featured such respected speakers as Ted Koppel, Andrea Mitchell, Howard Dean, and others. Students pay Hood tuition and receive Hood financial aid for The Washington Center Program. Credits and grades earned are calculated in the Hood GPA.

For more information and to begin the application process, contact the Center for Career Development and Experiential Education.

### Washington Semester Program

Hood College cooperates with American University's Washington Semester Program, an arrangement that provides priority access to Hood students who join 300 to 400 other students from across the country. Students may enroll in any of the units of the program: American National Politics Semester, Foreign Policy Semester, Justice Semester, Public Law Semester, Economic Policy Semester, Peace and Conflict Resolution Semester, Journalism Semester, Museum Studies and the Arts Semester, International Business and Trade Semester and International Environment and Development Semester. The director and academic advisers of each unit help students plan their programs, including a seminar, an independent research project and either an internship or a course at American University. Entrance requirements include a Grade

Point Average of 2.5, second-semester sophomore status, a recommendation from the Hood faculty adviser to the program and selection by the director at American University. Credits (but not quality points) are transferable to Hood. Because financial arrangements for room, board and tuition differ from those at Hood, students are urged to consult with the Hood financial aid officer well in advance. Hood students need not file a petition with the Committee on Academic Standards and Policies to participate in the Washington Semester.

### Community College Exchange

Full-time Hood students may take one course each semester at Carroll Community College (CCC) or Hagerstown Community College (HCC) without charge, provided that the course chosen is not offered at Hood during the academic year. See Transfer Policy and Attending Other Institutions (p. 52) for more information on this program.

## UNDERGRADUATE DEGREE REQUIREMENTS

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### Degrees

Hood offers three undergraduate degrees: the Bachelor of Arts, the Bachelor of Science and the Bachelor of Science in Nursing. Candidates for these degrees must complete requirements as outlined below. It is the responsibility of the student to be sure that all degree and major requirements are fulfilled by graduation.

### General Requirements

- Demonstration of the ability to write and speak standard English (included in the grade evaluation for every course at Hood College).
- Compliance with all general regulations of the College and of the Student Government Association.

### Graduation Requirements

- Completion of at least 124 credits in courses numbered 100 or above.
- Achievement of a 2.0 cumulative Grade Point Average. *Note: GPA requirements may vary by major.*
- Enrollment in the final 30 credits on the Hood campus as a degree candidate.
- Completion of the College Core Curriculum.
- Completion of all major requirements.

### Major Requirements

- A 2.0 cumulative Grade Point Average in courses in the major discipline must be maintained. *Note: GPA requirements may vary by major.*
- A minimum of 12 credits of course work in the major discipline must be completed at Hood.
- A minimum of 15 credits of course work in the major discipline must be completed at the 300-level or above.

### The Second Degree

Students who wish to earn any two degrees (B.A. and B.S.) concurrently must accumulate 154 semester hours of credit and fulfill Core Curriculum requirements for both degrees and the requirements for both majors.



Students already holding a bachelor's degree who wish to earn a second bachelor's degree, must accumulate at least 30 credits as a degree candidate at Hood and meet all degree and major requirements. Some departments require more than two semesters of full-time enrollment. Determination of how many credits must be earned at Hood for the second degree is made by the registrar, based on evaluation of the transcript from the original degree-granting institution.

A second bachelor's degree is offered through the Encore Program to Hood alumnae and alumni who hold a B.A. or B.S. from Hood. (This program is not available to alumnae and alumni who have only attended Hood's Graduate School.) The same provisions apply as above, but at one-half tuition. Hood graduates apply for reinstatement as degree candidates through the Office of the Registrar.

## THE HOOD COLLEGE CORE CURRICULUM

The Core Curriculum is required of all students and consists of Foundations and Methods of Inquiry areas. Students entering with an A.A., AAT or A.S. degree from an accredited institution in the State of Maryland are exempt from the Foundation and Methods of Inquiry areas of the Core with the exception of the Global Perspectives requirement which may be fulfilled with appropriate transfer courses. Students without the associate degrees mentioned, but entering with at least 56 credits may be eligible for the A.A. equivalency noted later in this section. Any students transferring fewer than 56 credits or those students with A.A., AAT, or A.S. degrees will follow the regular requirements for the core and should refer to the requirements listed for their major.

The purpose of the Core Curriculum is to provide students with the basic skills needed to pursue a liberal arts education, to expose them to a variety of modes of inquiry in different disciplines, and to promote critical reflection about global perspectives.

Two parts comprise the Core Curriculum: Foundation (p. 40) and Methods of Inquiry (p. 41).

### FOUNDATION (19-22 CREDITS)

The Foundation section of the core presents the fundamental skills necessary to pursue a liberal arts education. Upon satisfactory completion of this requirement, students will be able to write with clarity in English; solve basic mathematical problems and demonstrate some ability to interpret and present numerical data; realize the relationship between physical activity and wellness, and be able to design at least one physical activity program for improving wellness; function successfully using the four skills (listening, speaking, reading and writing) of a foreign language and develop awareness of a foreign culture.

#### English Composition (3-4 credits):

English composition courses at Hood College give students a strong foundation in the writing skills they will need for future success. In these courses, students respond to a variety of reading and writing assignments, all designed to expand their critical reading skills and their ability to communicate ideas in clear, coherent, and persuasive writing.

Composition courses emphasize frequent writing and rewriting; courses may include classroom discussions, writing laboratories, and small group and individual conferences between students and instructors. Students will explore various writing contexts, purposes, and audiences. Students will learn grammar, sentence structure, and effective paragraph and essay development. Students will demonstrate fluency in language, style, and source conventions.

ENGL 100	Elements of Composition	4.0
ENGL 110-139	Writing About Literature	3.0

A grade of C- or above is required to fulfill the Composition requirement.

#### First-Year Seminar (3 credits)

The ability to communicate well on a college level is crucial to success at Hood. With that in mind, the First-Year Seminar program offers students an opportunity to sharpen academic reading and writing skills in small classroom settings. All first-year seminars are reading and writing intensive and will help students refine their abilities in these areas as well as in critical thinking, information literacy and class discussion.

Each seminar is limited to 15 students, which will allow class members to work closely with their professor and peers. The seminar topics have broad appeal while reflecting the varied interests and expertise of the faculty who teach them.

All incoming first-year students are required to take a first-year seminar course during their first fall semester at Hood as a Core requirement.

*Students admitted to Hood prior to Fall 2015 and students admitted as transfers are exempt from the First Year Seminar core requirement.*

***Students who withdraw or receive an F in a first-year seminar during the fall semester must take the first-year seminar in the spring in order to satisfy the Core requirement. Students who fail or withdraw a second time will repeat the course again each spring until they pass the course.***

FYS 101	First-Year Seminar	3.0
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#### Quantitative Literacy (3-4 credits)

(QL) is a habit of mind. It involves using elementary mathematical tools to interpret and manipulate quantitative data arising in a variety of contexts. It is marked by computational fluency, and by competence and comfort in working with numerical data. Those who are quantitatively literate can create arguments supported by data and can communicate those arguments in many ways – using tables, graphs, mathematical expressions, and words.

A course that satisfies the QL section of the Core Curriculum should have as its main focus the use of mathematics to solve real-world problems. In those courses, using data and appropriate technology, students will collaborate to solve multi-step problems and effectively communicate their reasoning to others

ECMG 212	Statistics for Economics & Management	3.0
ENSP 103	Intro to Geographic Information Systems	4.0
MATH 111	Mathematics Everywhere	3.0
MATH 112	Applied Statistics	3.0
MATH 112W	Workshop Statistics	3.0
MATH 201	Calculus I	4.0
MATH 213	Statistical Concepts and Methods	4.0
PH 202	Biostatistics in Public Health	3.0
PSY 211	Elementary Statistics	3.0
SOC 261	Quantitative Methods for the Social Sciences	3.0

#### Foreign Language (8 credits):

Completion of an elementary (101 and 102) Arabic, French, German or Spanish course sequence or exemption through a placement test. Students are exempt from the Foreign Language Core requirement if placed by exam, but choose not to enroll, in a 201 or above foreign language course. No credit is earned.

***Note: American Sign Language will not satisfy this requirement.***

International students for whom English is a foreign language may meet the requirement by placing into 100-level English. If, however, English is the official language of the country, a foreign language is required.

**Health and Wellness (2-3 credits):**

The physical education core requirement may be completed in one of two ways:

**Complete two credits of activity courses:**  
PE 100-199

or complete one 3-credit course from the following:

PE 225	Health Maintenance: Stress Assessment and Control	3.0
PE 227	Women's Health Issues	3.0
PE 228	Life Wellness and Health	3.0
PE 229	Military Fitness	3.0
PE 250	Introduction to Exercise Physiology	3.0

*Athletes who participate in intercollegiate sports may be exempted from all or part of the 2-credit physical education activity option. A 1/2 credit of exemption will be granted for each season of participation. No credit is earned for these exemptions.*

*Students who participate in the United States Army Reserve Officers Training Program (ROTC) may be exempted from all or part of the 2-credit physical education activity option. A 1/2 credit of exemption will be granted for completing each of the following courses: MSCI 101, MSCI 102, MSCI 201, MSCI 202.*

**METHODS OF INQUIRY (25-28 CREDITS)**

There are seven areas within Methods of Inquiry. These include: Literary Analysis, Visual and Performing Arts, Scientific Thought, Historical Analysis, Social and Behavioral Analysis, Philosophical Inquiry and Global Perspectives.

Courses designated as GP fulfill both Global Perspectives and the Methods of Inquiry area under which they are listed.

The seven Methods of Inquiry categories are:

**Global Perspectives (3 credits)**

Students will take one 3- or 4-credit course designated as GP and these courses may fulfill other core or major requirements.

Courses that fulfill the Global Perspectives portion of the core promote critical reflection about global perspectives in one of the following ways:

- critically examining a work, discourse or institution of global significance in its historical context and suggesting ways it has influenced world cultures, ideas or issues or
- describing the cultural, ideological or institutional structures that transcend two or more national, cultural or continental boundaries and critically considering how two or more different communities divergently experience the world shaped by such global structures.
- Study abroad for at least one full semester would fulfill this requirement.

*Students admitted to Hood prior to Fall 2014 are exempt from the Global Perspectives core requirement.*

AFPS 353	Contemporary African Political Thought	3.0
ART 219	Art of Three Faiths	3.0
ART 231	Archaeology of Native North America	3.0
ART 250	Art of Asia	3.0
ARLS 354	Mesoamerican Art and Archaeology	3.0
CMA 209	Mass Media and Revolution	3.0
CSIT 302	Impact of Computers on Society	3.0
ECON 317	Economics of Development	3.0
ECON 320	The Economics of Gender	3.0
ECON 324	International Trade	3.0

ENGL 463/HON 463	International Currents in Modern Fiction	3.0
FREN 207	Cultural Perspectives on French Literature I	3.0
FREN 208	Cultural Perspectives on French Literature II	3.0
FREN 314	Refinement, Politeness and Social Behavior	3.0
FREN 320	Francophone Women Writers	3.0
FREN 323	Modern Family in France	3.0
GEOG 101	Cultural Geography	3.0
GER 207	Cultural Perspectives on German Literature I	3.0
GER 208	Cultural Perspectives on German Literature II	3.0
GLBS 200	Introduction to Global Studies	3.0
GLBS 300	Challenges and Opportunities of Globalization	3.0
GLBS 301	Human Migrations: Refugees and IDPs	3.0
GLBS 345	Global Perspectives on Women, Power and Politics	3.0
HIST 246	Modern Africa, 1400-Present	3.0
HIST 264	Ancient and Medieval World to 1200	3.0
HIST 265	Medieval and Early Modern World, 1200-1800	3.0
HIST 266	The Modern World, 1750 to Present	3.0
HIST 268	Latin America	3.0
HIST 347	The Indigenous World	3.0
HIST 353	US Foreign Relations since World War II	3.0
HIST 356	Global Empires I	3.0
HIST 357	Global Empires II	3.0
HON 201	Honors Colloquium III	3.0
MATH 470	Seminar: The History of Mathematics	3.0
MEST 300	Cultures of the Middle East	3.0
MGMT 314	International Business	3.0
MUSC 302	World Music	3.0
NUR 300	Global Learning Experience in Healthcare and Nursing	3.0
PHIL 316/HON 316	Perspectives in Global Health	3.0
PLRL 301	Indian Thought	3.0
PLRL 306	Chinese Thought	3.0
PSCI 210	Comparative Politics	3.0
PSCI 215	International Relations	3.0
PSCI 323	Politics of the Developing World	3.0
PSCI 354/HON 354	African Political Autobiography	3.0
REL 304	Islam	3.0
REL 342	From Abolitionism to Human Rights	3.0
SOC 318	Global Social Problems	3.0
SPAN 207	Cultural Perspectives on Spanish Literature I	3.0
SPAN 208	Cultural Perspectives on Spanish Literature II	3.0
SPAN 323	Spanish Cinema	3.0
SPAN 333	Latin American Poetry	3.0

**Historical Analysis (3 credits)**

Historical Analysis courses introduce students to an analysis of human affairs that goes beyond the mere narration of historical facts by acquainting students with the methods historians use to describe, explain and reconstruct the past. Upon satisfactory completion of this requirement, students will be able to make use of historical information found in primary source materials; place significant works in their proper historical and cultural context; assess the complex relationship between historical events and the human condition; and chronologically order and

explain the significance of major events and the development of key social and political institutions for at least one period of history.

AFHS 257	The African American Experience	3.0
AFPS 301	African-American Political Autobiography	3.0
CMA 204	Media History	3.0
HIST 202	Medieval Europe	3.0
HIST 217	History of the United States to 1877	3.0
HIST 218	History of the United States since 1877	3.0
HIST 264	Ancient and Medieval World to 1200	3.0
HIST 265	Medieval and Early Modern World, 1200-1800	3.0
HIST 266	The Modern World, 1750 to Present	3.0
HIST 268	Latin America	3.0
HIST 269	Women in America	3.0

**Meets Global Perspectives Requirement:**

HIST 264	Ancient and Medieval World to 1200	3.0
HIST 265	Medieval and Early Modern World, 1200-1800	3.0
HIST 266	The Modern World, 1750 to Present	3.0
HIST 268	Latin America	3.0

**Literary Analysis (3 credits)**

Upon satisfactory completion of the Literary Analysis requirement, students will be able to read with perception the literature they have studied; analyze significant aspects of this literature; and intelligently discuss relationships between the literature and human experience.

ENGL 221	World Literature	3.0
ENGL 229	History of Drama Theatre I	3.0
ENGL 230	History of Drama and Theatre II	3.0
ENGL 232	(Re)Writing the Popular	3.0
ENGL 250-269	Thematic Studies	3.0
AFEN 265	Thematic Studies: African American Voices before the 20th Century	3.0
AFEN 266	Thematic Studies: The Harlem Renaissance and Beyond: 20th Century African-American Literature	3.0
ENGL 270-289	Genre Studies	3.0
FREN 207	Cultural Perspectives on French Literature I	3.0
FREN 208	Cultural Perspectives on French Literature II	3.0
GER 207	Cultural Perspectives on German Literature I	3.0
GER 208	Cultural Perspectives on German Literature II	3.0
SPAN 207	Cultural Perspectives on Spanish Literature I	3.0
SPAN 208	Cultural Perspectives on Spanish Literature II	3.0

**Meets Global Perspectives Requirement:**

FREN 207	Cultural Perspectives on French Literature I	3.0
FREN 208	Cultural Perspectives on French Literature II	3.0
GER 207	Cultural Perspectives on German Literature I	3.0
GER 208	Cultural Perspectives on German Literature II	3.0
SPAN 207	Cultural Perspectives on Spanish Literature I	3.0
SPAN 208	Cultural Perspectives on Spanish Literature II	3.0

**Philosophical Inquiry (3 credits)**

Philosophical Inquiry courses teach students to think in a disciplined and reasoned way about questions of reality, meaning and value by approaching such questions either theoretically or through examples that may be drawn from different disciplines or cultures. Upon satisfactory completion of this requirement, students will be able to analyze, in a preliminary way, questions about reality, meaning or value; discuss some of the traditional views on such questions; and develop criteria to arbitrate differences between conflicting normative claims about thought or behavior.

AFRL 311	Black Theology	3.0
PHIL 200	Contemporary Philosophical Topics	3.0
PHIL 203	Philosophical Issues in Feminism	3.0
PLRL 205	Classical Religion & Philosophy	3.0
PHIL 211	Philosophy Through Film	3.0
PHIL 212	Human Nature and Society	3.0
PLRL 219	Ethics & Leadership	3.0
PHIL 220	Professional Ethics	3.0
PHIL 221	Ethics	3.0
PHIL 319	Biomedical Ethics	3.0
PSCI 304	Philanthropy and Civic Life	3.0
REL 200	What is Religion? Introduction to Religious Studies	3.0
REL 203	Old Testament	3.0
REL 204	The New Testament	3.0
REL 211	American Religious History	3.0
REL 233	Eastern Religions	3.0

**Scientific Thought (7-8 credits)**

Scientific Thought courses promote the student's understanding and appreciation of science, the scientific approach to problem solving, and the importance of science in our society. Students are required to take two courses in this category, at least one of which must be a natural science lab course. Thus, students may take one lab science and one non-lab science course, or they may take two lab science courses to fulfill this requirement.

This core requirement may be fulfilled in one of two ways:

- Complete one Non-laboratory and one Laboratory course
- Complete two Laboratory courses

**Non-laboratory Courses (3 credits):**

Non-Lab courses cover basic content in the natural sciences, computer science, or mathematics, without including a laboratory component. In addition to introducing students to the methods and content of the discipline, courses will include a substantial (>25%) focus on the impact of the material on society, including current political, moral, environmental, technological and/or ethical issues raised. Upon satisfactory completion of this requirement, students will be able to understand, from a nonprofessional perspective, the scientific concepts, laws, and principles that affect current societal issues and assess the impact of scientific or technological matters on society and the environment.

BIOL 130-149	Biological Inquiry	3.0
CHEM 105	Molecular Basis of Nutrition	3.0
CS 100	Applied Computing I	3.0
CS 110	Programming Art	3.0
CS 112	Introduction to Computer Music	3.0
CS 200	Applied Computing II	3.0
ENSP 101	Environmental Problems	3.0
ENSP 110	Environmental Science II	3.0
IT 180	Unraveling the Web	3.0
SUS 101	Introduction to Sustainability	3.0

**Laboratory Courses (4 credits):**

Lab courses introduce students to the scientific method of understanding the natural world. These courses include a hands-on laboratory experience where students use scientific tools and techniques to measure and analyze the systems under study. These courses include an introduction to how scientific information is reported.

BIOL 110-129	Biological Inquiry	4.0
CHEM 100	The Chemical World	4.0
CHEM 101	General Chemistry I	4.0
CHEM 102	General Chemistry II	4.0
ENSP 101	Environmental Problems and	3.0
ENSP 102	Environmental Science Laboratory	1.0
PHSC 101	An Introduction to Physical Science	4.0
PHYS 101	General Physics	4.0
PHYS 102	General Physics	4.0
PHYS 203	Introductory Physics I	4.0
PHYS 204	Introductory Physics II	4.0

**Social and Behavioral Analysis (3 credits)**

Social and Behavioral Analysis courses introduce the study of human behavior and/or the structures of society by acquainting students with the methods used for solving problems in the social or behavioral sciences. Upon satisfactory completion of this requirement, students will be able to identify the essential features of society and culture or the major factors of human behavior, either in general or as they apply to particular social, political or economic issues; analyze the structures or functions of some major social institution or the effect of social structures on human attitudes and behavior; and identify the methods used to address questions related to structures of society and/or human behavior.

AFAM 251	The African Diaspora	3.0
ANTH 201	Introduction to Anthropology	3.0
CMA 200	Mass Media and Society	3.0
CMA 209	Mass Media and Revolution	3.0
CMA 222	The Art of Skepticism	3.0
ECON 205	Principles of Macroeconomics	3.0
LWPS 230	Introduction to Law	3.0
MGMT 205	Principles of Management: Introduction to Organizations	3.0
PSCI 202	Women & Politics	3.0
PSCI 203	Introduction to U.S. Politics	3.0
PSCI 210	Comparative Politics	3.0
PSY 101	Introduction to Psychology	3.0
PSY 103	Psychomythology: Psychology, Media, Science, and Pseudoscience	3.0
SOC 101	Principles of Sociology	3.0
SOC 215	Social Problems	3.0
SWAG 200	Introduction to Studies in Women's and Gender	3.0

**Meets Global Perspectives Requirement:**

CMA 209	Mass Media and Revolution	3.0
PSCI 210	Comparative Politics	3.0

**Visual and Performing Arts (3-4 credits)**

The arts engage both the mind and senses and are formative to human society and communication. Visual and Performing Arts courses allow students to explore the creation of art from a variety of perspectives. Courses focusing on the practice of the visual and performing arts, or on the history and analysis of these arts, satisfy this requirement.

ART 201	Meaning & Method in Art	3.0
ART 219	Art of Three Faiths	3.0
ART 220	History of Art I	3.0
ART 221	History of Art II	3.0

ART 250	Art of Asia	3.0
ART 275	The Art of Film: History & Technique	3.0
ARTS 101	Design	4.0
ARTS 203	Ceramics Handbuilding	3.0
ARTS 210	Color Theory	3.0
ARTS 243	Ceramic Wheel	3.0
CMA 270A	Alfred Hitchcock: Master of Suspense	3.0
CMA 270B	Reel Journalism	3.0
CMA 270C	America's Great Film Comedies	3.0
CMA 280	Screen Craft	3.0
CMA 282	History of American Film	3.0
ENTH 205	Introduction to Playwriting	3.0
MUSC 100	Fundamentals of Music	3.0
MUSC 101	Beginning Music Theory & Musicianship I	3.0
MUSC 103	Introduction to Music	3.0
MUSC 299	Special Topics in Music	3.0
SPAN 215	Hispanic & Latino Film	3.0
SPAN 323	Spanish Cinema	3.0
THEA 101	The Elements of Acting	3.0
THEA 102	Improvisation	3.0
THEA 202	The Theatre and Films of Buster Keaton	3.0

**Meets Global Perspectives Requirement:**

ART 219	Art of Three Faiths	3.0
ART 250	Art of Asia	3.0
SPAN 215	Hispanic & Latino Film	3.0
SPAN 323	Spanish Cinema	3.0

**CORE REQUIREMENTS - BACHELOR OF ARTS DEGREE AND BACHELOR OF SCIENCE DEGREE/ A.A. EQUIVALENCE**

Transfer students who have not earned an A.A., AAT or A.S. degree from an accredited institution in the state of Maryland may still be eligible for an exemption of Hood's Foundation and Methods of Inquiry core requirements. Upon evaluation of transcripts of all prior college level work, students determined to have completed at least 56 transferable credits and the appropriate General Education distribution as listed below will be granted A.A. equivalency.

- English Composition (3 credits) (completed with a grade of C- or better)
- Arts and Humanities (6 credits) (may be from the same discipline)
- Mathematics (3 credits) (100-level)
- Science (7-8 credits) (two courses; one must be a lab course)
- Social and Behavioral Science (6 credits) (may be from same discipline)

Transfer students whose only deficiency in meeting the A.A. equivalency requirements as listed above is in the math, science or English composition requirement, will be given the opportunity to complete an appropriate course at Hood College in their first semester of course work. Upon completion of the English composition, math or science course at Hood, A.A. equivalency will be awarded.

All students must satisfy the Global Perspectives category of the Core. Appropriate transfer courses may fulfill this requirement.

## UNDERGRADUATE ACADEMIC POLICIES

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*Appeals to academic policy may be made to the Committee on Academic Standards and Policies. Petition forms are available in the Office of the Registrar and online.*

### ACADEMIC HONOR CODE

All Hood undergraduates affirm on each class assignment that they “have neither given nor received any unauthorized aid.” Cheating or plagiarism—any unacknowledged use of another person’s language or ideas—is thus both an affront to the general standards of conduct on which an intellectual community depends and a specific violation of the Academic Honor Code. As such, these offenses are treated seriously and may lead to severe disciplinary action, including dismissal from the College. For the full description of the policies and procedures of the Academic Honor Code, refer to Appendix B of the Student Handbook, and contact the dean of student success with questions or concerns.

Students wishing advice on the proper use and acknowledgement of scholarly materials should consult their individual instructors, Writing Center, the library staff and any of the several reliable guides to scholarly writing that these sources may recommend.

### Copyright Statement

Hood College affirms the obligation of its faculty, staff, and students to comply with all Federal copyright laws (Title 17, United States Code). Copyright law gives copyright holders (writers, publishers, artists, etc.) exclusive rights to distribute, copy, perform, or publicly display, their own original works. The College recognizes its obligation to promote the rights and responsibilities granted under this law. Hood College assumes that any questions regarding copyright, as they apply to materials for instructional or other College use, will be resolved prior to the use of those materials on College-owned equipment or in College-sanctioned activities.

As members of an institution with an established Honor System emphasizing intellectual integrity, the Hood College community should recognize their responsibility to follow the law and to model it for others. All members of the College community are responsible for complying with College guidelines regarding the legal use of copyrighted materials, regardless of their format or the purpose for which they are used, and for complying with the requirements of copyright law, including obtaining required permissions to use copyrighted materials. Members of the Hood community who willfully disregard copyright law do so at their own risk and assume any liability, which may include criminal, and/or civil penalties. In addition, disciplinary action may be taken as outlined a) for students, in the Bylaws of the Student Government Association (Judicial System), b) for faculty, in the Faculty Code (Termination or Sanctions for Cause), and c) for staff, in the Staff Handbook (Section 405.3).

### Peer-to-Peer File Sharing

Uploading or downloading works protected by copyright without the permission of the copyright owner is an infringement of the copyright owner’s exclusive rights of reproduction and/or distribution. Anyone found to have infringed a copyrighted work may be liable for statutory damages up to \$30,000 for each work infringed and, if willful infringement is proven, liability may be increased up to \$150,000 for each

work infringed. An infringer of a work may also be liable for the attorney’s fees incurred by the copyright owner to enforce his or her rights. The files distributed over peer-to-peer networks are primarily copyrighted works, and there is a risk of liability for downloading material from these networks. There are currently many “authorized” services on the Internet that allow consumers to purchase copyrighted works online, whether they be music, e-books, or motion pictures. By purchasing works through authorized services, consumers can avoid the risks of infringement liability.

### The Digital Millennium Copyright Act

The DMCA is a response to concerns regarding the pirating and distribution of digital materials, and it helps to clarify how copyright relates to those materials. The DMCA criminalizes the development of technologies intended to circumvent devices (such as passwords or encryption) that limit access to copyrighted material, and it also criminalizes the act of circumvention itself. Institutions of higher education that act as Internet Service Providers (such as Hood College) are granted limited liability for copyright infringement involving the use of their networks if they take steps to designate a local agent to receive notices regarding instances of infringement over the local network and for effecting a “take-down” of the infringing material. The Library Director will provide contact information for Hood’s Take-Down Officer.

### ACADEMIC HONORS

#### Commencement Honors

Commencement Honors are awarded to graduating seniors who have achieved the following composite average at the time of graduation (see *The Hood College Grade Point Average and The Composite Average* located under *Grades* (p. 47)):

- Summa Cum Laude: 3.95–4.00
- Magna Cum Laude: 3.85–3.94
- Cum Laude: 3.70–3.84

#### Dean’s List

The Dean’s List recognizes degree-seeking students who completed at least 6 semester hours of Hood work (or who have received permission to study abroad or away for a semester) and achieved a 3.5 or above semester GPA. Students who have outstanding incomplete grades for the semester are not eligible.

#### Hood College Scholar

A Hood College Scholar, named at the beginning of the junior or senior year, is the student who received Convocation Honors for at least two consecutive years (may include approved study away). A student who has graduated from the College is not eligible to become a Hood College Scholar.

### ACADEMIC STANDING AND CLASSIFICATION

#### Classification

- Freshman: fewer than 25 credits earned.
- Sophomore: 25-55 credits earned.
- Junior: 56-86 credits earned.
- Senior: 87 or more credits earned.

## Academic Standing

Students are in good academic standing when both the semester and cumulative Grade Point Averages (GPAs) are at least 2.0. Hood makes every effort to assist students to maintain this academic standard. It is the student's responsibility to take advantage of the College's academic, health and psychological counseling services as a means of overcoming problems impeding progress.

At the end of each semester the Committee on Academic Standards and Policies examines the records of those students who have earned a semester or cumulative average below 2.00, and examines the records of students previously placed on academic warning or probation. Academic action by the Committee is based not only on the academic record, but includes input from the offices of Residence Life, Accessibility Services, Student Life, the Center for Academic Achievement and Retention (CAAR) and students' instructors and advisers, regarding issues such as attendance and completion of assigned coursework, and matters from outside the classroom that may have affected students' academic success. Based on all the information, students will be placed on academic warning, academic probation, or be dismissed from the College. (**Note:** While the Committee on Academic Standards and Policies examines students' semester and cumulative grade point averages, individual academic departments also review the grade point averages of students in their majors at the end of each semester. Based on their review, departments may take action concerning students' standing within their majors if students do not meet the academic standards set for each major. Departmental reviews of students' standing in their majors operate independently from the end-of-semester records reviews conducted by the Committee of Academic Standards and Policies.)

## Academic Warning

Students will be placed on academic warning if their semester Grade Point Average (GPA) falls below 2.00 and/or the end-of-semester review of students' records by the Committee on Academic Standards and Policies raises concern about students' overall academic progress. Students placed on warning will be informed of their status in a letter copied to their academic adviser. If they are placed on academic warning, students are encouraged to meet with their advisers immediately to consider how best to improve their future academic performance. Possible steps to take may include, but are not limited to, adjusting students' future schedules to ensure a manageable workload, contacting the Center for Academic Achievement and Retention (CAAR) to identify helpful resources, developing better time-management and study strategies, and/or speaking with individual instructors about ways to succeed. Students whose Grade Point Average remains below 2.00 for more than one semester may be required to complete the Academic Success Program through the office of student success located in CAAR and/or enroll in GNST 101 as determined by the Committee on Academic Standards and Policies. Students will be informed of such additional requirements in a letter copied to their academic adviser.

At the end of each semester, the Committee on Academic Standards and Policies will review the records of students on academic warning. On the basis of this review, the committee may recommend an end to the warning period, continued warning, or academic probation.

## Academic Probation

Students will be placed on academic probation if their cumulative Grade Point Average (GPA) falls below 2.00 and/or the end-of-semester review of students' records by the Committee on Academic Standards and

Policies raises concerns about students' overall academic progress. Academic probation means that a student is in danger of being dismissed from the College for academic reasons. Students placed on academic probation must make satisfactory progress, as defined in the probation letter sent to students, during the following semester or risk being dismissed from the College.

Students on academic probation will be required to demonstrate significant academic improvement and to earn a semester Grade Point Average high enough to allow for a cumulative GPA above a 2.00 within two semesters. Progress toward this goal will be reviewed by the committee at the end of each probationary semester. Students must also complete the Academic Success Program through the office of student success located in CAAR and enroll in GNST 101 (if they have not already completed this course). Additionally, students on probation may not register for more than 14 credits, including GNST 101, without permission from the Committee on Academic Standards and Policies. (Note: If students on probation are not enrolled in GNST 101, they may not take more than 12 credits in a given semester.)

Students who are placed on Academic Probation will be required to sign a copy of the probation letter, indicating that they understand the probation terms and that they agree to assume responsibility for their academic status by attending classes regularly, completing assignments on time, using course, mathematics and composition tutoring services and/or doing whatever is appropriate to resolve their specific academic problems.

At the end of each semester, the Committee on Academic Standards and Policies will review the records of students on probation to determine if students have met the probationary requirements and, on the basis of this review, may recommend an end to the probationary period, continued probation, or dismissal from the College.

## Academic Dismissal

Upon recommendation of the Committee on Academic Standards and Policies, the College may at any time dismiss a student who is not making satisfactory academic progress as defined below. This policy applies to all students. In addition to the above-stated information considered by the Committee on Academic Standards and Policies in its academic reviews of students' records, the Committee will also use the following guidelines when considering whether to dismiss students from the College:

1. Students whose cumulative Grade Point Averages (GPA) fall below the following levels will be dismissed:

Total Semester Hours Attempted*	Minimum Cumulative Hood GPA
Less than 30 credits	1.75
30 or more credits	2.00

\*Credits attempted include all transfer credits accepted by Hood.

However, grade point averages listed in this table are based on Hood work only.

2. The College reserves the right to dismiss at any time any students who fail to meet minimal standards required to make satisfactory academic progress. Examples of failure to meet these standards may include, but are not limited to, ceasing to attend classes, disrupting the life and work of the College community or completing any semester with a term grade point average below 1.00. This policy applies to all students, including first-semester first-year students.

All students dismissed from the College will receive a dismissal letter which includes a description of the appeals process and deadlines.

3. Students who are dismissed from the College may not enroll in classes as a non-degree seeking student.

## Dismissal Appeals

Appeals for exemption from dismissal may be granted by the provost and dean of the faculty in unusual circumstances and following consultation with the Committee on Academic Standards and Policies, the student's instructors and adviser and other relevant offices. Appeals for reinstatement following dismissal must be received within one week of electronic notification of dismissal. Typical grounds for an appeal are: 1) That an error has been made in the calculation of a student's grade; 2) That at the time of considering a student's record the Committee on Academic Standards and Policies did not have knowledge of significant information bearing on a student's academic performance, such as a family or medical issue. The Committee will not question professors' judgment as to the quality of students' work or the standards that professors set for academic performance. All appeals must include discussion of specific steps that students will take to achieve academic success in the future. Hood College is committed to the success of all students; the challenges of extenuating personal circumstances will be factored into every decision on dismissal and appeal.

Students whose appeals are granted will be readmitted to the College for one semester on a probationary basis. Failure to comply with the conditions specified in the letter allowing students to return to the College will result in their dismissal at the end of the probationary semester.

## Dismissal and Reinstatement

Students who are dismissed from the College may not enroll in classes as a non-degree-seeking student. Students who are dismissed for academic reasons may petition for reinstatement after completing a minimum of one full-time semester at another accredited institution and receiving no grade below a C.

The following is the procedure for possible reinstatement:

- 1) The student writes to the registrar to request permission to return to Hood.
- 2) The student provides transcripts of work attempted elsewhere or other pertinent information.
- 3) The Committee on Academic Standards and Policies reviews the request and makes a decision regarding reinstatement.
- 4) A student who is reinstated will be placed on academic probation. Reinstatement does not automatically reinstate financial aid. The student must notify the Office of Financial Aid.

If a student is dismissed for nonacademic reasons, the student must request in writing to the dean of students' permission to return to Hood. The dean of students decides if the student may be reinstated.

## Financial Aid Implications

Financial aid recipients are required to be in good academic standing and maintain satisfactory academic progress toward degree requirements. Please refer to the financial aid section of the catalog for financial implications.

## ATTENDANCE AND ABSENCE

The College does not set a maximum number of absences permissible in any course. Individual faculty members have the prerogative to establish a

maximum number of absences at the beginning of the semester and are encouraged to include a written statement of their attendance policy on the course syllabus. Students accept full responsibility for seeing that work does not suffer from excessive absence.

The College recognizes that there are other justifiable reasons for class absence: observance of religious holidays or participation as a representative of the College in athletic contests or cultural performances. Such absences are acceptable only if previous absences are not excessive and if the student has made arrangements with the instructor, prior to the day of the absence, for the work missed.

### Limits/Restrictions:

- Students must attend the first-class meeting of each of their courses or notify the instructor or the registrar's office of their absence, or risk being withdrawn from the class with a grade of WX.
- Enrollment in a course constitutes an informal contract with the instructor, and a student who violates an instructor's attendance policy risks dismissal from the course. Instructors may have a student withdrawn from a class and a grade of WX recorded up until the deadline for course withdrawal. After the course withdrawal deadline has passed, the student receives a grade of F.
- A student who is dismissed from a course for excessive absences or who is withdrawn from the class for failing to appear at the first-class meeting may be reinstated only by the joint consent of the course instructor and the registrar.
- Classes are held up to the date and hour preceding vacations and they resume promptly after the recess in accordance with the academic calendar. Students are expected to attend classes meeting just prior to and immediately following holiday periods.
- Students are fully responsible for making up work missed due to class absence. When students are absent, they are responsible for obtaining lecture notes from reliable sources. Assignments and projects are to be delivered to the instructor on the assigned date, even when the student does not attend class. All exams are to be taken at the scheduled time. Having another exam scheduled on the same day is not considered sufficient justification for rescheduling the exam.

The College requires instructors to inform the director of The Josephine Steiner Center for Academic Achievement and Retention of students who demonstrate erratic attendance patterns. This is not done to penalize the student but rather to ensure that College officials can assist students in making consistent progress toward the degree.

## AUDIT

With instructor permission, a student may enroll in most lecture courses as an auditor. As the term implies, auditors listen rather than engage in class discussions and projects. Auditors attend class regularly but do not write papers or take exams or quizzes.

### Limits/Restrictions:

- The student receives neither credit, grade nor grade points for an audit; however, the audit does appear on the transcript.
- There is no limit on the number of courses that a student may audit during a semester. If the audited course or courses cause a student to exceed 18.5 credits, the excess credits will be billed by the undergraduate per-credit-hour fee.

- It is not possible to audit courses such as creative writing, painting, drawing, labs and other courses where the nature of the activity requires the participation of the student. Students may enroll on a noncredit basis in such courses by paying the current per-credit-hour fee.
- No changes to or from the audit option may be made after the end of drop/add period.
- A student may take for credit, at a later time, a course that was previously audited.
- Part-time students pay a reduced audit fee to audit a course. See Tuition, Fees and Other Charges (p. 29)

## CREDITS

Following the guidelines of the United States Department of Education and using the Carnegie unit of measure for assigning credits to its undergraduate and graduate courses, Hood defines a credit hour as representing one 50-minute hour of class work and at least two to three hours of student preparation in a given subject per week throughout the semester.

Credits	Faculty instruction	Class Minutes/Hours per Semester	Student Preparation
1	50 minutes	750 minutes (12.5 hours)	120 minutes
2	100 minutes	1,500 minutes (25 hours)	240 minutes
3	150 minutes	2,250 minutes (37.50 hours)	360 minutes
4	200 minutes	3,000 minutes (50 hours)	480 minutes

One credit of supervised laboratory or studio classes require a minimum of 30 hours, of 50 minutes each.

## DOUBLE-NUMBERED COURSES AND UNDERGRADUATE ENROLLMENT IN GRADUATE COURSES

Certain courses have been designated as appropriate for both graduate students and undergraduates. These “double-numbered courses” are identified by numbers in both the 400 and 500 range. Undergraduate students enroll in the 400-level course and receive undergraduate credit. Graduate students enroll in the 500-level course and receive graduate credit. Syllabi for such courses will clearly outline different expectations for graduate and undergraduate students. Students who took a double-numbered class at the 400 level as an undergraduate student may not take the same class at the 500 level as a graduate student for credit.

Undergraduate students must meet different performance standards from the graduate students. These differences may relate to the quality and/or quantity of work required and may also involve measures of grading.

**To be eligible to take a 400/500-level course**, undergraduate students must have a cumulative Grade Point Average of 2.0 or better and have earned at least 56 credits, including 12 credits or more at the 200 level or above in the course discipline.

**To be eligible to take a 500-level graduate course and receive undergraduate credit**, Hood undergraduate students must have earned senior status (87 credits) including 12 credits or more at the 200 level or above in the course discipline; have a cumulative Grade Point Average of

3.0 or better; have a Grade Point Average of 3.0 or better in the major area of study; and complete a petition, verified and approved by the registrar, the adviser, and the instructor. Credit will count only toward the undergraduate degree.

**To be eligible to take a 500-level graduate course and receive graduate credit**, Hood undergraduate students must have earned a minimum of 109 credits and meet the requirements indicated above. Credit will not apply toward the 124 credits required for the undergraduate degree unless approved for a designated Dual Degree program.

## FINAL EXAMINATIONS

Instructors give final examinations in all courses except those in which special assignments are more appropriate. Instructors inform students of final examination policy at the beginning of the term. Final exam dates are listed in the official Academic Calendar, and students’ travel plans must take the dates of scheduled exams into account. No student may reschedule a final examination in order to leave or travel early. In accordance with the Hood College Honor Code, the student may not discuss any final examination in any way with anyone during the final examination period. Final examinations may not be given prior to the start of the designated examination period.

No student will be required to complete three exams in one day. Students will be directed to the department in which the third exam is scheduled to arrange for an alternate day and time. Arrangements must be made prior to the beginning of exam week.

## FINANCIAL OBLIGATIONS

Grades, transcripts, future registrations and diplomas will be withheld until the student has paid all tuition, fees and other bills incurred at the College, and has returned all library books.

## GRADES

### Grading Criteria

Hood’s faculty uses the following general criteria in determining grades. Demonstration of the ability to write and speak standard English is included in the grade evaluation of every course. The criteria upon which students will be evaluated is included on every course syllabus.

**A, A- (90–100)** indicates general excellence; the student displays initiative, independence and often originality in the course.

**B+, B, B- (80–89)** indicates an unquestioned grasp of the subject’s fundamental facts and principles, an understanding of their significance and an ability to use them effectively; work is logically organized and technically correct; the student often shows initiative and independent work.

**C+, C, C- (70–79)** indicates the student has a fairly accurate knowledge of the subject’s fundamental facts and principles and is able to apply them reasonably well; work is fairly logical in organization and technique but it is incomplete; there is evidence of growth in handling the coursework.

**D+, D, D- (60–69)** indicates work is of inferior quality yet deserving of credit; there is some acquaintance with basic facts and principles, but work is poorly organized and technically faulty; the student frequently fails to complete assignments.

**F (0–59)** indicates work shows no grasp of basic facts and principles and is not deserving of credit; it is poorly organized and technically faulty; the student frequently fails to complete assignments.



**S** indicates satisfactory completion of work done on a Satisfactory/Unsatisfactory basis; performance is at a C- level or better.

**U** indicates unsatisfactory completion of work done on a Satisfactory/Unsatisfactory basis and not deserving of credit; performance is at a D+ level or lower.

**INC** indicates incomplete work in a course because of illness or serious emergency beyond the student's control; students must arrange to finish assignments in accordance with the College's incomplete grade policy.

## Grade Appeal

Grade appeals of the final course grade must be filed in a timely manner. Students must contact the faculty member involved no later than the end of the first week of the semester following the filing of the disputed grade. If the issue is not satisfactorily resolved, the department chair must be contacted within 30 days of the beginning of the semester. Appeals to the Committee on Academic Standards and Policies must be initiated by the last day prior to midsemester recess of the semester following the filing of the disputed grade. A Final Grade Appeal, available in the registrar's office and online, must be completed and submitted with all required documents before the Committee considers the petition. A delay in the filing of a grade appeal constitutes sufficient reason for denial of the appeal by the Committee.

The Committee on Academic Standards and Policies will screen out frivolous or unsubstantiated appeals and will consider legitimate appeals that fall into the following categories:

- Miscalculation of a grade; or,
- Assignment of a grade to a particular student by application of more exacting requirements than were applied to other students in the same course.
- Assignment of a grade on some basis other than performance in the course.

All parties to the grade appeal (student, instructor, chairperson, registrar, committee members) are to maintain strict confidentiality until the matter is resolved.

## Grade Changes

Instructors have the right to change a grade if they have made an error in computing or recording a student's grade. Instructors must notify the registrar's office in writing of the error within three weeks after the grades have been issued. Grade changes due to a computational or recording error discovered after the deadline, and requests for grade changes for any other reasons, must be submitted by the instructor in writing to the Committee on Academic Standards and Policies.

## Final and Midterm Grades

Hood releases final and midterm grades electronically to the student and the student's adviser through Self-Service. Final and midterm grades will be forwarded to parents/guardians of first-year students who have signed a release form sent to them the summer before they enter Hood.

## Satisfactory/Unsatisfactory Grade Plan

Hood provides an alternate grade plan as a means of encouraging intellectual curiosity. Under the satisfactory/unsatisfactory option, students receive a grade of "S" and credit for work of "C-" caliber or better or a grade of "U" and no credit for work of "D+" or lower quality. Neither grade is computed in the cumulative grade point average.

### Limits/Restrictions:

- Students may not choose the S/U option for any course used to satisfy the Core, in the major field, the minor field or an independent study. If a course is only offered for S/U credit, this policy does not apply.
- Students may choose the S/U option for a maximum of 12 satisfactory/unsatisfactory credits within the total 124 credits Hood requires for graduation. Students spending three years at Hood may choose the S/U option for only 9 satisfactory/unsatisfactory credits to meet graduation requirements; two years, 6 credits; one year, 3 credits. Courses only offered for S/U credit are not counted in these totals.
- At registration, students indicate their intent to take a course on the satisfactory/unsatisfactory plan on the course and schedule card. Change from one grading plan to another must have the adviser's approval and must occur before the end of the drop/add period. No changes to or from the satisfactory/unsatisfactory grading system may be made after the drop/add period.
- Students are cautioned that some graduate and professional schools and employers look negatively at satisfactory/unsatisfactory on transcripts because actual performance or mastery of the subject has not been demonstrated.

## GRADE POINT AVERAGES (GPA)

The average that appears on all transcripts and grade reports is the average of all grades earned at Hood or through Hood affiliated semester or year abroad programs. Accepted transfer credit is included in the earned credit total and is applied toward the 124-credit degree requirement, but the quality hours and quality points earned at another institution are not calculated in the Hood average. Students participating in a non-Hood affiliated semester or year abroad/away will earn transfer credit for all courses completed with a grade of C- or above.

Each grade received at Hood on the A-F grading scale has a corresponding grade point: A=4.00; A-=3.67; B+=3.33; B=3.00; B-=2.67; C+=2.33; C=2.00; C-=1.67; D+=1.33; D=1.00; D-=0.67 and F=0.00.

Grades with no quality points include: AU, S, U, INC, Z, TR, W

By computing the quality points received for each letter grade, students can ascertain their average or grade point average. For example, a grade of "C" in a 3-credit course earns 6 quality points. Add the number of quality points earned in each course to learn the quality point total. Divide the quality point total by the total number of credits (in courses which have letter grades) and the result is the Grade Point Average (GPA).

### The Composite Grade Point Average

The composite Grade Point Average is the average of all college work attempted. All grades earned at Hood and those completed at other institutions are calculated, regardless of whether the course credit was accepted for transfer. The composite average is used to determine eligibility for various honor societies as well as determining Commencement honors.

### The Major Average

An academic department may refuse to accept as a major a student whose GPA falls under 2.0 in the discipline. The department may require a student who has declared a major to drop the major if the student's GPA falls below 2.0. *Note: GPA requirements may vary by major.*

## GRADUATION AND COMMENCEMENT PARTICIPATION

### GRADUATION

Students must take ultimate responsibility for academic planning—of each semester, of each academic year and of degree completion. The Self-Service Degree Progress Report provides all students and advisors with an accurate list of core and major requirements required for the degree. The registrar's office begins monitoring degree progress in the spring of the student's junior year. Students must meet with their faculty advisors on a regular basis to review degree requirements and plan senior year registrations. Seniors must complete the Application for Graduation in the fall of the senior year. Bachelor degrees are awarded in January, May and September.

### COMMENCEMENT PARTICIPATION

Students who have completed all degree requirements by the date grades are due for the second semester may participate in the May commencement.

Students graduating in January participate in the May commencement ceremony. Students completing degree requirements in September participate in the May ceremony the following year.

Students may not participate in commencement unless all degree requirements and all financial obligations to the College have been met.

### INCOMPLETE GRADE POLICY

When serious illness or emergency prevents a student from completing the work for a course, instructors may allow additional time to finish assignments. Incompletes are not substitutes for failure to attend classes or to complete assigned work. Forms can be found in the Office of the Registrar or online.

#### Limits/Restrictions:

1. The student must file an application for an incomplete grade with the registrar's office no later than the last day of classes.
2. An incomplete may not be granted unless a student has completed at least half the work of the course.
3. The student's progress in the course must be passing (D- or above) at the time the incomplete is requested.
4. The registrar must approve a notation of incomplete and record an INC on the student's permanent record. After the instructor assigns a grade, an "I" remains permanently on the record with the final grade earned beside it.
5. The date agreed upon for completion of all assignments may not be later than March 15 for fall semester and October 15 for spring or summer semester. Any request for extension of an incomplete grade must be submitted by the student to the Committee on Academic Standards and Policies.
6. Work not completed by the deadlines stated above will convert to a grade of zero unless an extension is approved by the Committee on Academic Standards and Policies.
7. Students who register for a subsequent semester with more than three credits of incomplete outstanding will have their schedules reviewed and their enrollment registration potentially restricted by the Committee on Academic Standards and Policies. As a result of this

review, the Committee may limit the course load that a student is permitted to undertake in the subsequent semester.

### INDEPENDENT STUDY AND X-CREDIT

Independent study includes directed readings; conferences with a supervising instructor; and papers, reports and/or exams. Two kinds of independent study are available at Hood: regular (designated by the course number 375) and X-credit.

**Regular independent study** consists of a project designed by a student and approved by a faculty adviser with whom the student will work closely during the semester. The number of credits may vary from 1 to 3 according to departmental policies and the design of the independent study. The subject chosen may not duplicate any course offered during the period of the student's enrollment at Hood. Registration procedures and deadlines for regular independent study are the same as for all departmental courses.

**X-credit independent study** also is designed by the student and approved by a faculty adviser. However, the subject matter must be related to a class in which the student is enrolled. X-credit independent study is, therefore, added to the student's schedule after the beginning of the semester (but no later than the sixth week) and is limited to one credit. The grade for the X-credit is independent of the grade for the course to which it is related.

Before registering for regular or X-credit independent study, students should refer to the statement on credit limits for self-directed study in Self-directed Study and Teaching Assistantships.

One credit of independent study requires approximately two hours of work per week plus periodic conferences with the advising faculty.

### INTERNSHIP PROGRAM

#### Requirements for 3- to 9-credit Internship

- Enrollment at Hood as a degree candidate (non-degree or non-matriculated students are ineligible for internships).
- A minimum 2.0 cumulative GPA and 2.5 GPA in the internship discipline.
- Completion of a minimum of 45 college-level credits prior to the beginning of the internship.
- Completion of at least 9 credits or three courses at the 200 level or above at Hood in the internship discipline. (See additional department requirements.)

#### Requirements for 12- to 15-credit Internship

- Enrollment at Hood as a degree candidate (non-degree or non-matriculated students are ineligible for internships).
- A minimum 2.0 cumulative GPA and 2.5 GPA in the internship discipline.
- Completion of 75 college-level credits prior to the beginning of the internship.
- Students may enroll for 15 credits during the spring or fall only. Students may enroll for a maximum of 12 credits of internship during the summer term. The number of credits available also varies by department.

*Note: Students may take a maximum of 15 internship credits throughout their academic career.*

### Applying for an Internship

Students considering an internship should visit the Center for Career Development and Experiential Education to explore internship options and pick up appropriate paperwork, including an Application, Learning Agreement, Student Waiver Form, and Time Sheet. Each of these documents will need appropriate signatures which includes a Career Development staff member, faculty advisor and internship site supervisor. Upon completion of the paperwork, the student must turn in all documents to the Center for Career Development and attend an orientation meeting with a Career Development staff member. The completed and signed time sheet should be turned into the Center for Career Development by the last day of classes for that semester.

### Internship Responsibilities

All parties have specific responsibilities for ensuring the integrity and success of the internship experience. Please refer to the Internship Handbook available on the Center for Career Development and Experiential Education website ([www.hood.edu/careercenter](http://www.hood.edu/careercenter)) for additional details.

### Supplemental Expenses and Time

In fulfilling the expectations of the internship, the intern may incur expenses in addition to the usual tuition and fees. Students who enroll in an internship must plan to provide their own transportation or use public transportation.

Due to the time requirements of an internship, students may need to work during breaks and holidays. Campus housing is available when the College is not in session. The completed and executed time sheet must be turned into the Center for Career Development by the last day of classes for that semester. Exceptions to this policy must be receive prior approval.

### Placement is not Guaranteed

Interns are not placed in sites and it is the student's responsibility to find a site. The Center for Career Development and Experiential Education and departmental offices provide many resources to the student to assist in locating a suitable internship.

### Termination of Internship

Under unusual circumstances, any party involved in the internship may terminate the agreement. Because the internship is essentially a professional commitment, Hood strongly encourages students to fulfill their obligations to complete the full term of service at the site. Unfortunately, on rare occasions, the intern or the faculty internship adviser may determine that the internship site is not an appropriate learning experience, or the internship site may determine that the intern is not a good fit for their internship. In either case, any of the parties may decide to terminate the internship. If this occurs, notify the Center for Career Development and Experiential Education immediately. *Please note: If an internship is terminated for any reason, the student is responsible for following all procedures regarding adding/dropping credits and is responsible for all tuition, fees and penalties associated with credit coursework.* Please refer to the Internship Handbook available on the Center for Career Development and Experiential Education website ([www.hood.edu/careercenter](http://www.hood.edu/careercenter)) for additional details.

### Time Requirements

A student must work a minimum of 40 hours at the internship site for each credit earned.

## LEAVE OF ABSENCE

Students who need to be away from the College for one or two semesters (excluding summer) but wish to maintain ties to the College and resume their studies at a later time, may take a leave of absence instead of withdrawing from the College. If your return is uncertain, or if you will be away for more than two consecutive semesters, you should submit a Withdrawal from the College form. Students who do not return from a leave of absence after two semesters will be withdrawn. Students who wish to request a leave of absence for the remainder of the currently enrolled term must receive written permission from the dean of students prior to the withdrawal deadline as set forth by the academic calendar.

Note: A leave of absence may affect loans. Students that are on an institutionally approved leave of absence are reported as withdrawn to the National Student Clearinghouse as of the date the leave began to signify they are not currently enrolled in classes. Please contact the Office of Financial Aid at [finaid@hood.edu](mailto:finaid@hood.edu) or 301-696-3411 for additional information.

Students do not file a leave of absence form in order to study abroad or at another institution in the United States. Instead, they must file a petition with the Office of the Registrar for approval to study elsewhere.

Leave of Absence Petition and Petition to Study Away or Abroad are available online: <https://www.hood.edu/offices-services/registrar-services-office/services-requests-forms/forms> and in the Office of the Registrar.

## REGISTRATION, DROP/ADD AND COURSE WITHDRAWAL

Advising and registration for degree candidates occurs in April for the fall semester and November for the spring semester. Matriculated students are required to meet with their advisers to select courses and review degree progress. The adviser authorizes the student for registration and, on the day indicated on the Academic Calendar, the student registers for classes via Self-Service.

### Cancellation of Courses

A fall or spring semester course is subject to cancellation when fewer than eight students are enrolled. Summer term classes are subject to cancellation when fewer than five students are enrolled.

The College reserves the right to cancel the course as late as the first day of classes each semester. Every effort will be made to work with students regarding program planning and placement in alternate courses that would be compatible with the cancelled course.

### Course Schedules

A credit hour usually represents one hour of class work and at least two to three hours of preparation in a given subject per week throughout the semester.

Classes usually meet on a Monday-Wednesday-Friday, Monday-Friday afternoon or a Tuesday-Thursday schedule. Except for lab sessions, 3-credit Monday-Wednesday-Friday classes generally convene for 50 minutes and Tuesday-Thursday classes for 75 minutes. Four-credit classes meet for a total of 200 minutes per week. Most evening classes meet once a week for 2-1/2 hours or twice a week for 75-minute periods.

Hood also has blocked courses, which are courses that meet for double periods during a portion of the semester. Blocked courses are primarily studio art and education courses in the teaching internship semester.

## Course Repeat Policy

A student may repeat a course under the following circumstances:

- Failure (F, U) in the course previously.
- Enrollment in a course on a credit basis after previously auditing the course.
- Course description states that a course may be repeated (e.g., MATH 335).
- Grade of “C-” or below has been initially earned in a 100- or 200-level course. Course may be repeated once.
- Failure to meet minimum grade required in a prerequisite course.
- All grades earned for a given course will remain on the academic record and, effective Fall 2017, the highest grade earned at Hood will be computed in the Grade Point Average. Credit will be awarded only once.
- Students may not repeat a course at Hood for which transfer credit has been awarded.

## Course Load Full-time and Part-time Status

Full-time status requires 12 credit hours or more per semester. A typical semester program consists of 15 or 16 credits except in the first year when it may be 12-15 credits.

Part-time status is accorded students taking 11.5 credit hours or fewer per semester.

Students are normally limited to 12 credits completed during the summer. Exceptions to this credit limit require permission of the Committee on Academic Standards and Policies.

### Limits/Restrictions:

- Enrollment in more than 18.5 credits in one semester requires a 3.0 cumulative average and permission from the Committee on Academic Standards and Policies. Enrollment in credits beyond 18.5 requires additional tuition for each hour or fraction above that number.
- A student may not enroll in two courses which meet at the same hour.

## Drop/Add Period

Students may drop or add courses without academic penalty from the time of registration through the end of the drop/add period. See the Academic Calendar (p. 4) for dates.

During this period students may also change to or from the SU (Satisfactory/Unsatisfactory) grading option, change to or from enrollment on an audit basis, or alter the number of credits in courses carrying variable credit.

## Course Withdrawal After Drop/Add

If a student withdraws from a course after the end of the drop/add period and before the end of the eleventh week of the semester a W (indicating withdrawal) will be noted on the transcript. This notation will not be computed in a student’s grade point average.

**A student may not withdraw from a class during the last four weeks of classes.**

## SELF-DIRECTED STUDY AND TEACHING ASSISTANTSHIPS

Hood defines self-directed study as: 1) regular and X-credit independent study; and 2) internships, field work and other courses similar to internships in that they do not have a classroom component.

- Students may take a maximum of 27 credits (excluding an honors paper) in self-directed study in the total 124-credit program. A combination of internships and independent study must not exceed 15 credits of internship or 12 credits of independent study.
- Students may take a maximum of 18 credits (excluding an honors paper) in self-directed study in the major program. A combination of internships and independent study must not exceed 15 credits of internship, 12 credits of independent study or more than 1/4 of the major program (whichever is less).
- Students may not add independent study credits to internships to fill a complete semester program. An exception to this rule is independent study that students take at the Washington Center for Learning Alternatives or through a similarly structured program.
- Independent study topics may not duplicate any course offered during the period of the student’s enrollment at Hood.
- Independent studies are granted to non-degree students under only exceptional circumstances.

## Teaching Assistantships

Many departments offer students the opportunity to serve as teaching assistants, for which academic credit is awarded. Serving as a teaching assistant affords a student the opportunity to understand the materials of a course or of a laboratory from the perspective of the teacher. The course number 335 designates this type of study.

### Limits/Restrictions:

- A total of 4 credits of Teaching Assistantship may be counted toward the degree. The course may be taken for 1-3 credits and may be repeated at the discretion of the department. Departments have the right to limit the number of credits granted per semester and may or may not allow students to repeat the course.
- As a general guideline, a student should work at least three hours per week for each credit granted in the assistantship. Grading is on a Satisfactory/Unsatisfactory basis.

## STUDENT INFORMATION, RECORDS AND TRANSCRIPTS

### Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) affords eligible students certain rights with respect to their education records. (An “eligible student” under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution at any age.) These rights include:

1. **The right to inspect and review** the student’s education records within 45 days after the day the Hood College receives a request for access. A student should submit to the Registrar a written request that identifies the record(s) the student wishes to inspect. The Registrar will make arrangements for access and notify the student of the time and place where the records may be inspected.

2. **The right to request the amendment** of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA. A student who wishes to ask the school to amend a record should write the Registrar, clearly identify the part of the record the student wants changed, and specify why it should be changed. If Hood College decides not to amend the record as requested, the College will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. **The right to provide written consent** before Hood discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent. Hood College discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official typically includes a person employed by the College in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of the College who performs an institutional service of function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing his or her tasks. A school official typically has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the College.
4. **The right to file a complaint** with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the office that administers FERPA is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, DC 20202.

As of January 3, 2012, the U.S. Department of Education's FERPA regulations expand the circumstances under which your education records and personally identifiable information (PII) contained in such records - including your Social Security Number, grades, or other private information - may be accessed without your consent. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local education authorities ("Federal and State Authorities") may allow access to your records and PII without your consent to any third party designated by a Federal or State Authority to evaluate a federal- or state-supported education program. The evaluation may relate to any program that is "principally engaged in the provision of education," such as early childhood education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to your education records and PII without your consent to researchers performing certain types of studies, in certain cases even when we object to or do not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive your PII, but the Authorities need not maintain direct control

over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without your consent PII from your education records, and they may track your participation in education and other programs by linking such PII to other personal information about you that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

#### **Disclosure of Directory Information**

Hood College may disclose any information deemed as Directory Information without prior consent unless notified in writing to the contrary. The following items are considered Directory Information and will be released in response to any inquiry, unless the student notifies the Registrar in writing that she/he does not wish this information released:

- Name
- Class level
- Enrollment status
- Date of birth
- Major
- Dates of attendance
- Name and dates of attendance at other institutions
- Degrees and dates awarded
- Honors and awards received

Students should carefully consider the consequences of withholding Directory Information as this hold would prevent the verification of attendance or degree awarded to all inquiries, including potential employers.

## **Transcripts**

*Please note we are unable to process requests for students with a financial aid, library, and/or accounting hold placed on the transcript. Please resolve the hold with the applicable department before placing a transcript order.*

Hood College has authorized the National Student Clearinghouse to provide transcript ordering. This service provides 24/7 access to ordering site; secure transactions; secure electronic transcript delivery worldwide; automatic order updates via mobile text alerts and email; and online order tracking.

All transcript orders may be placed via Self-Service (no log-in necessary) or [www.getmytranscript.com](http://www.getmytranscript.com).

## **TRANSFER POLICY AND ATTENDING OTHER INSTITUTIONS**

### **Transfer Policy**

The registrar evaluates prior college coursework and credit earned through alternative methods for applicability to degree requirements at Hood College. Credit is generally awarded for courses that are clearly applicable to a baccalaureate degree and for which the student earned a grade of C- or above. Courses that are clearly vocational or occupational in nature will not be accepted as credit towards the baccalaureate degree. A maximum of 62 credits may be awarded for freshman/sophomore (100-200 level) work completed elsewhere. Although there is no limit for junior/senior (300-400 level) coursework, students will be awarded no more than a total of 94 credits for all college-level work completed.

Courses taken on a quarter credit system will be converted to semester hours of credit by multiplying the number of quarter hours by 0.67 to determine the semester hour equivalent.

The transferability of credits from an institution that is not accredited by a regional accreditation agency may be considered upon receipt of documentation that demonstrates equivalency regarding course information, equivalencies and learning outcomes. It is the student's responsibility to provide this documentation.

The final 30 hours of the degree must be taken on the Hood campus (see Undergraduate Degree Requirements). In addition, the College requires transfer students to take a minimum of 12 credits of classroom instruction in the major discipline at Hood, regardless of the number accepted in transfer. Transfer students should submit their transcripts to the Office of Admission or Office of the Registrar prior to enrollment. Timely submission of these documents will ensure accuracy of degree progression and remaining requirements for the Hood degree.

All grades earned at Hood and those completed at other institutions, including repeated courses, are calculated in the composite grade point average, regardless of whether the course credit was accepted for transfer. The composite average is used to determine eligibility for various honor societies as well as determining Commencement honors.

#### **Frederick County Public Schools High School Articulation Agreement**

Hood College has agreed to grant college credits to students completing certain courses at a Frederick County high school. To be eligible, students must be admitted to Hood, have earned a grade of "B" or higher in the course, and have submitted an official high school transcript. The student must initiate the request for credit within two years of graduation from high school.

#### **Transfer Articulation Agreements**

Hood participates in the ARTSYS articulation program, which allows students and advisors to determine the transferability of each community college course. The ARTSYS program also outlines the recommended transfer courses for specific programs of study. In addition, Hood recognizes the associate of arts, associate of arts in teaching, and associate of science degrees of every community college in Maryland. Hood has established enrollment agreements with specific community and junior colleges, identifying particular benefits offered to students who transfer from those institutions.

#### **Degree Students Attending Other Institutions**

Students may receive credit for coursework completed with a grade of C- or above at another accredited institution during the academic year or the summer with prior approval of the department and the registrar. Students must petition to take a course from another college during any semester or session. The course may not be offered at Hood during that semester/session. The maximum number of credits that can be taken during the summer is one credit more than the number of weeks in the session for a maximum of 12 credits.

Transfer Course Permission forms are available in the Office of the Registrar and online.

#### **Community College Exchange**

Full-time Hood students may take one course each semester at Carroll Community College (CCC) or Hagerstown Community College (HCC)

without charge, provided that the course chosen is not offered at Hood during the academic year. CCC also offers the exchange to Hood students during their summer sessions. To register, students obtain the consent of their advisers and the Hood registrar. The registrar will provide a statement of enrollment for registration at CCC or HCC.

Transfer Course Permission forms are available in the Office of the Registrar and online.

## **Transfer of Non-Traditional Credit**

Hood awards up to 30 credits for prior learning through Advanced Placement exams (AP), College-Level Examination Program exams (CLEP), Defense Activity for Nontraditional Education Support (DANTES) exams, departmental challenge exams, International Baccalaureate, GCE/General Certificate of Education A-Level and AS exams, and military training and non-collegiate programs approved by the American Council on Education. These alternative modes of learning are evaluated separately from transcripts of traditional transfer credit from other accredited schools.

#### **Limits/Restrictions:**

- Credit for prior learning is awarded only to students admitted as degree candidates.
- A maximum of 30 hours of credit may be earned through any combination of prior learning credits and Hood courses elected on the Satisfactory/Unsatisfactory basis.
- Students may not receive credit by examination for any course that they have previously audited, failed, received credit or from which they have withdrawn.
- Credit through examination may not be attempted during the final 15 hours of credit.
- Credit through examination may not count in the minimum of 30 Hood credits required for the degree.
- The requirement of 12 credits of coursework at Hood in the major cannot be fulfilled through credit by examination.

#### **Advanced Placement**

Unless otherwise noted, Hood College awards credit upon receipt of the official AP Grade Report for AP scores of 4 or 5 for the following tests:

#### **Art:**

Art History, 3 credits for ART 220 and exemption for ART 221  
 Studio Art-Drawing, 3 credits for ARTS 123 (score of 3 is acceptable)  
 Studio Art-2D or 3D, 3 credits for ARTS 101 (score of 3 is acceptable)

#### **Biology:**

Biology, 4 credits for BIOL 110-139 with a score of 4 or 5

#### **Chemistry:**

Chemistry, 4 credits for CHEM 101 with a score of 4; 8 credits for CHEM 101 and CHEM 102 with a score of 5.

#### **Computer Science:**

Computer Science Test A, 3 credits for CS 201  
 Computer Science Test AB, 3 credits for CS 202  
 Computer Science Principles, 3 credits, no Hood equivalent

#### **Economics:**

Macroeconomics, 3 credits for ECON 205

Microeconomics, 3 credits for ECON 206

**English:**

English Language/Composition, 3 credits for ENGL 101

English Literature/Composition, 3 credits for ENGL 221

**Environmental Science and Policy:**

Environmental Science, 3 credits for ENSP 101 for score of 5

**Foreign Languages:**

Chinese Language and Culture, 3 credits, No Hood equivalency

French Language and Culture, 3 credits, No Hood equivalency

German Language and Culture, 3 credits, No Hood equivalency

Italian Language and Culture, 3 credits, No Hood equivalency

Japanese Language and Culture, 3 credits, No Hood equivalency

Latin, 3 credits, No Hood equivalency

Spanish Language and Culture, 3 credits, No Hood equivalency

**Geography:**

Human Geography, 3 credits for GEOG 101

**History:**

European History, 3 credits, no Hood equivalent

United States History, 3 credits for HIST 218

World History, 3 credits for HIST 266

**Mathematics:**

Calculus AB, 3 credits for MATH 201

Calculus BC, 3 credits each for MATH 201, MATH 202

Calculus BC/AB Subscore of 4 or 5, 3 credits for MATH 201

Statistics, 3 credits for MATH 213

**Music:**

Music Theory, 3 credits for MUSC 101

**Physics:**

Physics 1, 4 credits for PHYS 101 with score of 4

Physics 2, 4 credits for PHYS 102 with a score of 4

Physics C-Mechanics, 4 credits for PHYS 203 with a score of 4

Physics C-Electricity/Magnetism, 4 credits for PHYS 204 with a score of 4

**Political Science:**

Comparative Government, 3 credits for PSCI 210

United States Government, 3 credits for PSCI 203

**Psychology:**

Psychology, 3 credits for PSY 101

**CLEP**

Unless otherwise noted, Hood College awards credit for scores of 50 on the following CLEP examinations:

**Biology:**

Biology, 4 credits for BIOL 110-139 for score of 52

**Business Administration:**

Principles of Management, 3 credits for MGMT 205

Principles of Accounting, 6 credits for MGMT 281, MGMT 284

**Economics:**

Principles of Macroeconomics, 3 credits for ECON 205

Principles of Microeconomics, 3 credits for ECON 206

**Education:**

Human Growth and Development, 3 credits for EDUC 223 for score of 52. Students who transfer credit for a similar human growth and development course must take the departmental test to qualify for courses for which EDUC 223 is a prerequisite. No additional credit is earned for this test.

**English:**

American Literature, 3 credits for ENGL 223

English Literature, 3 credits for ENGL 222

**History:**

History of the United States I, 3 credits for HIST 217

History of the United States II, 3 credits for HIST 218

**Mathematics:**

Calculus, 6 credits. No Hood equivalency

Precalculus, 3 credits for MATH 120

**Political Science:**

American Government, 3 credits for PSCI 203

**Psychology:**

Human Growth and Development, 3 credits for PSY 237

Introductory Psychology, 3 credits for PSY 101

**Sociology:**

Introductory Sociology, 3 credits for SOC 101 with a score of 52

**DANTES**

Hood awards credit for the following DANTES examinations:

Geography 101

History - No Hood course equivalency

History 234

Mathematics 112

Religion - No Hood course equivalency

**Departmental Examinations**

\$200 per test for Hood students; administered through The Josephine Steiner Center for Academic Achievement and Retention 301-696-3569.

**Departmental examinations may not be repeated. Credit is awarded for grades of A, B or C on the following departmental examinations:**

CHEM 101 – 3 lecture credits; may be used to fulfill Non-laboratory area of the Core

CHEM 102 – 3 lecture credits; may be used to fulfill Non-laboratory area of the Core

IT 180 – 3 credits

MATH 120 – 3 credits

MATH 201 – 3 credits if Level III has been earned on the BSI

MATH 202 – 3 credits (test available only to students who have earned credit for or completed MATH 201)

MATH 207 – 3 credits if Level III has been earned on the BSI

MATH 253 – 3 credits

MUSC 103 – 3 elective credits

PHIL 207 – 3 credits

PE 225 – 3 credits

PHYS 101, PHYS 102 (p. 171) –3 lecture credits each; may be used to fulfill Non-laboratory area of the Core

PHYS 203, PHYS 204 (p. 172)–3 lecture credits each; may be used to fulfill Non-laboratory area of the Core

### Foreign Language Placement Examinations:

*Additional credit is awarded at the end of the first semester with grades of A, B or C earned for the following placements:*

**3 credits** – Placement in and completion of a 201-level French, German, or Spanish course during first semester at Hood; no credit for students awarded credit for AP/Foreign Language

**6 credits** – Placement in and completion of 203 or civilization course in French, German or Spanish during first semester at Hood; 3 credits for students awarded credit for AP/Foreign Language

**9 credits** – Placement in and completion of 207 or a 300-level French, German or Spanish course during first semester at Hood; 6 credits for students awarded credit for AP/Foreign Language

### GCE General Certificate of Education ALevel

Upon receipt of the official Edexcel transcript, Hood will award 6 to 8 credits for each passing score on an Advanced Level examination and 3 to 4 credits for each passing score on an Advanced Subsidiary examination.

### International Baccalaureate

Credit is awarded only upon receipt of the official IB transcript. Students who have received an IB diploma, with a score of 30 or higher and with no score less than 4 in any one of the six examination groups, may be awarded up to 30 credits toward an undergraduate degree at Hood College. Students who have not completed the full IB diploma will receive credit on a case-by-case basis for Higher Level examination results of 5, 6 or 7.

### Military Experience

Hood recognizes the unique nature of the military lifestyle and has committed itself to easing the transfer of relevant course credits and crediting learning from appropriate military training and experiences. Students need to provide a copy of their DD214 and/or ACE/AARTS transcripts. One credit in physical education is awarded for military basic training. First aid certification will receive elective credit for PE 214.

### Teacher Academy of Maryland

EDUC 204, 3 credits awarded to students who have successfully completed all requirements of the Teacher Academy of Maryland

## WITHDRAWAL FROM THE COLLEGE

A student may withdraw from the College at any time during the semester. See *Tuition and Financial Aid* (p. 29) for refund information. If the withdrawal occurs after the drop/add period, a grade of W will be recorded for each course.

Withdrawal forms can be found in the registrar's office or online.

## Reinstatement after Withdrawal

Students in good academic standing at the time of withdrawal and with no holds on future registration are eligible for reinstatement to the College. Reinstatement requests must be sent to the Registrar, indicating: the year and semester of return; if the student will return as a full or part-time

student and as a resident or commuter. If accepted, the returning student will enter under the catalog in place at the time of readmission for their major. Forms are available in the Office of the Registrar and online.

## UNDERGRADUATE MAJORS

### Majors

Concentrations within a major are listed below the major.

*\*Secondary education certification is available in majors followed by an asterisk (\*). PreK-12 education certification is available for art education, French and Spanish.*

### Bachelor of Arts

Accounting (p. 56)

Arabic and Middle Eastern Studies (p. 57)

Art and Archaeology (p. 17)

archaeology (p. 57)

art education (preK-12) (p. 58)

art history (p. 58)

studio arts (p. 59)

Biochemistry (p. 60)

Biology\* (p. 61)

Business Administration (p. 63)

accounting (p. 63)

finance (p. 63)

human resource management (p. 63)

individual career interest (p. 63)

international economics and finance (p. 63)

marketing (p. 63)

Chemistry\* (p. 65)

Communication Arts (p. 66)

Early Childhood Education (p. 69)

Economics (p. 67)

Elementary/Special Education (p. 70)

English\* (p. 72)

creative writing (p. 72)

drama and theatre (p. 73)

literature (p. 73)

Environmental Science and Policy (p. 74)

coastal and watershed studies (p. 74)

environmental biology (p. 74)

environmental chemistry (p. 74)

environmental policy (p. 74)

French\* (p. 75)

Global Studies (p. 76)

History\* (p. 77)

public history (p. 77)

Integrated Marketing Communication (p. 79)

Law and Criminal Justice (p. 79)



Mathematics\* (p. 80)

Music (p. 23)

music history and literature (p. 80)

music performance (p. 81)

piano pedagogy (p. 81)

Philosophy (p. 82)

Political Science (p. 83)

Public Health (p. 85)

Psychology (p. 84)

Social Work (p. 85)

Sociology (p. 86)

Spanish: Iberian and Latin American Cultural Studies\* (p. 87)

### Bachelor of Science

Computer Science (p. 67)

Nursing (p. 82)

Pre-Professional Preparation

Pre-Dental Studies (p. 83)

Pre-Law Studies (p. 83)

Pre-Medical Studies (p. 83)

Pre-Veterinary Studies (p. 83)

### The Single Major

Students enrolled in one major specialize in one of the fields Hood offers. Declaration of major is made during the spring of the sophomore year. An academic department may refuse to accept as a major, or may drop as a major, a student whose Grade Point Average in the discipline falls below 2.0.

### The Double Major

As a double major, the student specializes in two of the fields Hood offers. At least one of these fields must be declared during the spring of the sophomore year. Students must identify the second major in the same manner during the spring of the junior year. Students should consult the appropriate department chairperson for assignment to a second adviser in the second major.

Double majors must meet the major requirements of both departments.

The courses may count for requirements in both majors, but the credits can only count toward one major.

Students must confer with both advisers prior to each registration. In programs where there is great overlapping of requirements, a student may not double major.

Students who double major in different degree areas (e.g., Bachelor of Arts and Bachelor of Science) must confer with their advisers and the registrar's office to determine which degree will be awarded. Unlike the double degree, which requires a minimum of 154 credits, students complete a minimum of 124 credits for the double major and earn one degree.

### The Interdepartmental Major

The purpose of the major is to allow students with superior achievement to use the existing courses, curriculums and programs to structure an

individualized program of studies with the guidance and assistance of a program advisory committee.

Working with the Program Advisory Committee, consisting of faculty members from the represented disciplines, the student submits a petition of interdepartmental major requirements no later than March 15 of the sophomore year to the Committee on Academic Standards and Policies for consideration. Transfer students with first-semester junior status must submit petitions no later than October 15 or March 15 of the first semester on campus.

To graduate as an interdepartmental major with an individually designed program, a student must have at least 15 credits in one of the areas represented in the major and at least 12 credits in another field for a total of at least 30 credits, 15 of which must be at the 300- or 400-level. A 300- or 400-level capstone course is required. Approval is necessary before the student implements the program. The individualized program is a contract and, as such, is binding.

Students may count toward the major only those courses which are included in the program outline. (Courses within the disciplines contained in the interdepartmental major, but not included in the program outline, are considered electives.)

If a student wishes to revise the approved program, the primary adviser will assist and the Program Advisory Committee must approve the amended outline by majority vote. Any amendments must be submitted to the Committee on Academic Standards and Policies for approval.

However, no significant changes will be permitted if the student is within 36 semester hours of graduation.

## ACCOUNTING MAJOR, B.A.

### REQUIREMENTS FOR THE MAJOR

#### Business Administration Core (24 credits):

MGMT 205	Principles of Management: Introduction to Organizations	3.0
MGMT 306	Principles of Marketing	3.0
MGMT 312	Analytical Methods of Management	3.0
MGMT 314	International Business	3.0
MGMT 411	Seminar in Strategic Management	3.0
MGMT 454	Legal Environment of Business	3.0
ECMG 303	Principles of Finance & Investment	3.0
ITMG 388	Management Information Systems	3.0

*NOTE: MGMT 312, MGMT 314, MGMT 411, ECMG 303, ITMG 388 must be taken at Hood.*

#### Support Core (12 credits):

ECON 205	Principles of Macroeconomics	3.0
ECON 206	Principles of Microeconomics	3.0
MATH 112	Applied Statistics	3.0
	or	
ECMG 212	Statistics for Economics & Management	3.0
PHIL 220	Professional Ethics	3.0
	or	
PHIL 221	Ethics	3.0

#### Accounting Courses (24 credits):

MGMT 281	Principles of Financial Accounting	3.0
MGMT 284	Principles of Managerial Accounting	3.0
MGMT 321	Intermediate Accounting I	3.0
MGMT 322	Intermediate Accounting II	3.0
MGMT 331	Auditing	3.0
MGMT 432	Advanced Accounting	3.0
MGMT 433	Cost Accounting	3.0

MGMT 434	Federal Tax Accounting	3.0
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*NOTE: MGMT 321, MGMT 322, MGMT 331, MGMT 432, MGMT 434 must be taken at Hood.*

**Accounting Practice (3 credits):**

MGMT 399	Internship in Management	3.0
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**Strongly Recommended Courses (9 credits):**

For students who aspire to go to the graduate school and/or sit for professional certification exams such as the CPA or CMA, we would strongly recommend the following three courses:

CMA 306	Business Writing in the Digital Age	3.0
ECON 309	Monetary Policy & Financial Markets	3.0
MATH 201	Calculus I	4.0

**ARABIC AND MIDDLE EASTERN STUDIES MAJOR, B.A.**

**Director:** Donald Wright

The Arabic and Middle Eastern Studies major is a multidisciplinary program that is unique in nature for a liberal arts college. It focuses on history, cultural, language and political thought. Students interested in democracy and culture, human rights, international affairs, literature and languages, and wish to explore from different perspectives the diverse region of the Middle East, should consider this academic program. The primary focus of the program is to prepare students, through their contacts with faculty members from various disciplines, to lead the world of tomorrow through the political and cultural tensions of today. Students who choose to study the Middle East will graduate with a well-rounded and excellent knowledge of all aspects of the region. The study of Arabic is essential to the field; students will finish with a good knowledge of the language to be able to pursue further study at The American University in Cairo.

Given the proximity to the Washington, D.C., area, many students have internships at various associations, centers and organizations dedicated to the region. Students who are interested in issues involving the Middle East may consider working in outreach programs in Maryland or Washington, D.C. The Arabic and Middle Eastern studies program sponsors many events and invites writers, activists, policy makers and film critics to enhance the knowledge and experience of the students in the program. A number of grants are available for students who intend to undertake research projects in the Middle East. Students have the opportunity to study one year or one semester at The American University in Cairo, the foremost institution in the Middle East for Arabic and Middle Eastern Studies. Students will be prepared to work at international, governmental and private organizations dealing with the region or to continue graduate studies in the field.

**REQUIREMENTS FOR THE MAJOR**

**All majors must take the following courses:**

ARAB 101	Elementary Arabic I	4.0
ARAB 102	Elementary Arabic II	4.0
ARAB 201	Intermediate Arabic I	3.0
ARAB 202	Intermediate Arabic II	3.0
MEST 300	Cultures of the Middle East	3.0
	or	
GLBS 301	Human Migrations: Refugees and IDPs	3.0

**In addition, students take a minimum of 15 credits from the following, at least 12 of which must be at the 300- level:**

(Some may be fulfilled during a semester or a year of study abroad.)

ANTH 302	Cultural Anthropology	3.0
ARAB 203	Arabic Conversation & Composition	3.0
ART 319/HON 319	Orientalism & Egyptomania: Rediscovering & Remaking the Ancient Middle East	3.0
ARRL 330	Archaeology of Ancient Israel	3.0
ART 349	Art of Egypt and Mesopotamia	3.0
HIST 309	Islam & the Crusades	3.0
PSCI 200	Political Violence and Terrorism	3.0
PSCI 210	Comparative Politics	3.0
PSCI 215	International Relations	3.0
PSCI 302	9/11 in Global Perspective	3.0
PSCI 305	U.S. Foreign Policy	3.0
PSCI 323	Politics of the Developing World	3.0
SOC 318	Global Social Problems	3.0

**ART AND ARCHAEOLOGY MAJOR WITH ARCHAEOLOGY CONCENTRATION, B.A.**

The art and archaeology major with a concentration in archaeology introduces students to the art, artifacts and cultures of the ancient world, as well as the theories and field methods of archaeologists today. Hood students regularly participate in excavations in the U.S. and around the world, most recently at sites in Italy, Turkey, Mexico and England. U.S. sites include battlefields and historical sites in Pennsylvania, Maryland and Virginia. We also encourage students to seek internship opportunities locally and worldwide, as hands-on experience is vital to future studies and employment in archaeology.

Students who plan to earn an advanced degree in art history or archaeology should take French or German in preparation for graduate school. The department strongly suggests that majors spend a semester or year abroad.

**REQUIREMENTS FOR THE MAJOR**

**Required courses:**

ART 220	History of Art I	3.0
ART 306	Writing for Art and Archaeology	3.0
ART 312	Archaeology: Cultures, Technologies, Methods and Theories	3.0
ART 370	Archaeological Fieldwork	3.0
	or	
ART 380	Archaeological Laboratory Analysis	3.0
	or	
ART 399	Internship in Art	3.0 - 15.0
ART 399C	Archaeological Internship & Fieldwork Colloquium	1.0
ART 470	Seminar: Topics in Art History & Archaeology	3.0

**Two of the following:**

ART 231	Archaeology of Native North America	3.0
ARRL 330	Archaeology of Ancient Israel	3.0
ART 332	Aegean Archaeology	3.0
ART 340	Art of Prehistory	3.0
ART 349	Art of Egypt and Mesopotamia	3.0
ART 350	Classical Art and Archaeology	3.0
ARLS 354	Mesoamerican Art and Archaeology	3.0
ART 469	Advanced Topics in Archaeology	3.0

**Three of the following; at least one must be outside the Art and Archaeology Department:**

ART 201	Meaning & Method in Art	3.0
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ART 250	Art of Asia	3.0
ART 331	Museums, Sites and Cities	3.0
ARTS 203	Ceramics Handbuilding	3.0
ARTS 211	Digital Photography	3.0
ARTS 243	Ceramic Wheel	3.0
ANTH 201	Introduction to Anthropology	3.0
ANTH 302	Cultural Anthropology	3.0
CL 202	Mythology	3.0
CL 302	Classical Mythology	3.0
HIST 365	The Ancient Near East and Greece	3.0
HIST 366	Ancient Rome	3.0
PLRL 205	Classical Religion & Philosophy	3.0

Subtotal: 31.0-43.0

## **ART AND ARCHAEOLOGY MAJOR WITH ART EDUCATION CONCENTRATION (PRE K-12), B.A.**

Students who wish to teach art at the preK-12 level should plan to major in Art and Archaeology with an art education concentration. Students in this concentration receive a strong training in traditional studio media, including design, drawing, painting, photography, ceramics and printmaking, as well as in digital media and art history. Students who successfully complete this concentration will receive certification to teach in Maryland upon graduation, as well as reciprocity for teaching in certain other states.

The art education concentration develops broad-based knowledge and skills in the studio arts. Required courses in photography and digital arts will introduce students to the uses of technology in the arts. Courses in art history provide students with a solid grounding in the history and cultural contexts of the visual arts. An internship (i.e., a student teaching semester) will culminate teacher preparation. More information about the secondary education requirements is available in the Department of Education listings.

### **REQUIREMENTS FOR THE MAJOR**

#### **Foundation courses**

ARTS 101	Design	4.0
ARTS 123	Drawing I	3.0
ART 201	Meaning & Method in Art	3.0
ARTS 224	Drawing II	3.0
ART 220	History of Art I	3.0
ART 221	History of Art II	3.0

#### **Second level courses**

ARTS 203	Ceramics Handbuilding or	3.0
ARTS 243	Ceramic Wheel	3.0
ARTS 211	Digital Photography or	3.0
ARTS 214	Darkroom Photography	3.0
ARTS 226	Digital Arts	3.0
ARTS 234	Relief Printmaking I or	3.0
ARTS 235	Monotype Printmaking I	3.0
ARTS 237	Painting I	3.0

#### **Upper-level requirements**

ART 306	Writing for Art and Archaeology	3.0
ARTS 304	Ceramics:Sculpture/Handbuilding or	3.0

ARTS 311	Photography II or	3.0
ARTS 314	Relief Printmaking II or	3.0
ARTS 315	Monotype Printmaking II or	3.0
ARCA 322	Photojournalism or	3.0
ARTS 343	Intermediate Wheel	3.0
ARTS 338	Painting II One additional 300-level or above art history course (ART) One additional 300 level studio course in any medium (ARTS)	3.0 3.0 3.0

In addition, students must meet the requirements specified under *Education, Secondary Education Certification*.

Subtotal: 49.0

## **ART AND ARCHAEOLOGY MAJOR WITH ART HISTORY CONCENTRATION, B.A.**

The art and archaeology major with art history concentration introduces students to significant works of painting, sculpture and architecture, and helps them develop creativity, critical judgment and historical awareness. The major stresses art history, which places works of art in their historical, cultural and artistic contexts. It also offers the student experience in the concepts, methods and materials of archaeology and the history of film. Studio art, providing direct experience with design, drawing, painting and other media, enriches the student's understanding of the creative process and is also an important component of the curriculum. Course work in studio art, as well as in art history and chemistry, is also essential for students considering a career in conservation.

For art majors, Hood's location near Washington, D.C., and Baltimore is especially valuable. Field trips to the National Gallery of Art, the Smithsonian, the Hirshhorn Museum and Sculpture Garden, Dumbarton Oaks, the Walters Art Museum and other collections allow students to study major works of art firsthand. Internships are available with most of these museums and with advertising agencies, design studios and cultural institutions such as the Library of Congress and the National Trust for Historic Preservation. In Hood's Hodson and Whitaker Art Galleries, students may participate in the planning and installation of exhibitions by serving as gallery assistants in ART 300.

The concentration offers students a broad perspective on themes fundamental to the humanities. It also prepares students to pursue careers in museums, galleries and other cultural institutions, and provides a basis for graduate work in art history, museum studies, conservation, archaeology and other fields. Students are encouraged to take related courses in history, literature, foreign languages, music, religion and philosophy. Those who plan to earn an advanced degree in art history or archaeology should take French or German in preparation for graduate school. The department strongly suggests that majors spend a semester or year abroad.

### **REQUIREMENTS FOR THE MAJOR**

#### **The following are required:**

ART 220	History of Art I	3.0
ART 221	History of Art II	3.0
ART 306	Writing for Art and Archaeology	3.0

ART 470	Seminar: Topics in Art History & Archaeology	3.0
ARTS 101	Design	4.0
	One additional course in studio art (ARTS)	3.0
	Four additional courses in art history (ART)	12.0

NOTE: Three of the four additional courses in art history must be at the 300-level or above and cannot include the following: ART 300, ART 335, ART 370 and ART 399.  
Subtotal: 31.0

## **ART AND ARCHAEOLOGY MAJOR WITH STUDIO ART CONCENTRATION, B.A.**

The studio art concentration provides academic preparation for students planning to pursue professional careers in the visual arts, teaching, community art programs, museums, galleries and other cultural institutions. The study of studio art is important for students interested in art therapy. Students planning careers in art therapy should take a minimum of 15 credits in studio art and 15 credits in psychology in preparation for graduate school. Students will gain broad-based knowledge and skills in design, drawing, painting, photography, printmaking and ceramic art. A major in studio arts will provide educational opportunities to develop an understanding of movements and concepts in art, the ability to analyze formal design issues and apply accurate terminology to that analysis, the ability to express personal visual aesthetics inherent in a body of work, the ability to communicate their aesthetic intentions verbally and in written form, and the skills to create a body of work and present their capstone exhibition to the public in either the Hood College Whitaker or Hodson Art Galleries. The studio art concentration provides educational opportunities that both strengthen the analytical and creative thinking skills needed for diverse careers and give students experience in personal aesthetic expression.

### **REQUIREMENTS FOR THE MAJOR**

**The following are required:**

ARTS 101	Design	4.0
ARTS 123	Drawing I	3.0
ART 220	History of Art I	3.0
ART 221	History of Art II	3.0
ART 300	Gallery Management	2.0
ART 306	Writing for Art and Archaeology	3.0
ART 361	Twentieth Century Art	3.0
ARTS 469	The Business of Art	2.0
ARTS 470	Senior Seminar	3.0

**In addition, students are required to complete:**

9 credits in one medium, including two 300- or 400-level courses, from the following selection of studio art courses:

ARTS 203	Ceramics Handbuilding	3.0
ARTS 211	Digital Photography	3.0
ARTS 224	Drawing II	3.0
ARTS 226	Digital Arts	3.0
ARTS 234	Relief Printmaking I	3.0
ARTS 235	Monotype Printmaking I	3.0
ARTS 237	Painting I	3.0
ARTS 243	Ceramic Wheel	3.0
ARTS 304	Ceramics:Sculpture/Handbuilding	3.0
ARTS 311	Photography II	3.0
ARTS 312	Photography III	3.0
ARTS 314	Relief Printmaking II	3.0
ARTS 315	Monotype Printmaking II	3.0

ARTS 316	Selected Topics in Studio Art	3.0
ARCA 322	Photojournalism	3.0
ARTS 324	Drawing III	3.0
ARTS 330	Skills for Surviving in Drawing & Painting	3.0
ARTS 334	Advanced Printmaking	3.0
ARTS 338	Painting II	3.0
ARTS 339	Painting III	3.0
ARTS 343	Intermediate Wheel	3.0
ARTS 344	Drawing IV	3.0
ARTS 345	Ceramic Sculpture	3.0
ARTS 375	Independent Study	1.0 - 3.0
ARTS 498	Advanced Topics in Studio Art	3.0

**Additional Medium**

One additional 3-credit studio course (ARTS) outside the focus medium	3.0
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Subtotal: 38.0

## **ART THERAPY, B.A.**

**Directors:** Gary Cuddington, Atiya Smith

Art Therapy is a human-service profession that engages clients in using art media (drawings, paintings, sculpture, or other forms of artwork), as opposed to dominant verbal-based forms of therapy, as the key component to mental, physical, and emotional healing. Art therapists work in hospitals, rehabilitation centers, community mental health centers, senior communities, in- and out-patient settings, schools and daycares, correctional facilities, hospices, and shelters. Common populations include children with disabilities, adults suffering from chronic stress or depression, patients with brain injuries, or individuals who are suffering from a traumatic event. The Art Therapy major prepares undergraduate students for both the Master's degree and licensure in Art Therapy, while remaining within the liberal arts through a combination of humanities and social science offerings.

### **REQUIREMENTS FOR THE MAJOR**

**Art/Studio Art**

ART 220	History of Art I	3.0
ART 308	Myths, Saints and Symbols	3.0
	OR	
ART 340	Art of Prehistory	3.0
ARTS 101	Design	4.0
ARTS 123	Drawing I	3.0
	EITHER	
ARTS 203	Ceramics Handbuilding	3.0
	AND	
ARTS 304	Ceramics:Sculpture/Handbuilding	3.0
	OR	
ARTS 243	Ceramic Wheel	3.0
	AND	
ARTS 343	Intermediate Wheel	3.0
	EITHER	
ARTS 224	Drawing II	3.0
ARTS 237	Painting I	3.0
ARTS 338	Painting II	3.0
ARTS 370	Portfolio Creation	1.0

**Psychology**

PSY 101	Introduction to Psychology	3.0
PSY 211	Elementary Statistics	3.0
PSY 239	Developmental Psychology	3.0
PSY 312	Research Methods I	4.0
PSY 370A	Seminar: Introduction to Counseling	3.0
PSY 401	Theories of Personality	3.0
PSY 431	Abnormal Psychology	3.0

**Art Therapy**

ARTT 301	Art Therapy I	3.0
ARTT 302	Art Therapy II	3.0
ART 399	Internship in Art	3.0 - 15.0
	OR	
PSY 399	Internship	3.0 - 12.0

**BIOCHEMISTRY MAJOR, B.A.**

The biochemistry major is a broadly based program built upon a foundation of chemistry and biology that is strengthened by the study of physics and mathematics. Central to this coursework is experience with modern instrumentation and techniques. This major, combined with Hood's Core Curriculum, provides students with the educational background that will allow them to pursue post-baccalaureate studies in chemistry, biology, biochemistry or the health professions. It also prepares them for employment in a wide variety of careers ranging from biotechnology to biomedical sciences. Most students take advantage of research and internship opportunities available on campus or at many biomedical and biotechnology laboratories in the Frederick-Baltimore-Washington, D.C., area.

**REQUIREMENTS FOR THE MAJOR****Required:**

CHEM 101	General Chemistry I	4.0
CHEM 102	General Chemistry II	4.0
CHEM 209	Organic Chemistry I	4.0
CHEM 210	Organic Chemistry II	4.0
CHEM 215	Quantitative Analysis	4.0
CHEM 270/PHYS 270	Physical Science Literature	3.0
CHEM 301	Biological Chemistry I	4.0
CHEM 402	Biological Chemistry II	3.0
CHEM 403	Biological Chemistry Lab Techniques	1.0
CHEM 431/PHYS 431	Quantum Mechanics	3.0
CHEM 433/PHYS 433	Quantum Mechanics Laboratory	1.0
BIOL 110-129	Biological Inquiry	4.0
BIOL 203	Introduction to Cell Biology & Genetics	4.0
BIOL 331	Microbiology	4.0
BIOL 339	Cell Biology	4.0
MATH 201	Calculus I	4.0
MATH 202	Calculus II	4.0
PHYS 101	General Physics and	4.0
PHYS 102	General Physics or	4.0
PHYS 203	Introductory Physics I and	4.0
PHYS 204	Introductory Physics II	4.0
<b>Recommended Courses</b>		
CHEM 324	Instrumental Methods of Analysis	4.0
CHEM 410/CHEM 510	Advanced Organic Chemistry	3.0
CHEM 432/PHYS 432	Thermodynamics & Statistical Mechanics	3.0
CHEM 434/PHYS 434	Thermodynamics & Statistical Mechanics Laboratory	1.0
BIOL 316	Genetics	4.0

BIOL 424/BMS 524	Molecular Biology of Eukaryotic Cells	3.0
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**CURRICULAR DIRECTIONS IN BIOCHEMISTRY****Pre-Medical Studies**

For students pursuing a career in medicine, dentistry, veterinary medicine, pharmacology, nursing or an allied health field, the biochemistry major will provide an excellent preparation for professional study. The biochemistry major requirements are most closely aligned with those of the Medical College Admission Test. In order to prepare for the MCAT or the Dental Admission Test, students should complete the following courses by the end of their junior year:

8 or more credits in biology at the 200-level (BIOL 202 and BIOL 203 are recommended)

CHEM 101, CHEM 102 General Chemistry I, II

CHEM 209, CHEM 210 Organic Chemistry I, II

CHEM 301 Biochemistry I

PHYS 101, PHYS 102 General Physics I, II or PHYS 203, PHYS 204

Introductory Physics I, II (requires calculus)

PSY 101 Introduction to Psychology

SOC 101 Principles of Sociology

In addition, some schools will recommend or require additional courses, which most frequently include anatomy and physiology, genetics, microbiology, biochemistry II, a year of English, some calculus and philosophy or ethics. The Health Professions Advisory Committee works closely with the Center for Career Development and Experiential Education to assist students in the medical school application process.

**Biotechnology Studies**

The biochemistry major provides excellent preparation for careers in rapidly growing biotechnology fields such as genomics and proteomics. Chemistry classes ensure a background in the use of instruments and other modern laboratory techniques. Biochemistry and biology courses cover concepts and techniques used in the biotechnology industry. In addition to the courses required for the major, the following courses are recommended:

CHEM 324 Instrumental Methods of Analysis

BIOL 316 Genetics

BIOL 424/524 Molecular Biology of Eukaryotic Cells

**Forensics Studies**

The biochemistry major provides excellent preparation for careers in forensic science. Chemistry classes will give you a thorough grounding in the analytical techniques which are used by forensic chemists on a daily basis. Biochemistry and biology courses cover molecular biology concepts and techniques used in DNA analysis. Our explicit pedagogical focus on the scientific method helps students develop the deductive reasoning skills necessary for a successful forensics career. In addition to the courses required for the major, and depending upon students' specific areas of interest, students may consider taking:

ANTH 201 Introduction to Anthropology

BIOL 316 Genetics

CHEM 324 Instrumental Methods of Analysis

CMA 207 Principles of Speech Communication

CMA 306 Business Writing in the Digital Age

LWPS 230 Introduction to Law

PSY 101 Introduction to Psychology

## BA AND MS DUAL DEGREE IN BIOCHEMISTRY AND BIOMEDICAL SCIENCE

The Department of Biology offers a dual degree program for motivated, academically talented students to complete the undergraduate Bachelor of Arts major in Biochemistry (p. 60) and the Master of Science in Biomedical Science (p. 205). Students must have a declared major in Biochemistry and apply to the Biomedical Science master's program via the graduate school online application. Ideally applicants, including transfer students, should apply during the spring semester of their junior year.

The Department of Biology offers numerous Biology electives which are cross-listed with the Biomedical Science program, listed below. Students accepted into the dual degree program are given permission to take up to three of these cross-listed courses (9 credits) at the graduate level which may be applied toward the degree requirements for both degrees.

BIOL 411/BMS 511* Protein Biochemistry	3.0
BIOL 412/BMS 512 Intermediary Metabolism	3.0
BIOL 424/BMS 524* Molecular Genetics	3.0
BIOL 425/BMS 525 Virology	3.0
BIOL 428/BMS 528 Immunology	3.0
BIOL 434/BMS 534 Molecular Methods	3.0
BIOL 437/BMS 537* Intro Bioinformatics	3.0

\*Core requirement for Biomedical Science program, all other courses are program electives.

Students pursuing the thesis track in Biomedical Science are encouraged to pursue undergraduate independent research in a lab that can support their thesis work beyond completion of the undergraduate degree. Due to the condensed nature of this dual degree program students are strongly encouraged to plan their coursework with their faculty advisor during their first year at the College.

## BIOLOGY MAJOR, B.A.

Majors in biology obtain a broad and modern education in the biological sciences. The course of study includes the biology core courses that cover the fundamentals of cell biology, ecology, evolution, genetics and physiology. Elective courses provide for study at greater depth and reflect the breadth of biology. The major allows students to specialize or take a broad range of elective courses as they and their advisers deem appropriate. Elective courses are designed to help prepare students for graduate and professional school and biology-related employment. The capstone experience allows biology majors to synthesize and apply the knowledge and skills gained in earlier coursework and serves as a transition to post-baccalaureate training and employment.

Course offerings in the biology department are well balanced and broad, ranging from animal behavior to recombinant DNA technology. In all courses, material focuses on principles and their application to current topics in each of the fields. Advanced, double-numbered elective courses allow qualified seniors to study in depth in their chosen fields. Almost all courses offered for the major include laboratory instruction. Laboratory

curricula complement lecture material and emphasize hands-on learning through experimentation. As students progress through the curriculum they are challenged to develop increasingly sophisticated experimental and analytical skills. Some courses also include trips to undertake field research and to tour industrial and research sites of interest.

The curriculum for biology majors provides excellent preparation for many different careers. Options for graduates include research positions with government and private agencies in the laboratory or in the field. Students are well prepared for post-baccalaureate programs in medicine, veterinary medicine, dentistry, physical therapy and clinical laboratory science. Graduate study in a specialized field of biology is another excellent option for students majoring in biology. The biology faculty play an active role in assisting students throughout the process of achieving their career goals.

## REQUIREMENTS FOR THE MAJOR

### Basic Courses

BIOL 110-129	Biological Inquiry	4.0
CHEM 101	General Chemistry I	4.0
CHEM 102	General Chemistry II	4.0
CHEM 209	Organic Chemistry I	4.0
MATH 112	Applied Statistics	3.0
	or	
MATH 201	Calculus I	4.0

### Biology Core

BIOL 201	Evolution and Ecology	4.0
BIOL 202	Physiology of Plants & Animals	4.0
BIOL 203	Introduction to Cell Biology & Genetics	4.0

### Biology Electives

Five electives at the 300 level or higher, three of which must include a laboratory (3 credit, double-numbered laboratory courses do not satisfy the lab requirement. Biology majors may count ENSP 403, ENSP 407 and ENSP 411 as 3-credit biology electives toward the major. Not included among the elective courses are BIOL 335; BIOL 375; BIOL 399; and BIOL 499).

### Capstone

Students with senior standing or second semester juniors with a GPA of 2.00 or higher in biology who have completed the three biology core classes (BIOL 201, BIOL 202, BIOL 203) and three elective classes in biology at the 300 level or above or with permission of the department may enroll in capstone experiences.

As part of the capstone requirement, students must complete the ETS Major Field Test in Biology and regularly attend departmental seminars. Further, students can satisfy the capstone requirement via two alternate means:

Three-credit research or field work experience through appropriate honors, independent study, secondary education teaching or internship mechanisms. Departmental approval of a research proposal must precede this work. Students are also required to present, in the form of a poster, the results of their capstone experience. Capstone research credits must be taken as a second semester junior or a senior (or the summer between the junior and senior years).

or

BIOL 470 Biology Seminar—the course will involve a team approach toward preparation of a significant document. The nature of the document is not fixed but chosen by the instructor for each seminar course. Examples of the types of documents envisioned include grant proposals,

review articles and texts for proposed 110-129 courses. Biology seminar must be taken as a second semester junior or as a senior.

#### Recommended Courses

CHEM 210	Organic Chemistry II	4.0
MATH 112	Applied Statistics	3.0
MATH 202	Calculus II	4.0
PHYS 203	Introductory Physics I and	4.0
PHYS 204	Introductory Physics II or	4.0
PHYS 101	General Physics and	4.0
PHYS 102	General Physics	4.0

MATH 112, MATH 201: (if not taken for math requirement in major)

### CURRICULAR DIRECTIONS IN BIOLOGY

Curricular directions provide students with suggested combinations of courses that could best meet a student's individual goals and interests; however, biology majors are not required to choose a particular curricular direction listed below. It is recommended that students, along with their academic advisers, choose a combination of elective courses to suit their needs for further study and work in biology and health-related fields.

#### Integrative Biology Direction

The integrative biology direction broadly prepares students for further study or work in biology. Recommended elective courses include:

- cell biology • genetics • microbiology
- plant form and function • field biology • advanced ecology
- vertebrate zoology • invertebrate zoology • animal behavior

#### Pre-medical Direction

The pre-medical direction is especially suited for students who wish to pursue a career in medicine, dentistry, veterinary medicine or an allied health field (e.g., nursing, physical therapy, physician's assistant). Students are urged to meet with the health professions adviser, located in the Center for Career Development and Experiential Education, in their first year. Recommended elective courses include:

- human anatomy and physiology • microbiology
- cell biology • genetics • immunology

#### Molecular Biology Direction

The molecular biology direction is recommended for students who are planning a career in research in molecular or cell biology or intend to pursue graduate studies in these fields. The molecular biology direction is also recommended for students considering careers in bioinformatics, forensics or drug discovery. Recommended elective courses include:

- cell biology • microbiology • protein biochemistry
- genetics • immunology • biochemistry of intermediary metabolism
- principles and methods in molecular genetics • molecular biology eukaryotic cell

#### Microbiology Direction

The microbiology direction is well-suited for students who are planning a career in research in microbiology or immunology or intend to pursue graduate studies in these fields. The microbiology direction is also recommended for students considering careers as industrial, food, environmental, clinical or veterinary microbiologists, quality assurance

technicians or medical technologists. Recommended elective courses include:

- microbiology • genetics • immunology
- cell biology • virology • principles and methods in molecular genetics

#### Ecology Direction

The ecology direction is recommended for students who are planning a career in research in ecology, evolutionary biology or environmental biology or intend to pursue graduate studies in these fields. The ecology direction is also recommended for students considering careers in forestry, wildlife or fisheries management, environmental activism, recreation planning, conservation biology or environmental education. Recommended elective courses include:

- advanced ecology • field biology
- animal behavior • ornithology • conservation biology
- aquatic biology • plant ecology
- invertebrate zoology • vertebrate zoology

#### Secondary Education Direction

The secondary education direction is recommended for students who wish to pursue a career in teaching biology. Recommended elective courses include:

- genetics • field biology
- plant form and function • microbiology
- vertebrate zoology • invertebrate zoology

Student research opportunities are another hallmark of our program. The faculty are engaged in active research in a diverse range of subdisciplines. Students can work with faculty to investigate the molecular biology of insect-carried diseases in plants, the symbiotic association of nitrogen-fixing algae with marine corals, the molecular genetics of oncogene expression, the ecology of the American Chestnut, the biochemistry of protein-DNA interactions, the population genetics of amphibians and the behavioral ecology of frogs, just to mention a few of the research interests of our faculty. Independent study, Honors research and our Summer Research Institute (where students stay on campus and receive a summer stipend to conduct research) are all means for our students to join the faculty in their research pursuits.

We also encourage students to participate in off-campus research opportunities. The College is situated only a few blocks from Fort Detrick, a federal facility housing research laboratories of the National Cancer Institute, U.S. Army Medical Research Institute for Infectious Diseases and U.S. Department of Agriculture. Many of our students complete internships at these nearby laboratories. Internship experiences often lead directly to employment opportunities in the Fort Detrick laboratories or the many biotechnology laboratories of the I-270 technology corridor between Washington, D.C., and Frederick. Students have also completed internships at a number of other locations, including the National Aquarium, Horn Point Environmental Laboratory and the Chesapeake Biological Laboratory.

#### Duke University Marine Sciences Education Consortium (MSEC)

Hood College maintains a close relationship with the Duke University Marine Laboratory in Beaufort, N.C. At the invitation of the University, Hood has made that relationship even stronger by joining the Duke University Marine Sciences Education Consortium. Hood students may use the marine laboratory's facilities for independent study projects and coursework. The marine laboratory is located in a historic coastal town on

the Intracoastal Waterway near the Outer Banks and Cape Hatteras. Opportunities for study include field work in a variety of estuarine, salt marsh, beach and open ocean environments. Enrollment at MSEC is administered by the Hood Department of Biology.

Hood students transfer credits but not quality points for work completed at the Duke University Marine Laboratory.

The Duke University Marine Laboratory offers courses during the fall semester (late August to late December), spring semester (mid-January to late April) and three summer terms. These courses change each year; the following list represents a sample of offerings. In the spring semester, Duke offers a special program of seven weeks at the Duke University Marine Laboratory and seven weeks at the Bermuda Biological Station for Research. Contact the Department of Biology for details.

- Analysis of Ocean Ecosystems Conservation Biology and Policy
- Barrier Island Ecology Environmental Biochemistry
- Beach and Island Geological Processes Marine Ecology
- Biochemistry of Marine Animals Marine Fisheries Policy
- Biological Oceanography Marine Invertebrate Zoology
- Coastal Ecosystem Processes Marine Mammals
- Coastal Ecotoxicology and Pollution Physiology of Marine Animals

## **BA AND MS DUAL DEGREE IN BIOLOGY AND BIOMEDICAL SCIENCE**

The Department of Biology offers a dual degree program for motivated, academically talented students to complete the undergraduate Bachelor of Arts major in Biology (p. 61) and the Master of Science in Biomedical Science (p. 205). Students must have a declared major in Biology and apply to the Biomedical Science master’s program via the graduate school online application. Ideally applicants, including transfer students, should apply during the spring semester of their junior year.

The Department of Biology offers numerous Biology electives which are cross-listed with the Biomedical Science program, listed below. Students accepted into the dual degree program are given permission to take up to three of these cross-listed courses (9 credits) at the graduate level which may be applied toward the degree requirements for both degrees.

BIOL 411/BMS 511* Protein Biochemistry	3.0
BIOL 412/BMS 512 Intermediary Metabolism	3.0
BIOL 424/BMS 524* Molecular Genetics	3.0
BIOL 425/BMS 525 Virology	3.0
BIOL 428/BMS 528 Immunology	3.0
BIOL 434/BMS 534 Molecular Methods	3.0
BIOL 437/BMS 537* Intro Bioinformatics	3.0

\*Core requirement for Biomedical Science program, all other courses are program electives.

Students pursuing the thesis track in Biomedical Science are encouraged to complete a capstone experience for the Biology major in a research lab that can support their thesis work beyond completion of the undergraduate degree.

## **BIOLOGY SECONDARY EDUCATION CERTIFICATION**

Biology majors also may wish to obtain certification to teach biology at the secondary level. Students who complete this secondary education program receive certification to teach in Maryland upon graduation, as well as reciprocity for teaching in certain other states.

Students must complete the requirements for the biology major and take PHYS 101 or PHYS 203.

In addition, they must meet the requirements specified by the Department of Education at Hood. (p. 71)

## **BUSINESS ADMINISTRATION MAJOR, B.A.**

The business administration program is designed to prepare students for leadership careers in complex organizations in the public, private and nonprofit sectors of an increasingly global economy and diversified workplace. Our differentiating niche is a strong emphasis on business functions, social accountability, global awareness, quantitative and qualitative analytical skills, and synergy between theory and practice. Because tomorrow’s managers will face intense competitive pressures and strong demands for competency, flexibility and accountability, the business administration program provides a curriculum that builds core competencies and embeds that core curriculum in a liberal arts program. The business administration faculty members, who are active in teaching, scholarship and mentoring, aim to create a collaborative teaching and learning environment. Majors are required to participate in our lecture series and to spend either a semester, year or summer studying abroad or in an internship in a major international city such as Washington, D.C. (International students are exempt from the study abroad and internship requirement.) Majors are also encouraged to work with a faculty member in business administration on at least one research project.

All business administration degrees, B.A. and MBA, and minors are accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

### **COMMON BODY OF KNOWLEDGE**

#### **Business Administration Core**

Business administration students are expected to have the following competencies: knowledge about the different functional areas of business, quantitative and qualitative analytical skills, and the ability to relate organizations to the greater society in which they exist. The business administration core, which consists of 15 courses, enables students to achieve these competencies. Every business administration major has to fulfill the business administration core requirement.

#### **All majors must take the following courses (33 credits):**

MGMT 205	Principles of Management: Introduction to Organizations	3.0
MGMT 281	Principles of Financial Accounting	3.0
MGMT 284	Principles of Managerial Accounting	3.0
MGMT 301	Organizational Theory and Behavior	3.0
ECMG 303	Principles of Finance & Investment	3.0
MGMT 306	Principles of Marketing	3.0
MGMT 312	Analytical Methods of Management	3.0
MGMT 314	International Business	3.0
ITMG 388	Management Information Systems	3.0
MGMT 411	Seminar in Strategic Management	3.0
MGMT 454	Legal Environment of Business	3.0



*NOTE: MGMT 301, ECMG 303, MGMT 312, MGMT 314, MGMT 411 must be taken at Hood.*

**All majors must also take the following courses (12 credits):**

ECON 205	Principles of Macroeconomics and	3.0
ECON 206	Principles of Microeconomics	3.0
ECMG 212	Statistics for Economics & Management or	3.0
MATH 112	Applied Statistics	3.0
ECON 306	Microeconomic Analysis	3.0

**Majors are also required to participate in a study abroad semester, year or summer or an internship**

MGMT 399	Internship in Management	3.0
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(International students are exempt from the study abroad and internship requirement.)

### DEPTH OF KNOWLEDGE

To provide depth of knowledge over and above the common body of knowledge, students must complete a concentration. All depth of knowledge courses must be taken at Hood.

#### Business Administration Concentrations

Students may choose any three courses from the following to complete a general business administration concentration or concentrate in a discipline by selecting three classes from one of the areas below.

#### Accounting (9 credits)

MGMT 321	Intermediate Accounting I	3.0
MGMT 322	Intermediate Accounting II	3.0
MGMT 433	Cost Accounting	3.0

#### Finance (9 credits)

MGMT 402	Business Finance	3.0
MGMT 410	Investment Analysis	3.0
ECMG 478/ECMG 578	International Financial Management	3.0

#### Human Resource Management (9 credits)

ECON 328	Labor Economics	3.0
MGMT 307	Personnel Management	3.0
MGMT 313	Employment and Labor Law	3.0

#### International Economics and Finance (9 credits)

ECON 324	International Trade	3.0
ECON 460	International Finance & Open Economy Macroeconomics	3.0
ECMG 478/ECMG 578	International Financial Management	3.0

#### Individual Interest Concentration

Business administration majors may develop, in consultation with their business administration faculty adviser, an individual interest concentration that focuses on a particular career interest. Examples of such concentrations include information systems, computer science, public relations and environmental management.

#### Marketing (9 credits)

MGMT 406	Consumer Behavior and Analysis or	3.0
CMA 310	Public Relations	3.0
MGMT 423	Marketing Research Methods	3.0
MGMT 424	Marketing Communications Strategy	3.0

#### Strongly Recommended Courses

CMA 306	Business Writing in the Digital Age	3.0
MATH 201	Calculus I	4.0
PHIL 220	Professional Ethics	3.0

#### Students planning to pursue a graduate degree in business administration should take:

ECON 480	Econometrics	3.0
MATH 201	Calculus I	4.0
MATH 351	Probability and Statistics	3.0

## BA/MBA DUAL DEGREE

Students electing to complete either (1) a major in Business Administration or (2) a minor in Business Administration with electives of MGMT 312: Analytical Methods of Management and MGMT 454 Legal Environment of Business are eligible to enter a 1-year fast track MBA graduate program following completion of their undergraduate studies.

Students from all majors are eligible to participate in the dual-degree B.A./MBA. Certain programs have course guides and designated faculty coordinators. These programs and coordinators are listed below:

#### Program Contact

Business Administration, B.A./Business Administration, MBA	Dr. Jerrold Van Winter	vanwinter@hood.edu	x3756
English, B.A./Business Administration, MBA	Dr. Heather Mitchell-Buck	mitchellbuck@hood.edu	x3741
Global Studies, B.A./Business Administration, MBA	Dr. Paige Eager	eager@hood.edu	x3699
History, B.A./Business Administration, MBA	Dr. Jay Harrison	harrison@hood.edu	x3286
Sociology, B.A./Business Administration, MBA	Dr. Laura Moore	moore@hood.edu	x3752

For all other majors please contact Dr. Jerrold Van Winter, vanwinter@hood.edu, x3756.

Note: to ensure a 1-year fast track completion of graduate studies, B.A./MBA students must complete all Business Administration undergraduate courses with grades of C- or better and complete their undergraduate studies with an overall GPA of 3.0 or better.

## CHEMISTRY MAJOR, B.A.

The chemistry major combines study in the discipline with a broadly based liberal arts education. Students gain valuable experience with modern instrumentation and the methods of scientific investigation through their coursework. The department focuses specifically on providing extensive laboratory experience to all students, to complement a thorough grounding in chemical theory. Class projects and presentations develop the students' ability to speak clearly and write cogently on scientific topics. Advanced students are encouraged to conduct independent projects and to participate in the wide variety of research opportunities and internship positions available on campus or at professional laboratories in the Frederick and Baltimore-Washington, D.C. area.

### REQUIREMENTS FOR THE MAJOR

#### Required:

CHEM 101	General Chemistry I	4.0
CHEM 102	General Chemistry II	4.0
CHEM 209	Organic Chemistry I	4.0
CHEM 210	Organic Chemistry II	4.0
CHEM 215	Quantitative Analysis	4.0
CHEM 270/PHYS 270	Physical Science Literature	3.0
CHEM 301	Biological Chemistry I	4.0
CHEM 324	Instrumental Methods of Analysis	4.0
CHEM 405/CHEM 505	Inorganic Chemistry	3.0
CHEM 431/PHYS 431	Quantum Mechanics	3.0
CHEM 432/PHYS 432	Thermodynamics & Statistical Mechanics	3.0
CHEM 433/PHYS 433	Quantum Mechanics Laboratory	1.0
CHEM 434/PHYS 434	Thermodynamics & Statistical Mechanics Laboratory	1.0
MATH 201	Calculus I	4.0
MATH 202	Calculus II	4.0
PHYS 101	General Physics and	4.0
PHYS 102	General Physics or	4.0
PHYS 203	Introductory Physics I and	4.0
PHYS 204	Introductory Physics II	4.0

Additional courses in mathematics, computer science and intermediate-level physics are recommended for all chemistry majors. MATH 253 Multivariable Calculus; MATH 304 Differential Equations; and MATH 339 Linear Algebra are especially useful courses. Students interested in physical, analytical or theoretical chemistry should consider taking at least two of these courses. Students who plan to enter graduate school in chemistry should have a reading knowledge of a foreign language.

### CURRICULAR DIRECTIONS IN CHEMISTRY

The chemistry major provides excellent preparation for a wide variety of careers. Many students find professional positions immediately following graduation. In addition to laboratory research positions, chemistry majors are in demand in such fields as toxicology, public health, patent and intellectual property law, forensics, teaching, marketing, technical writing, art restoration and scientific information retrieval. Chemistry majors are well prepared to pursue graduate degrees in chemistry, biochemistry and related biotechnology fields; or medicine, veterinary medicine, dentistry, pharmacology, physical therapy and the range of

allied health fields. Students with specific career aspirations can consider the following recommendations as they develop their undergraduate schedules.

#### Pre-medical Studies

The chemistry major will provide excellent preparation for students who are pursuing a career in medicine, dentistry, veterinary medicine, pharmacology, nursing or an allied health field. In order to prepare for the Medical College Admission Test or the Dental Admission Test, students should complete the following courses by the end of their junior year:

BIOL Courses 8 credits in biology at the 200 level (BIOL 202 and BIOL 203 are recommended)

CHEM 101, CHEM 102 General Chemistry I, II

CHEM 209, CHEM 210 Organic Chemistry I, II

PHYS 101, PHYS 102 General Physics I, II or PHYS 203, PHYS 204

Introductory Physics I, II (requires calculus)

CHEM 301 Biochemistry I

PSY 101 Introduction to Psychology

SOC 101 Principles of Sociology

In addition, some schools will recommend or require additional courses, which most frequently include anatomy and physiology, genetics, microbiology, biochemistry II, a year of English, some calculus and philosophy or ethics. The Health Professions Advisory Committee works closely with the Center for Career Development and Experiential Education to assist students in the medical school application process.

#### Environmental Chemistry Studies

For students interested in environmental issues, we offer a concentration in environmental chemistry in association with the Department of Biology. Students declare a major in environmental science and policy-chemistry track, and undertake substantial coursework in chemistry providing a technical enhancement to the broad interdisciplinary preparation inherent in the program. In addition to the general requirements of the major, students interested in environmental chemistry take:

CHEM 209, CHEM 210 Organic Chemistry I, II

CHEM 215 Quantitative Analysis

CHEM 324 Instrumental Methods of Analysis

CHEM 401 Environmental Chemistry

MATH 201 Calculus I

The following courses, which provide stronger preparation in math and theory for those interested in post-baccalaureate study, are highly recommended:

CHEM 431 Quantum Mechanics

CHEM 433 Thermodynamics & Statistical Mechanics

MATH 202 Calculus II

#### Forensics Studies

For students interested in forensic sciences, the chemistry major provides excellent preparation for a variety of career paths. Chemistry classes will give you a thorough grounding in the analytical techniques laboratory forensic chemists utilize on a daily basis. Our explicit pedagogical focus on the scientific method helps students develop the deductive reasoning skills necessary for a successful forensics career. In addition to the courses required for the major, and depending upon specific areas of

interest, students can consider taking:

ANTH 201 Introduction to Anthropology  
 BIOL 203 Introduction to Cell Biology and Genetics  
 CHEM 402 Biological Chemistry II  
 CHEM 403 Biological Chemistry Lab Techniques  
 CMA 207 Principles of Speech Communication  
 CMA 306 Writing for Business and Management  
 LWPS 230 Introduction to Law  
 PSY 101 Introduction to Psychology

## CHEMISTRY SECONDARY EDUCATION CERTIFICATION

Students who intend to pursue a career as a chemistry teacher at the secondary level will need to complete the major in chemistry in addition to the required education courses. The faculty of the Education Department and the Chemistry and Physics Department will work closely with you to ensure that you are able to meet the requirements of this program.

### REQUIREMENTS FOR THE CERTIFICATION

At this time, in addition to the courses required for the chemistry major and the education major, in order to earn certification, the state of Maryland requires that students complete:

#### Required:

BIOL 110-129	Biological Inquiry	4.0
BIOL 202	Physiology of Plants & Animals	4.0

More information about secondary education requirements is available in the Department of Education listings. Completing the teacher education requirements may require time beyond the four years of a B.A. program.

## COASTAL STUDIES SEMESTER

Hood's Coastal Studies Semester takes place during every other fall semester (August to December). The curriculum combines the study of culture and society with science and technology for a truly multidisciplinary approach to learning about environmental science and coastal issues. Interactions with scientists, authors and other environmental professionals in the region augment class discussions, lab investigations and fieldwork. An interdisciplinary research practicum weaves together scientific, historical and cultural threads to unify the semester-long experience. Students earn 14 to 16 semester hours of academic credit through successful completion of courses. The courses offered may vary from year to year.

### REQUIREMENTS

The following list represents a sample of possible course offerings:

ENSP 210	Coastal Oceanography	4.0
ENSP 212	Coastal Community Ecology	4.0
ENSP 307/HON 307	The Chesapeake Bay: Human Impact on a Natural System	3.0
ENSP 370	Coastal Studies Practicum	2.0

During the semester, students and faculty travel throughout the mid-Atlantic region and use nationally known coastal research facilities as a base of operations for one- to two-week intervals. The facilities used may vary from year to year and may include:

The Chesapeake Biological Laboratory, Solomons, Md.  
 The Marine Science Consortium at Wallops Island, Va.  
 The Virginia Institute of Marine Sciences' Eastern Shore Laboratory, Wachapreague, Va.  
 Hood College, Frederick, Md.

Short stops of one to two days at various other locations of interest, such as the historic St. Mary's City, Jamestowne, Williamsburg or Horn Point and Oxford Laboratories, are an integral part of the semester.

Students can also obtain a minor in coastal studies by successfully completing the fall semester and participating in Coastal Studies Field Experiences, which are three-week courses that are offered during the summer semester. The Coastal Studies Semester and an additional Coastal Studies Field Experience course comprise the largely travel-based minor, which is designed to provide students with both textbook and first-hand knowledge of environmental challenges currently facing coastal regions. Consult the *Minors* section of the catalog for specific information.

Contact the coastal studies semester coordinator in the Department of Biology for more details.

## COMMUNICATION ARTS MAJOR, B.A.

The program in Communication Arts is offered by the Department of English and Communication Arts. The major is designed to prepare students for careers in all facets of converging media, able to write, shoot, edit, and post stories using such skills as news reporting and editing, magazine writing, broadcasting, digital media, public relations and online journalism. Communication Arts offers a 50-credit major. Students interested in particular specialties, such as journalism, public relations, film studies and digital media, are guided to choose history, theory and skills courses that address those fields.

Internships are required and integral to the program. Students have worked at public relations firms, non-profit agencies, web-based publications, newspapers, magazines, television and radio stations, museums and other locations.

### REQUIREMENTS FOR THE MAJOR

A minimum of 50 credits in communication arts at or above the 200 level (excluding independent study) is required.

#### Required Courses

CMA 200	Mass Media and Society	3.0
CMA 201	Media Writing I	3.0
CMA 207	Principles of Speech Communication	3.0
CMA 208	Principles of Editing	3.0
CMA 226	Visual Media Production	3.0
CMA 246	Graphic Design I	3.0
CMA 260	Media Writing II	3.0
CMA 304	Multimedia Storytelling	3.0
CMA 305	Communications Law	3.0
CMA 310	Public Relations	3.0
CMA 370	Student Media Practicum	2.0
CMA 399	Internship in Communications	3.0 - 9.0
CMA 470/IMC 470	Seminar in Communication Ethics	3.0

#### History/Theory Courses (choose two)

CMA 204	Media History	3.0
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CMA 209	Mass Media and Revolution	3.0
CMA 222	The Art of Skepticism	3.0
CMA 270A	Alfred Hitchcock: Master of Suspense	3.0
CMA 270B	Reel Journalism	3.0
CMA 270C	America's Great Film Comedies	3.0
CMA 280	Screen Craft	3.0
CMA 282	History of American Film	3.0
CMA 312	Introduction to Communication Research	3.0
CMA 350	Television in America	3.0

**Skills Courses (choose two)**

ARCA 322	Photojournalism	3.0
CMA 281	Introduction to Screenwriting	3.0
CMA 302	Visual Media Production II	3.0
CMA 303	Advanced Reporting	3.0
CMA 313	Writing for Public Relations	3.0
CMA 320	Broadcast Writing and Reporting	3.0
CMA 336	Graphic Design II	3.0
CMA 337	Graphic Design III	3.0
CMA 402	Visual Media Production III	3.0
CMA 410	Crisis Communication	3.0
CMA 411	Public Relations Campaigns	3.0

**Electives**

Depending on the topic, CMA 299 may count toward the History/Theory or Skills requirement for the major. Please see the department chair for more information.

CMA 299	Special Topics in Communication Art	1.0 - 3.0
CMA 375	Independent Study	1.0 - 3.0

**COMPUTER SCIENCE MAJOR, B.S.**

The major in computer science is accredited by the Computing Accreditation Commission of ABET. The major is intended to prepare students for employment in a computer-intensive field, or for graduate study in computer science. All students in this program must meet the following degree requirements:

**REQUIREMENTS FOR THE MAJOR**

**Required:**

All candidates for the degree must earn at least 47 credits in computer science courses and must complete a total of 124 credits (including transfer courses accepted by Hood). The final 30 credits must be taken as a degree candidate at Hood.

CS 201	Computer Science I	4.0
CS 202	Computer Science II	4.0
CS 219	Advanced Data Structures	3.0
CS 226	Computer Organization and Design	3.0
CS 319	Algorithm Analysis	3.0
CS 324	Principles of Software Engineering	3.0
CS 329	Introduction to Database Management Systems	3.0
CS 464/CS 564	Operating Systems	3.0
CS 471/CS 571	Programming Languages: Their Design and Compilation	3.0
CS 474	Capstone Proseminar	3.0
CS 475	Senior Project	3.0
CSIT 302	Impact of Computers on Society	3.0

**Computer Science Electives (9 credits)**

The major requires 9 credits of 300-level or above computer science elective courses, of which no more than 3 credits may be an internship or assistantship.

**Mathematics (15 credits minimum):**

MATH 201	Calculus I	4.0
MATH 202	Calculus II	4.0

MATH 207	Discrete Math	3.0
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At least 4 additional credits in math at the 200-level or above and must be letter-graded. MATH 213, Statistical Concepts and Methods is strongly recommended for the student who has not yet taken statistics.

**Science (8 credits minimum)**

Two courses in laboratory science	8.0
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Science courses must have a laboratory component and be acceptable for major or minor credit in the disciplines of biology (BIOL), chemistry (CHEM) or physics (PHYS). May not include BIOL 104 or CHEM 100.

**BS/MS DUAL DEGREE IN COMPUTER SCIENCE/INFORMATION TECHNOLOGY**

Hood College students from all majors are eligible to participate in the dual degree program that allows for an accelerated master's degree in Information Technology (p. 220) in approximately one year after the completion of their undergraduate program. Students interested in this option would need to incorporate graduate foundation courses, IT 510 and CSIT 512 within their undergraduate program to prepare for the graduate requirements. For more information, please contact the Information Technology program director, Dr. Ahmed Salem (salem@hood.edu).

**ECONOMICS MAJOR, B.A.**

The faculty of economics is a community of teacher-scholars engaged in theoretical, empirical and historical approaches to the study of the global economy and the varieties of capitalism extant in the world today. The faculty aims to create a collaborative teaching, learning and research environment emphasizing global awareness, environmental sensitivity and the synergies between theory and practice. Students majoring in economics are expected to acquire competencies in theory and empirical analyses, to adopt either an international or political concentration in their course work or to design their own major in consultation with two faculty members in economics. Individually designed majors are required to complete all core economics course requirements. Majors are required to participate in our lecture series and are strongly encouraged to spend either a semester, year or summer studying abroad. Majors are also encouraged to work with a faculty member in economics on at least one research project. A 3-credit internship in a major international city such as Washington, D.C., is recommended.

**REQUIREMENTS FOR THE MAJOR**

The economics major requires a minimum of 36-39 credits in economics at the 200 level or above.

**All majors must take the following core economics courses:**

ECON 205	Principles of Macroeconomics	3.0
ECON 206	Principles of Microeconomics	3.0
ECON 305	Macroeconomic Analysis	3.0
ECON 306	Microeconomic Analysis	3.0
ECON 452	History of Economic Thought	3.0
ECON 470	Seminar	3.0
ECON 480	Econometrics	3.0

**All majors must also take:**

ECMG 212	Statistics for Economics & Management or Applied Statistics	3.0
MATH 112	Applied Statistics	3.0
MATH 201	Calculus I	4.0

An internship (ECON 399—3 credits) is recommended. All majors are strongly encouraged to participate in a study abroad semester, year or summer.

**Focus Areas**

All Economics majors focus in either International Economics, Political Economy, Financial Economics, or a General Specialization. Economics major may also create an individualized interest focus in economics.

**Economics (General)**

Majors with a focus in Economics (General) are required to take all of the courses required of all majors listed above plus five courses from the following courses (15 credits):

ECMG 303	Principles of Finance & Investment	3.0
ECON 304	International Political Economy	3.0
ECON 307	Economics and Finance of Sports	3.0
ECON 309	Monetary Policy & Financial Markets	3.0
ECON 310	Environmental Economics	3.0
ECON 316	Game Theory	3.0
ECON 317	Economics of Development	3.0
ECON 320	The Economics of Gender	3.0
ECON 324	International Trade	3.0
ECON 326	Industrial Organization	3.0
ECON 328	Labor Economics	3.0
ECON 410	Public Economics	3.0
ECPS 414/ ECPS 514	Environmental Policy	3.0
ECON 460	International Finance & Open Economy Macroeconomics	3.0
ECMG 478/ ECMG 578	International Financial Management	3.0
PSCI 303	Public Policy Analysis	3.0

**Financial Economics**

Majors with a focus in International Economics are required to take all of the courses required of all majors listed above plus the following courses (9 credits):

ECMG 303	Principles of Finance & Investment	3.0
ECON 309	Monetary Policy & Financial Markets	3.0
ECMG 478/ECMG 578	International Financial Management	3.0

In addition, the Financial Economics focus requires two additional courses from the Elective Requirement list that are *different* from the required courses listed above.

**Individualized Interest - 15 credits**

Economics majors may develop, in consultation with their economics faculty adviser, an individual interest focus that specializes on a particular career interest. Examples of include international economic development and the economics of gender.

**International Economics**

Majors with a focus in International Economics are required to take all of the courses required of all majors listed above plus three of the following courses (9 credits):

ECON 304	International Political Economy	3.0
ECON 324	International Trade	3.0
ECON 460	International Finance & Open Economy Macroeconomics	3.0
MGMT 314	International Business	3.0

In addition, the International Economics focus requires two additional courses from the Elective Requirement list that are *different* from the required courses listed above.

**Political Economy**

Majors with a focus in Political Economy are required to take all of the courses required of all majors listed above plus three of the following courses (9 credits):

ECON 304	International Political Economy	3.0
ECON 326	Industrial Organization	3.0
ECON 410	Public Economics	3.0
PSCI 303	Public Policy Analysis	3.0

In addition, the Political Economics focus requires two additional courses from the Elective Requirement list that are *different* from the required courses listed above.

**Elective Requirements**

International Economics, Political Economy, and Financial Economics require 6 credits from the list of courses below that are *different* from the required courses taken for the focus area:

ECMG 303	Principles of Finance & Investment	3.0
ECON 304	International Political Economy	3.0
ECON 307	Economics and Finance of Sports	3.0
ECON 309	Monetary Policy & Financial Markets	3.0
ECON 310	Environmental Economics	3.0
ECON 316	Game Theory	3.0
ECON 317	Economics of Development	3.0
ECON 320	The Economics of Gender	3.0
ECON 324	International Trade	3.0
ECON 326	Industrial Organization	3.0
ECON 328	Labor Economics	3.0
ECON 410	Public Economics	3.0
ECPS 414/ECPS 514	Environmental Policy	3.0
ECON 460	International Finance & Open Economy Macroeconomics	3.0
ECMG 478/ECMG 578	International Financial Management	3.0
PSCI 303	Public Policy Analysis	3.0

**Students planning to pursue a doctorate in economics should also take:**

ECON 480	Econometrics	3.0
MATH 202	Calculus II	4.0
MATH 253	Multivariable Calculus	4.0
MATH 304	Differential Equations	3.0
MATH 339	Linear Algebra	3.0
MATH 351	Probability and Statistics	3.0
MATH 453	Introduction to Real Analysis	3.0

**EDUCATION MAJORS AND CERTIFICATION PROGRAMS**

Students may enter certification programs as undergraduates majoring in early childhood education (ECE) or elementary/special education (ELSP). Secondary and art education are not majors. Rather, students seeking secondary certification major in an academic field and concurrently complete the secondary program requirements leading to certification eligibility. Multidisciplinary breadth for all students is demonstrated through completion of additional general education courses beyond Hood's Core Curriculum.

Hood's Department of Education offers teacher certification programs for holders of a baccalaureate degree. They may become certified to teach in early childhood education, elementary/special education or secondary education in the subject areas of art (preK-12), biology, chemistry, English, French (preK-12), history, mathematics and Spanish (preK-12). Students who select this option must meet certification requirements through satisfactory completion of their program's required content and professional education courses.

**Certification**

Upon successful completion of one of the teacher education programs and attainment of the minimum scores on all Maryland State Department of Education required exams, students are eligible for certification to teach in Maryland with reciprocal certification to teach in nearly all other states. It is the student’s responsibility to contact individual states other than Maryland for information regarding certification requirements for specific programs. Teacher candidates should also be aware that local school systems may impose additional requirements beyond state certification.

As with most colleges and universities, there is an additional fee required for the teaching internship, formerly known as “student teaching.” Interns are responsible for their own transportation to and from field experiences. Variation from Hood’s holiday and vacation schedules may be required to accommodate local school district calendars. It is strongly advised that interns not have outside employment during Phases II and III. Teaching interns have one year from the completion of the teaching internship to pass the Praxis II tests and to complete all other program requirements in order to be designated an official program completer. It is the responsibility of the intern to inform the Education Department upon completion of all requirements.

**e-Portfolio**

All education programs require the candidates to use the Chalk and Wire e-Portfolio system to create a program e-Portfolio with specified performance assessments and activities. Candidates enrolling in EDUC 204 will begin to post their coursework electronically and will use the e-Portfolio for the remainder of their coursework in education. Transfer students will begin using the e-Portfolio system upon entering the education program at Hood.

**EARLY CHILDHOOD EDUCATION MAJOR, B.A.**

The early childhood education program is designed to prepare and certify teacher candidates to teach young children in preschool, kindergarten and grades 1-3. The yearlong internship during the final two semesters takes place in two settings: one in prekindergarten or kindergarten and one in a primary classroom. Beginning in the prerequisite phase, students have the unique opportunity to observe in the Georgetown Hill at Hood College Lab School on campus, which offers preschool for children ages 3-4. The ECE program includes many field experiences and is based conceptually on the InTASC Standards and the National Association for the Education of Young Children (NAEYC) Standards as well as on the Maryland State Department of Education’s “Redesign of Teacher Education”.

The early childhood education major is divided into sequential steps consisting of Prerequisite, Phase I, Phase II and Phase III. The departmental unit assessment plan features a checkpoint at each step through which students must pass before advancing to the next phase.

The minimum requirement for a major in early childhood education is the successful completion of Phase II coursework and field experiences.

Completion of the certification program is contingent upon completion of Phase III and upon meeting Maryland’s minimum passing score on the Praxis II tests specific to early childhood education and attaining a rating of “Proficient” or higher on the Exit Folio.

**COURSE REQUIREMENTS FOR THE PROGRAM**

The ECE certification program requires students to demonstrate multidisciplinary breadth by completing:

- 9 credits in English
- 12 credits in science (at least one course in biological science and at least one course in physical science)
- 12 credits in mathematics (to include MATH 106; MATH 107; MATH 108; and MATH 112 or PSY 211)
- 9 credits in social sciences to include U.S. History and Introduction to Psychology

Some Core Curriculum courses may satisfy the requirements for multidisciplinary breadth.

**Prerequisite Phase:**

The courses in the prerequisite portion of the early childhood education program prepare students for the professional sequences in Phases I, II and III. Along with these prerequisite courses, students must complete field experiences in designated Professional Development Schools (PDSs) and at the Georgetown Hill at Hood College Lab School. While completing prerequisite courses, students must obtain Maryland’s minimum passing score on Praxis Core or MSDE equivalent.

EDUC 204	Foundations of Education in a Diverse Society	3.0
EDUC 223	Child Development	3.0
EDUC 224	Processes and Acquisition of Literacy	3.0
EDUC 236	Children & Youth with Exceptionalities	3.0

**Phase I:**

Entry to Phase I is contingent upon (1) successful completion of prerequisite courses with no grade lower than a “C” and an Education GPA of at least 2.75, (2) a Composite GPA and Hood Overall GPA of at least 3.0\* or a Hood Overall GPA of 2.75 and a qualifying score on Maryland’s Basic Skills Assessment, (3) successful performance in prerequisite field experiences, (4) submission of the Phase I application, (5) endorsement by the Program Advisory Council, and (6) being in good campus judicial standing.

\* If a student elects to meet Maryland’s Basic Skills requirement via a 3.0 GPA, the student must maintain a *Composite GPA* and an *Overall GPA* of at least 3.0 at all times. If either GPA drops below 3.0, the student will need to submit qualifying test scores before the student may advance to the next phase of the program. Furthermore, it is the student’s responsibility to monitor the GPA.

EDUC 306	Principles of Lesson Planning	1.0
EDUC 316	Instruction in Literacy	3.0
EDUC 320	Science Curriculum, Methods, Materials, and Assessment	3.0
EDUC 323	Infants and Toddlers: Foundations and Methods	3.0
EDUC 324	Theory & Practice in Early Childhood Education	3.0
EDUC 330	Social Studies Curriculum, Methods, Materials, and Assessment	3.0

**Phase I Internship Requirement:**

Additionally, 2.0 credits of EDUC 399 are required.

**Phase II:**

Entry to Phase II is contingent upon (1) successful completion of Phase I courses with no grade lower than a “C”, (2) successful performance in Phase I field experiences, (3) minimum 2.75 G.P.A. overall and in education courses, (4) submission of the Phase II application, (5) endorsement by the Program Advisory Council, and (6) being in good campus judicial standing. Phase II is the initial semester of the yearlong internship. Students participate in full-time course work and field experiences in a designated PDS. Phase II courses are only open to

students admitted to the yearlong internship. Phase II courses must be taken concurrently. When Phase II students are not in class, they are interning in a PDS. Upon the completion of Phase II, students are encouraged to take their PRAXIS II tests specific to early childhood education certification.

EDUC 417	Materials for Teaching Literacy	3.0
EDUC 421	Mathematics Curriculum, Methods, Materials, Assessment	3.0
EDUC 440	Assessment of Literacy	3.0
EDUC 447	Classroom Organization and Management	3.0
EDUC 448A	Phase II Internship in Pre-K/Kindergarten or	2.0
EDUC 448B	Phase II Internship in Primary Grades	2.00
EDUC 450	Introduction to Teaching Internship	1.0

### Phase III:

Entry into Phase III is contingent upon (1) successful completion of Phase II courses with no grade below a "C", (2) successful performance in Phase II internship, (3) minimum 2.75 G.P.A. overall and in education courses, (4) submission of the Phase III application, (5) endorsement by the Program Advisory Council, and (6) being in good campus judicial standing. The student will be engaged in a full-time teaching internship in designated PDSs. Phase III courses are only open to students who have successfully completed Phase II and have been approved to continue in the yearlong internship. Toward the end of Phase III and in partial fulfillment of program requirements, the student submits the Exit Folio, which must meet the overall rating of "Proficient" or higher. Completion of Phase III and the certification program is contingent upon meeting Maryland's minimum passing score on the Praxis II tests specific to early childhood education certification.

EDUC 459A	Phase III Internship in PreK/Kindergarten or	12.0
EDUC 459B	Phase III Internship in Primary Grades	12.0
EDUC 460	Professional Development Seminar	3.0

## ELEMENTARY/SPECIAL EDUCATION MAJOR, B.A.

The elementary/special education program is designed to prepare and certify teachers for dual certification in elementary and special education. Successful completion of the elementary/special education program leads to Maryland initial teaching certification in elementary (grades 1-6) and special education (grades 1-8). Program completers are prepared to teach children with and without disabilities in regular and inclusion classrooms. The focus within special education is on teaching students with mild and moderate disabilities who have learning disabilities, intellectual disabilities, and/or emotional disturbance. The elementary/special education major includes many field experiences and is based conceptually on InTASC, Council for Exceptional Children (CEC), and Association for Childhood Education International (ACEI) standards, as well as on the Maryland State Department of Education's "Redesign of Teacher Education." The yearlong internship during the final two semesters takes place in two settings: one in an elementary classroom and the other in a special education program.

The elementary/special education major is divided into sequential steps consisting of Prerequisites, Phase I, Phase II, and Phase III. The departmental unit assessment plan features a checkpoint at each step through which students must pass before advancing to the next phase.

The minimum requirement for a major in elementary/special education is the successful completion of Phase II coursework and field experiences. Completion of the certification program is contingent upon completion of Phase III and upon meeting Maryland's minimum passing score on the Praxis II tests specific to elementary and special education and attaining a rating of "Proficient" or higher on the Exit Folio.

### COURSE REQUIREMENTS FOR THE PROGRAM

The ELSP certification program requires students to demonstrate multidisciplinary breadth by completing:

- 9 credits in English
- 12 credits in science (at least one course in biological science and at least one course in physical science)
- 12 credits in mathematics (to include MATH 106; MATH 107; MATH 108; and MATH 112 or PSY 211)
- 9 credits in social sciences to include U.S. History and Introduction to Psychology

Some Core Curriculum courses may satisfy the requirements for multidisciplinary breadth.

### Prerequisite Phase:

The courses in the prerequisite portion of the dual certification in elementary/special education program prepare students for the professional sequences in Phases I, II and III. Along with these prerequisite courses, students must complete field experiences in designated Professional Development Schools (PDSs). While completing prerequisite courses, dual certification in elementary/special education students must obtain Maryland's minimum passing score on Praxis Core or MSDE equivalent.

EDUC 204	Foundations of Education in a Diverse Society	3.0
EDUC 223	Child Development	3.0
EDUC 224	Processes and Acquisition of Literacy	3.0
EDUC 236	Children & Youth with Exceptionalities	3.0

### Phase I:

Entry to Phase I is contingent upon (1) successful completion of prerequisite courses with no grade lower than a "C" and an Education GPA of at least 2.75, (2) a Composite GPA and Hood Overall GPA of at least 3.0\* or a Hood Overall GPA of 2.75 and a qualifying score on Maryland's Basic Skills Assessment, (3) successful performance in prerequisite field experiences, (4) submission of the Phase I application, (5) endorsement by the Program Advisory Council, and (6) being in good campus judicial standing.

\* If a student elects to meet Maryland's Basic Skills requirement via a 3.0 GPA, the student must maintain a *Composite GPA* and an *Overall GPA* of at least 3.0 at all times. If either GPA drops below 3.0, the student will need to submit qualifying test scores before the student may advance to the next phase of the program. Furthermore, it is the student's responsibility to monitor the GPA.

EDUC 306	Principles of Lesson Planning	1.0
EDUC 316	Instruction in Literacy	3.0
EDUC 320	Science Curriculum, Methods, Materials, and Assessment	3.0
EDUC 330	Social Studies Curriculum, Methods, Materials, and Assessment	3.0
EDUC 353	Assistive Technology for Students with Disabilities	3.0
EDUC 354	Special Education: Curriculum, Methods and Materials	3.0

EDUC 373	Assessment Diagnosis & Prescription in Special Education	3.0
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**Phase I Internship Requirement:**

Additionally, 2.0 credits of EDUC 399 are required.

**Phase II:**

Entry to Phase II is contingent upon (1) successful completion of Phase I courses with no grade below a "C", (2) successful performance in Phase I field placements, (3) maintaining a 2.75 GPA overall and in education courses, (4) submission of the Phase II application, (5) endorsement by the Program Advisory Council, and (6) being in good campus judicial standing. Phase II is the initial semester of the yearlong internship. Students participate in full-time course work and field experiences in a designated PDS. Phase II courses are only open to students admitted to the yearlong internship. Phase II courses must be taken concurrently.

When Phase II students are not in class, they are interning in a PDS. Upon the completion of Phase II, students are encouraged to take their PRAXIS II tests specific to elementary education and special education certification.

EDUC 417	Materials for Teaching Literacy	3.0
EDUC 421	Mathematics Curriculum, Methods, Materials, Assessment	3.0
EDUC 440	Assessment of Literacy	3.0
EDUC 447	Classroom Organization and Management	3.0
EDUC 448C	Phase II Internship in Elementary Grades	2.00
	or	
EDUC 448D	Phase II Internship in Special Education	2.00
EDUC 450	Introduction to Teaching Internship	1.0

**Phase III:**

Entry into Phase III is contingent upon (1) successful completion of Phase II courses with no grade below a "C", (2) successful performance in Phase II internship, (3) maintaining a 2.75 GPA overall and in education courses and (4) submission of the Phase III application, (5) endorsement by the Program Advisory Council, and (6) being in good campus judicial standing. The dual certification program in elementary/special education student will be engaged in a full-time teaching internship in designated PDSs. Phase III courses are only open to students who have successfully completed Phase II and have been approved to continue in the yearlong internship. Toward the end of Phase III and in partial fulfillment of program requirements, the student submits the Exit Folio, which must meet the rating score of "Proficient" or higher. Completion of Phase III and the certification program is contingent upon meeting Maryland's minimum passing score on Praxis II tests specific to elementary education and special education certification.

EDUC 449A	Phase III Internship in Elementary Grades	12.0
	or	
EDUC 449B	Phase III Internship in Special Education	12.0
EDUC 460	Professional Development Seminar	3.0

**SECONDARY EDUCATION CERTIFICATION**

To obtain Maryland teaching certification at the secondary level, grades 7-12, undergraduate students major in one of the following academic fields: art (preK-12), biology, chemistry, English, French (preK-12), history, mathematics or Spanish (preK-12). Post-baccalaureate students must have or take the requisite content coursework for the desired certification area. Three phases comprise the teacher certification program

in secondary education, each of which has specific course requirements and field experiences based on the content area standards, the Maryland State Department of Education's "Redesign of Teacher Education", and InTASC Standards.

**REQUIREMENTS FOR THE SECONDARY EDUCATION PROGRAM**

- Completion of a baccalaureate degree at Hood that includes Core requirements or completion of a liberal arts or science baccalaureate at another accredited institution.
- Completion of a major at Hood, or at another accredited institution, in one of the academic fields in which Hood offers secondary teacher certification. (Students from other institutions with related majors such as zoology, environmental science, journalism, etc., must present courses that are equivalent to all courses required for the Hood major in the discipline in which the student is pursuing teacher certification.) Additional content-area coursework may be required of post-baccalaureate candidates to ensure compliance with professional standards.
- Completion of additional general education requirement courses as specified by each department at Hood. (For example, biology majors must also take PHYS 101 or PHYS 203, and English majors must also take specified communication arts courses.)

**Prerequisite Phase:**

All candidates seeking secondary or art certification must have an introductory psychology course (PSY 101 or its equivalent). This can be taken prior to or concurrently with the education courses in the prerequisite portion of the secondary education program. Along with the EDUC 204 prerequisite course, secondary education students must complete one-half day per week of field experiences in a designated professional development school (PDS).

PSY 101	Introduction to Psychology	3.0
EDUC 204	Foundations of Education in a Diverse Society	3.0
EDUC 308	Student Development, Differences and Learning	3.0

Post-baccalaureate teacher certification candidates must pass Praxis Core or MSDE accepted equivalent (e.g., SAT, ACT) as a prerequisite for admission into EDUC 204.

NOTE: Prior to enrolling in EDUC 204, the student must have a conference with the coordinator of secondary education.

**Phase I:**

Entry to Phase I is contingent upon (1) successful completion of prerequisite courses with no grade lower than a "C" and an Education GPA of at least 2.75, (2) a Major GPA of at least 2.75 (any content course grade lower than a C will be reviewed), (3) a Composite GPA and Hood Overall GPA of at least 3.0\* or a Hood Overall GPA of 2.75 and a qualifying score on Maryland's Basic Skills Assessment, (4) successful performance in prerequisite field experiences, (5) submission of the Phase I application, (6) endorsement by the Program Advisory Council, and (7) being in good campus judicial standing.

\* If a student elects to meet Maryland's Basic Skills requirement via a 3.0 GPA, the student must maintain a *Composite GPA* and an *Overall GPA* of at least 3.0 at all times. If either GPA drops below 3.0, the student will need to submit qualifying test scores before the student may advance to the next phase of the program. Furthermore, it is the student's responsibility to monitor the GPA.



EDUC 409	Literacy in the Content Areas Part I	3.0
EDUC 412	Literacy in the Content Areas Part II	3.0
EDUC 413	Teaching and Learning in Content	3.0
EDUC 445	Secondary Instructional Assessment	3.0

**Phase II:**

Entry into Phase II is contingent upon (1) successful completion of the Phase I courses with no grade below a "C", (2) successful performance in the Phase I field experiences, (3) an overall GPA of 2.75 or higher, (4) a GPA of 2.75 or higher in all education courses completed and no grade lower than a "C," (5) a GPA of 2.75 or higher in all courses completed in the content area. Any grade lower than a "C" in a content area course will be reviewed by the Program Advisory Council and may result in the candidate not advancing to the next phase, (6) submission of the Phase II/III application, (7) being in good campus judicial standing, (8) endorsement by the Program Advisory Council. Along with the courses in Phase II, the secondary education interns must complete the equivalent of one and one half days per week of field experience in a designated secondary PDS. Secondary Education interns may not enroll in the following courses until officially accepted into Phase II.

EDUC 400	Phase II Internship and Seminar on Classroom Management	3.0
EDUC 411	Educational Methods in Student's Teaching Field	3.0
EDUC 469	Inclusion & Instruction	3.0

**Phase III:**

Entry into Phase III is contingent upon (1) successful completion of the Phase II courses with no grade below a C-, (2) successful performance in the Phase II internship, (3) an overall GPA of 2.75 or higher, (4) a GPA of 2.75 or higher in all education courses completed and no grade lower than a "C," (5) a GPA of 2.75 or higher in all courses completed in the content area. Any grade lower than a "C" in a content area course will be reviewed by the Program Advisory Council and may result in the candidate not advancing to the next phase, 6) endorsement by the Program Advisory Council, and 7) being in good campus judicial standing. The secondary education teaching intern will be engaged in a full-time teaching internship in a designated PDS. Toward the end of Phase III and in partial fulfillment of program requirements, the teaching intern submits the Exit Folio, which must meet the rating score of "Proficient" or higher. Completion of Phase III and the certification program is contingent upon meeting Maryland's minimum passing scores on the Praxis II tests. Teaching interns in the secondary education program have one year from the completion of the teaching internship to pass the Praxis II tests and to complete all other program requirements in order to be designated an official program completer. It is the responsibility of the intern to inform the education department upon completion of all requirements. Secondary education interns may not enroll in the following courses until official acceptance into Phase III.

EDUC 401	Phase III Seminar on Becoming a Teacher	3.0
EDUC 419	Teaching Internship	9.0

**ENGLISH MAJOR, B.A.**

The Department of English offers a variety of courses designed to expose the student to a wide range of literary texts and critical approaches. In English classes, students read, analyze and write about literature from a number of historical periods. The faculty provides the personal attention that enables each student to learn to write well, to think critically and thus

to acquire the skills necessary for success in any profession. We believe that such study enhances the love and appreciation of literature, exercises the imagination and frees the mind from credulity and conformity.

**REQUIREMENTS FOR THE MAJOR**

Students will choose one of three concentrations: Literature (p. 73), Creative Writing (p. 72) or Drama and Theatre (p. 73). In each concentration, the student must fulfill a requirement that involves historical breadth and at least one course focused on a literary genre; all concentrations culminate in the senior seminar (ENGL 470).

**ENGLISH MAJOR, B.A. WITH CREATIVE WRITING CONCENTRATION**

English majors with a concentration in Creative Writing must take a minimum of 33 credits in English at or above the 200 level, at least 21 of these credits must be in literature, 15 credits of which must be 300 level or above (excluding independent study and internships).

Six credits in English, exclusive of independent study and internships, must be taken during the senior year. Transfer students must complete at least 12 credits in English at Hood. The senior seminar (ENGL 470) must be taken at Hood.

**REQUIREMENTS FOR THE MAJOR WITH CONCENTRATION****Historical Breadth (6 to 12 credits):**

Students must take either ENGL 222 or two courses in literature before 1800. The English and Communication Arts Department, through the advising process, will determine which courses fulfill the pre-1800 requirement. **Noted as H1 after course description.**

Students must take either ENGL 223 or two courses in literature after 1800. The English and Communication Arts Department, through the advising process, will determine which courses fulfill the post-1800 requirement. **Noted as H2 after course description.**

**Genre (6 credits) noted as "G" after course description:**

Students must take two courses in two different genres from courses numbered:

ENGL 270-289	Genre Studies	3.0
ENGL 229	History of Drama Theatre I	3.0
ENGL 230	History of Drama and Theatre II	3.0

**Creative Writing (9 credits):**

Students must take:

ENGL 219	Creative Writing	3.0
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**and two of the following courses:**

CMA 281	Introduction to Screenwriting	3.0
ENGL 319	Creative Nonfiction	3.0
ENGL 326	Intermediate Fiction Writing	3.0
ENGL 327	Intermediate Poetry Writing	3.0
ENGL 420	Advanced Fiction Writing	3.0
ENGL 421	Advanced Poetry Writing	3.0
ENTH 205	Introduction to Playwriting	3.0
ENTH 303	Advanced Playwriting	3.0

**Writers of Significance (3 credits) noted as "WS" after course description:**

Students must take at least one course from the following:

ENGL 340-359	Writers of Significance	3.0
ENGL 313	Shakespeare	3.0

ENGL 318	Chaucer	3.0
ENGL 441	Faulkner and Morrison	3.0

**Senior Seminar (3 credits):**

Students must take the Senior Seminar, a capstone course in literary theory and criticism

ENGL 470	Seminar	3.0
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**ENGLISH MAJOR, B.A. WITH DRAMA AND THEATRE CONCENTRATION**

English majors with a concentration in Drama and Theatre must take a minimum of 33 credits in English at or above the 200 level, at least 21 of these credits must be in literature, 15 credits of which must be 300 level or above (excluding independent study and internships).

Six credits in English, exclusive of independent study and internships, must be taken during the senior year. Transfer students must complete at least 12 credits in English at Hood. The senior seminar (ENGL 470) must be taken at Hood.

**REQUIREMENTS FOR THE MAJOR WITH CONCENTRATION**

**Historical Breadth (6 to 12 credits):**

Students must take either ENGL 222 or two courses in literature before 1800. The English and Communication Arts Department, through the advising process, will determine which courses fulfill the pre-1800 requirement. **Noted as H1 after course description.**

Students must take either ENGL 223 or two courses in literature after 1800. The English and Communication Arts Department, through the advising process, will determine which courses fulfill the post-1800 requirement. **Noted as H2 after course description.**

**Genre (9 credits):**

Students must take:

ENGL 229	History of Drama Theatre I	3.0
ENGL 230	History of Drama and Theatre II	3.0
ENGL 313	Shakespeare	3.0

**Theatre Practice (9 credits):**

Students must take:

THEA 101	The Elements of Acting	3.0
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**and two of the following courses in theatre practice:**

ENTH 205	Introduction to Playwriting	3.0
THEA 102	Improvisation	3.0
THEA 212	Improvisation II	3.0
THEA 254	Directing	3.0

**Senior Seminar (3 credits):**

Students must take the Senior Seminar, a capstone course in literary theory and criticism:

ENGL 470	Seminar	3.0
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**ENGLISH MAJOR, B.A. WITH LITERATURE CONCENTRATION**

English majors with a concentration in Literature must take a minimum of 30 credits in English at or above the 200 level, at least 27 of these credits must be in literature, 15 credits of which must be 300 level or above (excluding independent study and internships).

Six credits in English, exclusive of independent study and internships, must be taken during the senior year. Transfer students must complete at

least 12 credits in English at Hood. The senior seminar (ENGL 470) must be taken at Hood.

**REQUIREMENTS FOR THE MAJOR WITH CONCENTRATION**

**Historical Breadth (6 to 12 credits):**

Students must take either ENGL 222 or two courses in literature before 1800. The English department, through the advising process, will determine which courses fulfill the pre-1800 requirement. **Noted as H1 after course description.**

Students must take either ENGL 223 or two courses in literature after 1800. The English department, through the advising process, will determine which courses fulfill the post-1800 requirement. **Noted as H2 after course description.**

**Genre (3 credits) notes as "G" after course description:**

Students must take at least one course that focuses on a specific genre (ENGL 270-289 (p. 137); ENTH 229, ENTH 230)—fiction, drama or poetry.

**Comparative Topic (3 credits) noted as "CT" after course description:**

Students must take at least one course that offers a comparative perspective on literature—across cultures, artistic modes, media, etc. The English department, through the advising process, will determine which courses fulfill the comparative topic requirement.

**Writers of Significance (3 credits) noted as "WS" after course description:**

Students must take at least one course from the following:

ENGL 340-359	Writers of Significance	3.0
ENGL 313	Shakespeare	3.0
ENGL 318	Chaucer	3.0
ENGL 441	Faulkner and Morrison	3.0

**Senior Seminar (3 credits):**

Students must take the Senior Seminar, a capstone course in literary theory and criticism

ENGL 470	Seminar	3.0
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**ENGLISH SECONDARY EDUCATION CERTIFICATION**

English majors may obtain certification to teach English at the secondary level in Maryland, with reciprocity for teaching in certain other states.

Students may obtain certification by completing all requirements for the English major along with specific requirements for certification. Students seeking Secondary Education Certification should choose the Literature concentration and should consult with the director of Secondary Education Certification (p. 71).

**REQUIREMENTS FOR THE CERTIFICATION WITH LITERATURE CONCENTRATION**

**Courses required of all secondary education certification students are:**

ENGL 202	Topics in Writing: Intermediate Expository Writing	3.0
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	or		
	One additional 300- or 400-level literature course		
ENGL 313	Shakespeare	3.0	
ENGL 405	The English Language	3.0	
ENGL 410	Literature for Adolescents	3.0	

**3 credits in effective communication:**

CMA 207	Principles of Speech Communication	3.0	
THEA 101	The Elements of Acting	3.0	
THEA 102	Improvisation	3.0	

**3 credits of a literature of diversity course from among the following:**

(or equivalent approved for content by the Chair of the English and Communication Arts Department and the secondary education program coordinator)

AFEN 265	Thematic Studies: African American Voices before the 20th Century	3.0	
AFEN 266	Thematic Studies: The Harlem Renaissance and Beyond: 20th Century African-American Literature	3.0	
ENGL 280	Genre Studies: 20th Century Ethnic Narratives	3.0	
ENGL 346	Writers of Significance: Erdrich, Silko, Alexie	3.0	
ENGL 463/HON 463	International Currents in Modern Fiction	3.0	

## ENVIRONMENTAL SCIENCE AND POLICY MAJOR, B.A.

**Program Director:** Eric Kindahl

Students in this program complete a common core of courses in environmental studies, the natural sciences, the social sciences and mathematics. These courses also fulfill the Hood College Core Curriculum requirements for a foundations course in mathematics/computation; for the scientific thought courses in the Methods of Inquiry section; and for a course in social and behavioral analysis in the Methods of Inquiry section.

Majors concentrate in one of four fields: coastal and watershed studies, environmental biology, environmental chemistry or environmental policy. Students draw on this training in an interdisciplinary problem-solving senior seminar. In addition, majors are guided toward internships and other work experiences that complement their academic work. Recent internship sites have included the National Aquarium in Baltimore, the Nature Conservancy, the U.S. Department of Agriculture, the National Park Service and the U.S. Environmental Protection Agency.

This hands-on major is designed to take advantage of Hood's proximity to terrestrial, freshwater and marine habitats, to government research facilities and to federal policy-making agencies in Washington, D.C. Students in the ENSP program are encouraged to take part in Hood College's Coastal Studies Semester, directed by Drew Ferrier.

### REQUIREMENTS FOR THE MAJOR

**Required Courses**

BIOL 201	Evolution and Ecology	4.0	
BIOL 202	Physiology of Plants & Animals	4.0	
CHEM 101	General Chemistry I	4.0	
CHEM 102	General Chemistry II	4.0	
ECON 205	Principles of Macroeconomics	3.0	
ECPS 414/ECPS 514	Environmental Policy	3.0	

ENSP 101	Environmental Problems	3.0	
ENSP 102	Environmental Science Laboratory	1.0	
ENSP 470	Seminar: Environmental Impact Analysis	3.0	
PSCI 203	Introduction to U.S. Politics	3.0	
	or		
PSCI 210	Comparative Politics	3.0	
	or		
PSCI 215	International Relations	3.0	

**Coastal and Watershed Studies Concentration**

*Requires participation in the Coastal Studies Semester*

ENSP 103	Intro to Geographic Information Systems	4.0	
ENSP 210	Coastal Oceanography	4.0	
ENSP 212	Coastal Community Ecology	4.0	
ENSP 300	Environmental Geoscience	4.0	
ENSP 307/HON 307	The Chesapeake Bay: Human Impact on a Natural System	3.0	
ENSP 400	Watershed Hydrology	3.0	
MATH 112	Applied Statistics	3.0	

**12 credits of electives from the following:**

BIOL 309	Aquatic Ecology	4.0	
BIOL 331	Microbiology	4.0	
BIOL 345-349	Field Ecology & Natural History	3.0	
BIOL 451/ENV 551	Plant Ecology	3.0	
CHEM 401/CHEM 501	Environmental Chemistry	3.0	
ENSP 403/ENV 503	Pollution Biology	3.0	
ENSP 407/ENV 507	Natural Resource Management	3.0	
ENSP 411/ENV 511	Conservation Biology	3.0	

**Environmental Biology Concentration**

BIOL 203	Introduction to Cell Biology & Genetics	4.0	
CHEM 209	Organic Chemistry I	4.0	
ENSP 403/ENV 503	Pollution Biology	3.0	
ENSP 407/ENV 507	Natural Resource Management	3.0	
MATH 112	Applied Statistics	3.0	

**8 credits of electives from the following:**

BIOL 309	Aquatic Ecology	4.0	
BIOL 316	Genetics	4.0	
BIOL 331	Microbiology	4.0	
BIOL 336	Vertebrate Zoology	4.0	
BIOL 337	Invertebrate Zoology	4.0	
BIOL 338	Advanced Ecology	4.0	
BIOL 344	Ornithology	4.0	
BIOL 345-349	Field Ecology & Natural History	3.0	
BIOL 451/ENV 551	Plant Ecology	3.0	
CHEM 401/CHEM 501	Environmental Chemistry	3.0	
ENSP 210	Coastal Oceanography	4.0	
ENSP 212	Coastal Community Ecology	4.0	
ENSP 307/HON 307	The Chesapeake Bay: Human Impact on a Natural System	3.0	
ENSP 411/ENV 511	Conservation Biology	3.0	

**Environmental Chemistry Concentration**

CHEM 209	Organic Chemistry I	4.0	
CHEM 210	Organic Chemistry II	4.0	
CHEM 215	Quantitative Analysis	4.0	
CHEM 324	Instrumental Methods of Analysis	4.0	

CHEM 401/CHEM 501	Environmental Chemistry	3.0
MATH 201	Calculus I	4.0

**Recommended courses:**

CHEM 431/PHYS 431	Quantum Mechanics	3.0
ENSP 403/ENV 503	Pollution Biology	3.0
MATH 202	Calculus II	4.0

**Environmental Policy Concentration**

ECON 206	Principles of Microeconomics	3.0
ECON 310	Environmental Economics	3.0
MATH 112	Applied Statistics	3.0

PSCI 203	Introduction to U.S. Politics	3.0
	or	
PSCI 210	Comparative Politics	3.0
	or	
PSCI 215	International Relations	3.0

PSCI 203, PSCI 210, PSCI 215: if not taken as part of the requirement for the major

**12 credits of electives from the following:**

ECON 306	Microeconomic Analysis	3.0
ECON 317	Economics of Development	3.0
ECON 324	International Trade	3.0
ENSP 399	Internship	3.0 - 15.0

PSCI 203	Introduction to U.S. Politics	3.0
	or	
PSCI 210	Comparative Politics	3.0
	or	
PSCI 215	International Relations	3.0

PSCI 317	Urban Politics	3.0
PSCI 320	The American Presidency	3.0
PSCI 323	Politics of the Developing World	3.0

PSCI 203, PSCI 210, PSCI 215: if not taken as part of the requirement for the major

Students should consult their advisers for elective courses that may strengthen the major and concentration. In addition to the courses listed in the basic curriculum and in the environmental biology, chemistry and policy concentrations, some courses are available through the environmental biology program of the Graduate School. These courses may be taken by environmental science majors who meet the qualifications set for the individual courses.

## **BA/MS DUAL DEGREE IN ENVIRONMENTAL SCIENCE**

The Department of Biology offers a dual degree program (B.A./M.S.) for motivated, academically talented students. Students will complete the undergraduate Bachelor of Arts major in Environmental Science and Policy (p. 74) and the Master of Science in Environmental Biology (p. 218). Due to the condensed nature of the dual degree program, interested students are strongly encouraged to plan their coursework with their faculty advisor during their first semester at the College.

The program is designed for students to undertake a major graduate research project the summer of their fourth year in order to complete their Master's program the following summer. Students accepted into the program are given permission to take up to three graduate courses (9 credits) during their junior and senior years to complete the

program, which may be applied toward the degree requirements for both degrees.

To apply, students must have a declared major in Environmental Science and Policy and a 3.5 GPA at the time of application. Qualified undergraduate students in their junior year should apply for admission to the ENV master's program via the graduate online application. Students are encouraged to meet with the ENV program director prior to the application process.

Transfer students may apply for the degree program after the first semester of their junior year. These students may be admitted into the accelerated program, but will usually need at least one additional semester of graduate coursework in order to complete both degrees.

## **FRENCH MAJOR, B.A.**

The Department of Global Languages and Cultures offers a major in French that, in addition to providing understanding of the French language and culture, gives a new perspective on the English language and American culture. The major also prepares students for graduate studies or for careers in teaching, government, business, industry and international organizations.

French majors must spend a semester or a year in France or live for two years in the French House, a small residence on campus where only French is spoken. The residence is under the leadership of a young French student.

Internships are available for qualified French majors. In the United States, internship sites have included the French Embassy (Office of the Cultural Attaché), the Alliance Française in Washington, D.C., French TV Antenne 2, Linguamundi International, the CIEE Student Center in New York City and the U.S. Information Agency.

**Placement Examinations**

Online advanced placement in French, German or Spanish is available to incoming first-year students. Before registration, first-year students should arrange to take the department's placement examination. Those who place in the 201 section of their intended language will receive 3 additional credits; those who place in 203, 204 or a civilization course of their intended language will receive 6 additional credits; and those who place in 207, 208, 240 or in a 300-level course will receive 9 additional credits. In all cases, students will receive the extra credits only if they enroll in one of these courses within the first semester at Hood and complete it with a grade of "C" or better. Students who have completed college-level language courses are ineligible to earn additional credits for these courses.

**Recommended Schedule**

It is recommended that students intending to major in a language take the following courses in their intended language no later than their sophomore year: 203, 204, 207 and 208. To prepare for graduate school and certain careers, a second foreign language is recommended, but students may not study two languages at the beginning level simultaneously.

**REQUIREMENTS FOR THE MAJOR**

French majors are required to take 30 credits in French at the 200 level or above, 15 credits of which must be 300 level or above. (Students who transfer to Hood in their junior year intending to major in French must be qualified to enroll in courses at the 200 level or above.)

**The following courses are required:**

FREN 203	French Conversation & Composition	3.0
FREN 204	French Culture and Civilization	3.0
FREN 207	Cultural Perspectives on French Literature I	3.0
FREN 208	Cultural Perspectives on French Literature II	3.0
FREN 230	Phonetics and Diction	3.0
FREN 318	Advanced Composition and Translation	3.0
	12 additional credits in French at the 300 level or above to include 9 credits of French or Francophone literature	12.0

**FRENCH EDUCATION CERTIFICATION**

French majors also may wish to obtain certification to teach French at the preK-12 level. Students who complete this education program receive certification to teach in Maryland, along with reciprocity for teaching in certain other states.

Students must complete the requirements for the French major.

In addition, they must meet the Secondary Education Requirements (p. 71) specified by the Education Department.

**GLOBAL STUDIES, B.A.**

Program Director: Paige Eager

By its very definition, the Global Studies major is interdisciplinary and draws upon both the humanities and social sciences for its relevant course work. The Global Studies major is the place within Hood College where disciplines merge, the realities of the world are confronted, and where knowledgeable, engaged citizens of that world come of age.

Working in partnership with many academic units of the College, the core purpose of the Global Studies major is fostering a greater understanding of the interrelationships between countries and cultures. In keeping with the traditions of a liberal arts education at Hood College, we expect our majors: To acquire an understanding of cultures that is multi-disciplinary and diachronic; to comprehend the interconnected socio-economic, political and cultural dimensions of global transformation; to obtain competency in a foreign language; and to be exposed to the complexity of global relations through a study abroad experience or relevant internship experience.

The Global Studies major curriculum includes: a minimum of 37-46 credit hours. Students must take a minimum of 15 credit hours at the 300 level or above for successful completion of the major.

**REQUIRED FOR ALL MAJORS:****Study Abroad or Internship Experience**

GLBS 399	Internship in Global Studies	3.0 - 6.0
	or	
	Semester of study abroad	

**Language Requirement:**

Completion of one of the following:

ARAB 101 through 203

FREN 101 through 203

GER 101 through 203

SPAN 101 through 203

*NOTE: Latin or Greek do not fulfill this requirement*

Students who place at the 207-level in FREN, GER, or SPAN are exempt from the requirement.

**Required:**

ECON 205	Principles of Macroeconomics	3.0
GLBS 200	Introduction to Global Studies	3.0
GLBS 300	Challenges and Opportunities of Globalization	3.0
GLBS 470	Senior Seminar in Global Studies	3.0
PSCI 215	International Relations	3.0

**THEMATIC FOCUS GROUPS**

Select one of the following thematic focus groups:

**Global Governance and Conflict**

Minimum of 12 credits

CMA 209	Mass Media and Revolution	3.0
ECPS 414/ECPS 514	Environmental Policy	3.0
ENSP 101	Environmental Problems	3.0
GLBS 345	Global Perspectives on Women, Power and Politics	3.0
HIST 266	The Modern World, 1750 to Present	3.0
HIST 353	US Foreign Relations since World War II	3.0
HIST 371C	Topics in Modern European History	3.0
LWPS 406	International Law	3.0
PSCI 200	Political Violence and Terrorism	3.0
PSCI 219	Model United Nations	1.0
PSCI 302	9/11 in Global Perspective	3.0
PSCI 305	U.S. Foreign Policy	3.0
PSCI 323	Politics of the Developing World	3.0

**The Global Economy**

Minimum of 12 credits

ECON 304	International Political Economy	3.0
ECON 317	Economics of Development	3.0
ECON 320	The Economics of Gender	3.0
ECON 324	International Trade	3.0
ECON 460	International Finance & Open Economy Macroeconomics	3.0
HON 302/SPAN 302	Third World Development: Latin America	3.0
MGMT 314	International Business	3.0

**Global Cultures and Society**

Minimum of 12 credits

AFAM 251	The African Diaspora	3.0
AFPS 353	Contemporary African Political Thought	3.0
ANTH 302	Cultural Anthropology	3.0
ART 250	Art of Asia	3.0
ART 356	Art of Japan	3.0
ART 372C	Arts of the Non-Western World: Islamic Art	3.0
GLBS 301	Human Migrations: Refugees and IDPs	3.0
HIST 246	Modern Africa, 1400-Present	3.0
HIST 268	Latin America	3.0
HIST 330	Cultural Encounters in LatAm Hist	3.0
HIST 347	The Indigenous World	3.0
HIST 356	Global Empires I	3.0
HIST 357	Global Empires II	3.0
HIST 371D	Topics in World History	3.0
SPAN 336	Latin American Fiction	3.0
MEST 300	Cultures of the Middle East	3.0
PHIL 316/HON 316	Perspectives in Global Health	3.0
PLRL 301	Indian Thought	3.0
PLRL 306	Chinese Thought	3.0
REL 304	Islam	3.0
SOC 318	Global Social Problems	3.0
	Any 300- or 400-level FREN, GER, LSSP or SPAN course	

## HISTORY MAJOR, B.A.

The major in history addresses the diverse needs and interests of Hood College students by offering a choice of three different programs of study:

1) the major in history, 2) the major in history with public history concentration and 3) the major in history with secondary education certification. The department also offers minors in history and public history. In addition, students majoring in history may tailor their program to include study abroad or to prepare for law school or graduate school. Each student should consult with a member of the history faculty to discuss how to further her or his educational needs and career goals.

The major in history requires a minimum of 39 credits in history, at least 15 credits of which must be at the 300-level or above, including HIST 373 Research and Writing in History, an internship, and HIST 470 Seminar. HIST 373 must be taken before HIST 470.

When selecting their 200-level introductory courses, students should choose the courses that are prerequisites for the upper-level courses they are interested in taking later.

This major is also available with a concentration in Public History. See *History Major, B.A. with Optional Public History Concentration* (p. 77).

### REQUIREMENTS FOR THE MAJOR:

#### Both of the following introductory U.S. History courses (6 credits)

HIST 217	History of the United States to 1877	3.0
HIST 218	History of the United States since 1877	3.0

#### Two of the following survey courses (6 credits)

AFHS 257	The African American Experience	3.0
HIST 268	Latin America	3.0
HIST 269	Women in America	3.0

#### Two of the following introductory World History courses (6 credits)

HIST 264	Ancient and Medieval World to 1200	3.0
HIST 265	Medieval and Early Modern World, 1200-1800	3.0
HIST 266	The Modern World, 1750 to Present	3.0

#### Three required Methodology Courses (at least 9 credits)

HIST 373	Research and Writing in History	3.0
HIST 399	Internship in History	3.0 - 15.0
HIST 470	Seminar: Topics in History	3.0

#### Four more courses, distributed as follows (12 credits)

- At least one course must be from each of the following four areas,
- At least two courses must be 300-level history courses,
- Of the 300-level history courses, one course must focus mainly on a time period before 1500 (i.e., an ancient or medieval period); the ancient/medieval courses are: HIST 202, HIST 300, HIST 309, HIST 312, HIST 314, HIST 347, HIST 354, HIST 365, HIST 366, HIST 371A and are noted as (E) for "Early" after course description.

#### One course in American History (3 credits)

HIST 318	Colonial and Revolutionary America	3.0
HIST 319	The Civil War and Reconstruction	3.0
HIST 320	America in the Sixties	3.0
HIST 338	The Gilded Age and Progressive Era, 1877-1929	3.0
HIST 339	New Deal America, 1929-2000	3.0
HIST 353	US Foreign Relations since World War II	3.0
HIST 358	African Americans and Sports	3.0
HIST 359	Black Women in America	3.0
HIST 371B	Topics in American History	3.0
HIST 376	American Frontiers	3.0
HIST 377	Civil Rights and Black Power	3.0

HIST 378	Blacks and American Law	3.0
HIST 379	Making of the American City	3.0
HIST 380	The Native American Experience	3.0

#### One course in European History (3 credits)

HIST 202	Medieval Europe	3.0
HIST 300	From Celts to Vikings 400-1000	3.0
HIST 306	Heresy and Society in Europe, 1400-1800	3.0
HIST 312	Women in Medieval Europe	3.0
HIST 314	Medieval and Tudor England	3.0
HIST 349	Europe in the Age Total War	3.0
HIST 354	Medieval Warfare	3.0
HIST 365	The Ancient Near East and Greece	3.0
HIST 366	Ancient Rome	3.0
HIST 371A	Topics in Early History	3.0
HIST 371C	Topics in Modern European History	3.0

#### One course in Global History (3 credits)

HIST 246	Modern Africa, 1400-Present	3.0
HIST 309	Islam & the Crusades	3.0
HIST 330	Cultural Encounters in LatAm Hist	3.0
HIST 347	The Indigenous World	3.0
HIST 356	Global Empires I	3.0
HIST 357	Global Empires II	3.0
HIST 371D	Topics in World History	3.0

#### One course in Public History (3 credits)

HIST 208	Introduction to Public History	3.0
HIST 371E	Topics in Public History	3.0
HIST 381	Collections: Museums and Archives	3.0
HIST 382	Exhibiting History	3.0

Students interested in pursuing History secondary education certification may use EDUC 411, Educational Methods in Student's Teaching Field to fulfill the Public History requirement.

## HISTORY MAJOR, B.A. WITH OPTIONAL PUBLIC HISTORY CONCENTRATION

### REQUIREMENTS FOR THE MAJOR WITH CONCENTRATION

The public history concentration prepares students for careers in museum work, state and national parks, historic sites, historical societies, public and private archives, historic preservation and government agencies that employ historians; or for graduate study in the field of public history. It combines a strong foundation in American history with specialized coursework and practice in public history.

Students must fulfill the following requirements for the concentration, along with the regular requirements for the history major. (Note: Some of the specific concentration requirements will also fulfill more general history major requirements.) The concentration requires 30 credits.

#### Required courses (9 credits):

HIST 208	Introduction to Public History	3.0
HIST 217	History of the United States to 1877	3.0
HIST 218	History of the United States since 1877	3.0

#### Two of the following (6 credits):

AFHS 257	The African American Experience	3.0
HIST 268	Latin America	3.0
HIST 269	Women in America	3.0

#### Three of the following courses (9-10 credits):

ENSP 103	Intro to Geographic Information Systems	4.0
HIST 371E	Topics in Public History	3.0
HIST 381	Collections: Museums and Archives	3.0
HIST 382	Exhibiting History	3.0
MGMT 315	Managing Nonprofit Organizations	3.0

HIST 371E: (may be taken more than once)

**Two of the following introductory World History courses (6 credits)**

HIST 264	Ancient and Medieval World to 1200	3.0
HIST 265	Medieval and Early Modern World, 1200-1800	3.0
HIST 266	The Modern World, 1750 to Present	3.0

**Three required Methodology Courses (9 credits)**

HIST 373	Research and Writing in History	3.0
HIST 399	Internship in History	3.0 - 15.0
HIST 470	Seminar: Topics in History	3.0

**Three more courses, distributed as follows (9 credits)**

- At least one course must be from each of the following three areas,
- At least two courses must be 300-level history courses, and
- at least one course must focus mainly on a time period before 1500 (i.e., an ancient or medieval period); the ancient/medieval courses are: HIST 202, HIST 300, HIST 309, HIST 312, HIST 314, HIST 347, HIST 354, HIST 365, HIST 366, HIST 371A and are noted as (E) for “Early” after course description:

**One course in American History (3 credits)**

HIST 318	Colonial and Revolutionary America	3.0
HIST 319	The Civil War and Reconstruction	3.0
HIST 320	America in the Sixties	3.0
HIST 338	The Gilded Age and Progressive Era, 1877-1929	3.0
HIST 339	New Deal America, 1929-2000	3.0
HIST 353	US Foreign Relations since World War II	3.0
HIST 358	African Americans and Sports	3.0
HIST 359	Black Women in America	3.0
HIST 371B	Topics in American History	3.0
HIST 376	American Frontiers	3.0
HIST 377	Civil Rights and Black Power	3.0
HIST 378	Blacks and American Law	3.0
HIST 379	Making of the American City	3.0
HIST 380	The Native American Experience	3.0

**One course in European History (3 credits)**

HIST 202	Medieval Europe	3.0
HIST 300	From Celts to Vikings 400-1000	3.0
HIST 306	Heresy and Society in Europe, 1400-1800	3.0
HIST 312	Women in Medieval Europe	3.0
HIST 314	Medieval and Tudor England	3.0
HIST 349	Europe in the Age Total War	3.0
HIST 354	Medieval Warfare	3.0
HIST 365	The Ancient Near East and Greece	3.0
HIST 366	Ancient Rome	3.0
HIST 371A	Topics in Early History	3.0
HIST 371C	Topics in Modern European History	3.0

**One course in Global History (3 credits)**

HIST 246	Modern Africa, 1400-Present	3.0
HIST 309	Islam & the Crusades	3.0
HIST 330	Cultural Encounters in LatAm Hist	3.0
HIST 347	The Indigenous World	3.0
HIST 356	Global Empires I	3.0
HIST 357	Global Empires II	3.0
HIST 371D	Topics in World History	3.0

**PREPARATION FOR GRADUATE SCHOOL AND PROFESSIONAL STUDIES**

Students who plan to attend graduate school in history should work closely with a departmental adviser both to develop the credentials necessary for admission to a graduate program and to gain expertise in a specific area of historical interest. The department advises that students aiming for graduate study complete a minimum of 40 credits in history at the 200 level or above; choose an informal concentration within the

major; take four courses in cognate fields of study (archaeology, art history, English, economics, political science, philosophy, religion and sociology, among others); and become proficient in at least one foreign language.

History is also an excellent preparation for law school and other professional programs. Students interested in such a career path should consult the appropriate pre-professional adviser. Students preparing for law school are advised to take courses in American and British history, with additional coursework in English, economics and philosophy.

**HISTORY SECONDARY EDUCATION CERTIFICATION**

History majors also may wish to obtain certification to teach history at the secondary level. Students who complete this secondary education program receive certification to teach in Maryland upon graduation, along with reciprocity for teaching in certain other states. Students must complete requirements specified by the Education Department Secondary Education Certification (p. 71) and meet the following history and social science requirements.

**REQUIREMENTS FOR CERTIFICATION****Social Science Requirements (12 credits):**

ECON 205	Principles of Macroeconomics	3.0
GEOG 101	Cultural Geography	3.0
PSCI 203	Introduction to U.S. Politics	3.0
SOC 101	Principles of Sociology	3.0

**Introductory U S History and World History Requirements (15 credits)**

HIST 217	History of the United States to 1877	3.0
HIST 218	History of the United States since 1877	3.0
HIST 264	Ancient and Medieval World to 1200	3.0
HIST 265	Medieval and Early Modern World, 1200-1800	3.0
HIST 266	The Modern World, 1750 to Present	3.0

**Diversity Requirements (6 credits)**

AFHS 257	The African American Experience	3.0
HIST 269	Women in America	3.0
	or	
HIST 268	Latin America	3.0

**Methodology Requirements (6 credits)**

HIST 373	Research and Writing in History	3.0
HIST 470	Seminar: Topics in History	3.0

EDUC 411 fulfills the History major internship requirement.

**Three more courses, distributed as follows (9 credits)**

- At least one course must be from each of the following three areas,
- At least two courses must be 300-level history courses, and
- at least one course must focus mainly on a time period before 1500 (i.e., an ancient or medieval period); the ancient/medieval courses are: HIST 202, HIST 300, HIST 309, HIST 312, HIST 314, HIST 347, HIST 354, HIST 365, HIST 366, HIST 371A and are noted as (E) for “Early” after course description:

**One course in American History (3 credits)**

HIST 318	Colonial and Revolutionary America	3.0
HIST 319	The Civil War and Reconstruction	3.0
HIST 320	America in the Sixties	3.0
HIST 338	The Gilded Age and Progressive Era, 1877-1929	3.0
HIST 339	New Deal America, 1929-2000	3.0
HIST 353	US Foreign Relations since World War II	3.0
HIST 358	African Americans and Sports	3.0

HIST 359	Black Women in America	3.0
HIST 371B	Topics in American History	3.0
HIST 376	American Frontiers	3.0
HIST 377	Civil Rights and Black Power	3.0
HIST 378	Blacks and American Law	3.0
HIST 379	Making of the American City	3.0
HIST 380	The Native American Experience	3.0

**One course in European History (3 credits)**

HIST 202	Medieval Europe	3.0
HIST 300	From Celts to Vikings 400-1000	3.0
HIST 306	Heresy and Society in Europe, 1400-1800	3.0
HIST 312	Women in Medieval Europe	3.0
HIST 314	Medieval and Tudor England	3.0
HIST 349	Europe in the Age Total War	3.0
HIST 354	Medieval Warfare	3.0
HIST 365	The Ancient Near East and Greece	3.0
HIST 366	Ancient Rome	3.0
HIST 371A	Topics in Early History	3.0
HIST 371C	Topics in Modern European History	3.0

**One course in Global History (3 credits)**

HIST 246	Modern Africa, 1400-Present	3.0
HIST 309	Islam & the Crusades	3.0
HIST 330	Cultural Encounters in LatAm Hist	3.0
HIST 347	The Indigenous World	3.0
HIST 356	Global Empires I	3.0
HIST 357	Global Empires II	3.0
HIST 371D	Topics in World History	3.0

**INTEGRATED MARKETING COMMUNICATION, B.A.**

**Directors:** Katherine Orloff and Jerrold Van Winter

Integrated Marketing Communication combines both management courses and communications courses in a way that students can understand the theory of organizations; the process of communicating information about a product, service or organization; the role of the marketing and public relations professional within an organization; and the central importance of the consumer in making decisions.

The major focuses on both the management function of public relations and marketing pro-fessionals, and the communication functions of developing a brand identity and marketing it across a variety of media to a target audience. With an increasingly diverse society, it is no longer enough to develop an advertising campaign that aims at the broadest possible audience. Strategic marketing communication that integrates the message of an organization and targets it across both traditional and emerging social media is the wave of the future.

**REQUIREMENTS FOR THE MAJOR**

**Requirements for the Major - 48 credits**

CMA 201	Media Writing I	3.0
	or	
CMA 306	Business Writing in the Digital Age	3.0
CMA 226	Visual Media Production	3.0
CMA 305	Communications Law	3.0
CMA 310	Public Relations	3.0
CMA 312	Introduction to Communication Research	3.0
	or	
MGMT 423	Marketing Research Methods	3.0
CMA 313	Writing for Public Relations	3.0
CAMG 330	Social Media Marketing	3.0
CAMG 399	Internship in Integrated Marketing Comm	3.0
CMA 411	Public Relations Campaigns	3.0

CMA 470/IMC 470	Seminar in Communication Ethics	3.0
MGMT 205	Principles of Management: Introduction to Organizations	3.0
MGMT 281	Principles of Financial Accounting	3.0
MGMT 301	Organizational Theory and Behavior	3.0
MGMT 306	Principles of Marketing	3.0
MGMT 406	Consumer Behavior and Analysis	3.0
MGMT 424	Marketing Communications Strategy	3.0

**Recommended to complete Quantitative Literacy section of core:**

One of the following:

MATH 112	Applied Statistics	3.0
PSY 211	Elementary Statistics	3.0
ECMG 212	Statistics for Economics & Management	3.0

**Recommended electives:**

CMA 207	Principles of Speech Communication	3.0
CMA 246	Graphic Design I	3.0
ECON 205	Principles of Macroeconomics	3.0

**LAW AND CRIMINAL JUSTICE MAJOR, B.A.**

The Law and Criminal Justice major at Hood College is a unique and distinctive program. The major offers two areas of study with separate objectives and goals.

The Law component offers students a rigorous curriculum that prepares students for law school and careers in the legal profession. The Criminal Justice component provides students with a challenging curriculum that examines the nexus between law enforcement, the judicial process, and the correctional system. Both focus areas are grounded in an interdisciplinary approach that is central to the liberal arts tradition.

An internship is recommended for the Law component and is required for Criminal Justice. Past internship sites for both areas have included the American Civil Liberties Union (ACLU), Children's Defense Fund, Maryland State's Attorney's Office, the Public Defender's Office, Frederick County Sheriff's Office, State of Maryland Division for Parole and Probation, and private attorney offices.

**REQUIRED FOR ALL MAJORS:**

**Courses:**

CJ 230	Introduction to Criminal Justice	3.0
LWPS 230	Introduction to Law	3.0
MATH 112	Applied Statistics	3.0
	or	
PSY 211	Elementary Statistics	3.0
	or	
PSCI 205	Methods of Political Inquiry	3.0
PHIL 221	Ethics	3.0
PSCI 307	American Constitutional Law	3.0

**Law:**

LW 300	Legal Research and Writing	3.0
LW 470	Seminar in Law	3.0
PHIL 207	Logic	3.0
PHIL 308	History of Philosophy: The Early Modern Era to the 20th Century	3.0
	or	
PSCI 333	Modern Political Thought	3.0
PSCI 336	Gender and the Law	3.0
PSCI 405/PSCI 505	Civil Liberties	3.0



**Two courses from the following:**

CMA 305	Communications Law	3.0
ECON 205	Principles of Macroeconomics	3.0
HON 304	Censorship in America	3.0
PSCI 308	Criminal Law	3.0
REL 342	From Abolitionism to Human Rights	3.0

**Criminal Justice:**

CJ 300	Criminalistics	3.0
CJ 399	Internship in Criminal Justice	3.0 - 15.0
	or	
LWCJ 401A	Pre-Law Clinic Seminar and	3.0
	and	
LWCJ 401B	Pre-Law Clinic	3.0
CJ 470	Sr Seminar in Criminal Justice	3.0
PSCI 308	Criminal Law	3.0
PSCI 302	9/11 in Global Perspective	3.0
	or	
PSCI 200	Political Violence and Terrorism	3.0
SOC 215	Social Problems	3.0

**Two courses from the following:**

PSCI 336	Gender and the Law	3.0
PSY 319	Drugs & Behavior	3.0
PSY 370I	Seminar: Psychological Bases of Criminal Behavior	3.0
	or	
SOC 216	Criminology	3.0
SOC 300	Social Inequality	3.0
SOC 310	Topics in Sociology	3.0
SOC 323	Ethnicity in the United States	3.0
SOC 353	Deviance and Social Control	3.0
SOSW 217	Juvenile Delinquency and Juvenile Justice	3.0
SOSW 312	Addictions	3.0

**MATHEMATICS MAJOR, B.A.**

The mathematics major is composed of courses in both pure and applied mathematics. Class sizes are small, and courses are taught with an emphasis on active learning, collaboration, and the use of technology. Students are encouraged to participate in undergraduate research, to attend regional and national conferences, and to apply for internships. Mathematics graduates are prepared for a wide variety of careers in industry, in government, and in education, as well as for graduate study in mathematics and related fields.

**REQUIREMENTS FOR THE MAJOR**

(Majors pursuing Secondary Education Certification should see *Mathematics Secondary Education Certification* (p. 80).)

*A student may declare a major in mathematics only after completing MATH 202 Calculus II or equivalent with a grade of C or better.*

**The following courses comprise the mathematics major:**

CS 201	Computer Science I	4.0
MATH 201	Calculus I	4.0
MATH 202	Calculus II	4.0
MATH 207	Discrete Math	3.0
MATH 213	Statistical Concepts and Methods	4.0
MATH 253	Multivariable Calculus	4.0
MATH 333	Introduction to Abstract Mathematics	3.0
MATH 339	Linear Algebra	3.0
MATH 440	Introduction to Abstract Algebra	3.0
MATH 453	Introduction to Real Analysis	3.0
MATH 470	Seminar: The History of Mathematics	3.0

**Choose two of the following**

MATH 304	Differential Equations	3.0
MATH 320	Modeling and Simulation	3.0

MATH 351	Probability and Statistics	3.0
MATH 456	Numerical Analysis	3.0

Students are also encouraged to take PHIL 207 Logic and several computer science electives.

The mathematics major can be combined with other disciplines (such as biology, business administration, chemistry, computer science or economics) in a double-major program; this option is particularly useful for those interested in the use of quantitative methods in the other discipline. The mathematics major also can complement study in another discipline that is less directly related to it; the broader a student's background, the more choices and opportunities are available.

**MATHEMATICS SECONDARY EDUCATION CERTIFICATION**

Mathematics majors may wish to obtain certification to teach mathematics at the secondary level. Students who complete the secondary education program receive certification to teach in Maryland upon graduation, along with reciprocity for teaching in certain other states.

**REQUIREMENTS FOR THE MAJOR WITH CERTIFICATION****Required:**

CS 201	Computer Science I	4.0
MATH 201	Calculus I	4.0
MATH 202	Calculus II	4.0
MATH 207	Discrete Math	3.0
MATH 213	Statistical Concepts and Methods	4.0
MATH 253	Multivariable Calculus	4.0

MATH 320	Modeling and Simulation	3.0
	or	
MATH 351	Probability and Statistics	3.0

MATH 333	Introduction to Abstract Mathematics	3.0
MATH 336	Introduction to Modern Geometry	3.0
MATH 339	Linear Algebra	3.0
MATH 440	Introduction to Abstract Algebra	3.0
MATH 453	Introduction to Real Analysis	3.0
MATH 470	Seminar: The History of Mathematics	3.0

MATH 440, MATH 453: Students need to consult with the adviser for the appropriate course.

Subtotal: 44.0

In addition, students must meet the requirements specified under Education, *Secondary Education Certification*.

Students who are considering seeking secondary education certification in mathematics should consult with the Departments of Mathematics and Education as soon as possible.

**MUSIC MAJOR WITH MUSIC HISTORY AND LITERATURE CONCENTRATION, B.A.**

The music history and literature concentration requires a 39 credits in music, with at least 15 credits at the 300 level or above. Transfer students must complete at least 12 credits of their major at Hood, including the senior project, MUSC 301 and 6 other credits of music history or theory, as appropriate.

**REQUIREMENTS FOR THE MAJOR****Required:**

MUSC 100	Fundamentals of Music	3.0
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	or Exemption Exam	
MUSC 101	Beginning Music Theory & Musicianship I	3.0
MUSC 102	Beginning Music Theory & Musicianship II	3.0
MUSC 103	Introduction to Music	3.0
MUSC 201	Intermediate Music Theory & Musicianship	3.0
MUSC 299	Special Topics in Music	3.0
MUSC 301	Advanced Music Theory/Form & Analysis	3.0
MUSC 302	World Music	3.0
MUSC 303	Music History and Literature I	3.0
MUSC 304	Music History and Literature II	3.0
MUSC 470	Senior Project: Music History and Lit	3.0
	or	
MUSC 499	Departmental Honors	6.0
	4 credits of applied music in any area	4.0
	2 credits of music ensemble	2.0

Successful completion of a Piano Proficiency Exam or completion of 4 credits of piano (two of which must be earned at Hood.)

**Piano Proficiency Examination Requirements**

Students will be expected to: (1) be able to play all major and minor scales, parallel motion, two octaves and primary chords in all keys, (2) play two pieces of early intermediate difficulty in contrasting styles (e.g., a selection from the “Anna Magdalena Bach Notebook,” a quick movement from a classical sonatina, a selection from Schumann’s “Kinderszenen,” etc.) and (3) sight-read a chorale or easy piano piece. It is strongly recommended that this exam be taken no later than first semester of the junior year, so that there will be sufficient time left for any remedial piano that may be needed.

**MUSIC MAJOR WITH MUSIC PERFORMANCE CONCENTRATION, B.A.**

Students can major in the following areas of performance: voice, piano, organ, harpsichord, violin, viola, cello, string bass, flute, oboe, English horn, clarinet, saxophone, trumpet, trombone, tuba, French horn, euphonium, guitar, composition, and conducting.

The music performance concentration requires 40 credits in music, with at least 15 credits at the 300 level or above. Students must audition for the department before declaring a major in music performance. Transfer students are required to complete at least 12 credit hours of their major at Hood, including 6 credits of applied music, MUSC 301, the senior recital, and at least one semester of music history. Credits earned by exam do not count toward the minimum credits to be earned at Hood.

**REQUIREMENTS FOR THE MAJOR**

**Required:**

MUSC 100	Fundamentals of Music or Exemption Exam	3.0
MUSC 101	Beginning Music Theory & Musicianship I	3.0
MUSC 102	Beginning Music Theory & Musicianship II	3.0
MUSC 201	Intermediate Music Theory & Musicianship	3.0
MUSC 301	Advanced Music Theory/Form & Analysis	3.0

MUSC 302	World Music	3.0
MUSC 303	Music History and Literature I	3.0
MUSC 304	Music History and Literature II	3.0
MUSC 474	Junior Recital	1.0
MUSC 475	Senior Recital	2.0
	10 credits of applied music in the area of the performance major	10.0
	3 credits of music ensemble	3.0

Successful completion of a Piano Proficiency Examination or completion of 4 credits of piano (two of which must be earned at Hood.)

**Piano Proficiency Examination Requirements:**

Students will be expected to: (1) be able to play all major and minor scales, parallel motion, two octaves and primary chords in all keys, (2) play two pieces of early intermediate difficulty of contrasting styles (e.g., a selection from the “Anna Magdalena Bach Notebook,” a quick movement from a classical sonatina, a selection from Schumann’s “Kinderszenen,” etc.) and (3) sight-read a chorale or easy piano piece. It is strongly recommended that this exam be taken no later than first semester of the junior year, so that there will be sufficient time left for any remedial piano that may be needed.

**MUSIC MAJOR WITH PIANO PEDAGOGY CONCENTRATION, B.A.**

The piano pedagogy concentration is designed for students with strong piano skills who are more interested in becoming a private teacher than in being a performer. The concentration requires 39 credits in music, 15 credits of which must at the 300 level or above. Students must be approved by the department before declaring this major; this would normally be done at the applied music exam preceding the semester of declaration. Transfer students are required to complete at least 13 credit hours of their major at Hood, including 6 credits of applied music, MUSC 301, the junior recital, the independent study in piano pedagogy and the senior project in piano pedagogy.

**REQUIREMENTS FOR THE MAJOR**

**Required:**

MUSC 100	Fundamentals of Music or Exemption Exam	3.0
MUSC 101	Beginning Music Theory & Musicianship I	3.0
MUSC 102	Beginning Music Theory & Musicianship II	3.0
MUSC 201	Intermediate Music Theory & Musicianship	3.0
MUSC 301	Advanced Music Theory/Form & Analysis	3.0
MUSC 303	Music History and Literature I	3.0
MUSC 304	Music History and Literature II	3.0
MUSE 261	Piano Ensemble I	0.5
MUSE 262	Piano Ensemble II	0.5
MUSC 375	Independent Study	1.0 - 3.0
MUSC 471	Senior Project: Piano Pedagogy	3.0
MUSC 474	Junior Recital	1.0
	8 credits of applied piano	8.0
	1 credit of ensemble	1.0
	1 credit of applied harpsichord	1.0

*Applied Piano: 6 credits must be at the 200 level or above*

*NOTE: The one credit of ensemble must be in addition to MUSE 261 or MUSE 262*

## NURSING MAJOR, BSN

**Director:** Linda Kennedy

### BACHELOR OF SCIENCE IN NURSING

Hood College offers a Bachelor of Science in Nursing designed to educate students to become safe nurses and to prepare them to take the NCLEX examination. The program provides basic nursing education along with the required competencies for nursing in today's health care environment. With a curriculum grounded in the liberal arts, natural sciences, and nursing courses focusing on leadership, research and evidence-based practice, critical thinking, and nursing theory and communication, students are well prepared to enter the field of nursing. Nursing students must also meet all requirements of the Hood College Core Curriculum.

#### Nursing Required Courses:

Prior to beginning the nursing courses, students must complete 24 credits of core courses or courses required for the nursing major. A composite grade point average of 2.75 and a grade of C or higher in all required courses must be maintained. BIOL 104 (p. 113), Anatomy and Physiology for Nurses I, BIOL 204 (p. 115), Anatomy and Physiology for Nurses II, CHEM 100 (p. 121), The Chemical World or CHEM 101 (p. 121), General Chemistry I, and PSY 101 (p. 176), Introduction to Psychology must be completed prior to beginning the nursing courses.

Students who extend their program, for academic or other reasons, will be required to validate basic skills and assessment competencies, complete any required remediation, and submit a written action plan for success to the BSN Program Director, all prior to resuming coursework. Students who have more than 1 semester of leave from the program may be required to complete a standardized written assessment to determine if the minimum knowledge competency has been maintained. If the student does not meet the benchmark on the written assessment, a course/courses may need to be repeated to achieve the minimum competency needed to progress in the program.

Students who need to repeat a nursing course which necessitates them waiting until the course is offered after the next semester, will resume their program of study under the most current curriculum.

BIOL 104	Anatomy & Physiology for Nurses I	4.0
BIOL 204	Anatomy & Physiology for Nurses II	4.0
BIOL 232	Microbiology for Nurses	4.0
CHEM 100	The Chemical World	4.0
	or	
CHEM 101	General Chemistry I	4.0
CHEM 105	Molecular Basis of Nutrition	3.0
MATH 112	Applied Statistics	3.0
	or	
ECMG 212	Statistics for Economics & Management	3.0
	or	
PSY 211	Elementary Statistics	3.0
PHIL 221	Ethics	3.0
PSY 101	Introduction to Psychology	3.0
PSY 239	Developmental Psychology	3.0
SOC 101	Principles of Sociology	3.0

The requirement for PHIL 221 can also be satisfied by an approved substitute. Please see the department chair for more information.

#### Nursing Requirements: For students who entered Level 2 of major in Fall 2019 or prior

NUR 201	Fundamentals of Professional Nursing	5.0
NUR 203	Concepts of Pharmacology and Pathophysiology	5.0

NUR 205*	Adult Health I	6.0
NUR 303	Health Assessment	3.0
NUR 304	Informatics and Health Care Technology	3.0
NUR 305*	Adult Health II	5.0
NUR 306*	Mental Health Nursing	5.0
NUR 307*	Pediatric Nursing	5.0
NUR 308*	Maternity Nursing	5.0
NUR 309	Issues in Contemporary Health Care	3.0
NUR 401	Nursing Research & Evidenced-Based Practice	3.0
NUR 403	Community Health Nursing	4.0
NUR 404	Leadership in Nursing Practice	3.0
NUR 470	Senior Seminar & Practicum	6.0

\* Students who entered Level 2 of major in Fall 2019 or prior should refer to 2019-2020 academic catalog course description.

#### Nursing Requirements: For students entering Level 2 of major in Fall 2020 or later

NUR 200	Foundations of Professional Nursing	3.0
NUR 201	Fundamentals of Professional Nursing	5.0
NUR 203	Concepts of Pharmacology and Pathophysiology	5.0
NUR 205	Adult Health I	7.0
NUR 303	Health Assessment & Promotion	3.0
NUR 304	Informatics and Health Care Technology	3.0
NUR 305	Adult Health II	7.0
NUR 306	Mental Health Nursing	4.0
NUR 307	Pediatric Nursing	4.0
NUR 308	Maternity Nursing	4.0
NUR 397	Special Topics	3.0
NUR 401	Nursing Research & Evidenced-Based Practice	3.0
NUR 403	Community Health Nursing	4.0
NUR 404	Leadership in Nursing Practice	3.0
NUR 470	Transition to Practice/Senior Practicum	6.0

## PHILOSOPHY MAJOR, B.A.

The philosophy major introduces students to the major figures and important philosophical issues in the contemporary world as well as to those in the world's philosophical traditions.

### REQUIREMENTS FOR THE MAJOR

The major requires a minimum of 30 credits in philosophy at the 200 level or above, as well as a minimum of 15 credits at the 300 level or above, including the following philosophy courses:

<b>Required:</b>		
PHIL 207	Logic	3.0
PLRL 470	Senior Seminar	3.0

#### Ethics: Take at least two of the following:

ENPL 267	Thematic Studies: Vice and Virtue	3.0
PHIL 203	Philosophical Issues in Feminism	3.0
PHIL 221	Ethics	3.0
PLRL 219	Ethics & Leadership	3.0
PHIL 220	Professional Ethics	3.0
PHIL 315/HON 315	Literature of Moral Reflection	3.0
PHIL 319	Biomedical Ethics	3.0
REL 342	From Abolitionism to Human Rights	3.0

#### Non-Western Philosophy: Take at least one of the following:

PLRL 301	Indian Thought	3.0
PLRL 306	Chinese Thought	3.0
REL 304	Islam	3.0

**Western Philosophical Tradition Take at least three of the following**

PLRL 205	Classical Religion & Philosophy	3.0
PHIL 305	Great Figures in Western Political Thought	3.0
PHIL 307	History of Philosophy: The Ancient World to the Renaissance	3.0
PHIL 308	History of Philosophy: The Early Modern Era to the 20th Century	3.0
PHIL 360	Topics in Ancient Greek Philosophy	3.0

**Two additional electives in philosophy (PHIL or PL) or from the courses listed below:**

REL 304	Islam	3.0
REL 342	From Abolitionism to Human Rights	3.0
PSCI 304	Philanthropy and Civic Life	3.0
PSCI 332	Ancient Medieval Political Thought	3.0
PSCI 333	Modern Political Thought	3.0

Subtotal: 6.0

Department faculty urge students who wish to pursue graduate study in philosophy to take more than the minimum number of hours required to complete a major.

**POLITICAL SCIENCE MAJOR, B.A.**

A major in political science prepares students for a wide variety of careers in the public or private sectors, such as law; public administration at local, state or federal levels; or community advocacy. Combined with study in related disciplines, the political science major is a strong liberal arts program. It also is suitable for a double major combined with business administration, economics, history, or a similar discipline.

The political science courses cover four areas in the discipline: U.S. politics and policy, comparative politics and international relations, law, and political theory. Students are required to take courses in each of these concentrations. Students who plan to do graduate work in political science or public administration should take courses at the 300 and 400 level in as many of these concentrations as possible. In addition, they are encouraged to take statistics and economics in preparation for graduate study.

Students interested in careers in public service or international relations are strongly encouraged to develop proficiency in at least one foreign language. Those who plan to enter law school should work closely with the College’s pre-law advisers and should also take courses in economics and logic to improve their research and writing skills.

Internships are strongly recommended and are available at local, state and federal levels. Because of Hood’s location near Washington, D.C., and within reach of the state capital, students have an unparalleled opportunity to observe firsthand the workings of government. Hood cooperates with the Washington Semester Program at American University. The department also provides students with a number of opportunities to participate in simulations of political processes, including simulations of the Maryland state legislature and the United Nations. Political science faculty serve as advisers for these activities.

The political science major provides students with an introduction to decision making at various levels of government, an understanding of public policy formation, and of the correlation between political and economic problems. It also provides experience in research, exposure to the practical world of politics, and an appreciation of the need for good writing skills.

**REQUIREMENTS FOR THE MAJOR**

The major in political science requires a minimum of 36 credits of political science courses comprised of required and elective courses; 15 credits must be at the 300 level or above.

**Required:**

PSCI 203	Introduction to U.S. Politics	3.0
PSCI 205	Methods of Political Inquiry	3.0
PSCI 210	Comparative Politics	3.0
	or	
PSCI 215	International Relations	3.0
PSCI 303	Public Policy Analysis	3.0
PSCI 333	Modern Political Thought	3.0
	or	
PSCI 332	Ancient Medieval Political Thought	3.0
PSCI 470	Seminar on Politics	3.0

**Students are required to take one of the following courses:**

AFPS 240	African American Politics	3.0
GLBS 345	Global Perspectives on Women, Power and Politics	3.0
PSCI 202	Women & Politics	3.0
PSCI 336	Gender and the Law	3.0

Students must complete a minimum of 15 additional PSCI credits to meet the 36 credit minimum required for the major.

*It is recommended that political science majors take ECON 205 Principles of Macroeconomics. In addition, competency in a foreign language is recommended.*

**PRE-PROFESSIONAL STUDIES**

**Programs Offered:**

- Pre-Law Studies (p. 83)
- Pre-Medical and Pre-Dental Studies (p. 83)
- Pre-Veterinary Studies (p. 84)

**PRE-PROFESSIONAL PREPARATION**

**PRE-LAW STUDIES**

Although there is no specific pre-law curriculum, a strong foundation in the liberal arts, with emphasis on such subjects as English language and literature, political science, sociology, philosophy and logic, history or economics is highly recommended.

Virtually all law schools require the Law School Admission Test for admission. Students intending to go to law school directly after graduation should visit the Center for Department of Law and Criminal Justice to receive assistance with program planning and with the law school application process.

**PRE-MEDICAL AND PRE-DENTAL STUDIES**

**Health Professions Adviser:** Tiziana Cavinato, Center for Career Development and Experiential Education

Medical schools prefer students who have a broad background in the humanities and social sciences. The following courses, specified in the Medical School Admissions Requirements, are most often the minimum required by professional schools in the United States and Canada. These courses should be completed by the end of the junior year.

**Biology**

8 credits of biology at the 200 level. Recommended:

BIOL 202	Physiology of Plants & Animals	4.0
BIOL 203	Introduction to Cell Biology & Genetics	4.0

**Chemistry**

CHEM 101	General Chemistry I	4.0
CHEM 102	General Chemistry II	4.0
CHEM 209	Organic Chemistry I	4.0
CHEM 210	Organic Chemistry II	4.0
CHEM 301	Biological Chemistry I	4.0

**English**

English composition course		
ENGL 100	Elements of Composition or	4.0
ENGL 110- 139	Writing About Literature	3.0
	English Composition Course	3.0- 4.0

plus another semester of a writing-intensive course

**Physics**

PHYS 101	General Physics and	4.0
PHYS 102	General Physics or	4.0
PHYS 203	Introductory Physics I and	4.0
PHYS 204	Introductory Physics II	4.0

General Physics requires MATH 120

Introductory Physics requires Calculus

**Recommended Courses:**

The courses listed below are strongly recommended, but not strictly required, by professional schools. These courses are also best completed by the end of the junior year in order to prepare for the Medical College Admission Test or the Dental Admission Test. Each student should decide, in consultation with a member of Hood's Health Professions Advisory Committee, whether or not to take additional science courses.

BIOL 307	Intro Human Anatomy & Physiology	4.0
BIOL 316	Genetics	4.0
BIOL 331	Microbiology	4.0
BIOL 339	Cell Biology	4.0
CHEM 301	Biological Chemistry I	4.0
PSY 101	Introduction to Psychology	3.0
SOC 101	Principles of Sociology	3.0

Most schools require a year of English, some require calculus and many encourage the study of philosophy or ethics.

1. The undergraduate cumulative average;
2. The results of the Medical College Admission Test or Dental Admission Test;
3. Evaluations from Hood faculty and the Health Professions Advisory Committee;
4. A personal interview, if the professional school requests it;
5. Off-campus experience in community service or in health professions activities.

Hood's Health Professions Advisory Committee members not only provide advice on preparation for medical, dental and veterinary schools, but also write composite letters of recommendation to accompany an eligible student's applications.

Although biology, biochemistry and chemistry are the majors most often chosen, the student may major in any area. In any case, the student must earn a competitive grade point average (3.5 or higher is typical of successful candidates) and must show proficiency in the sciences. The selection of courses and choice of major should be discussed with the

health professions adviser or a member of the Health Professions Advisory Committee early in the student's program.

The MCAT and DAT tests are given throughout the year. The appropriate test should be taken in the spring or early summer of the junior year after the student has had the minimum science courses listed above.

**Five important factors in being admitted to medical or dental school are:**

For more information, please feel free to talk with the health professions adviser or any member of the Health Professions Advisory Committee.

**PRE-VETERINARY STUDIES**

**Health Professions Adviser:** Tiziana Cavinato, Center for Career Development and Experiential Education

Admission into a veterinary school is among the most difficult of any post-baccalaureate program. Veterinary medical schools require students to be prepared with a strong grounding in the sciences (in particular biochemistry, chemistry and microbiology) balanced by coursework in the humanities, social sciences and mathematics.

In addition to demonstrating exceptional ability in the classroom, most veterinary schools also expect students to have had hands-on experience under the tutelage of an experienced veterinarian.

Students interested in entering the veterinary profession should contact the health professions adviser for information about the application process and veterinary schools.

**PSYCHOLOGY MAJOR, B.A.**

The major in psychology covers aspects of human and animal behavior ranging from the firing of a single neuron to the death and dying process. Psychology can prepare students for various entry-level jobs in social services, mental health, management, or almost any area that requires a broad liberal arts education. The psychology major can also be the basis for admission to graduate or professional training in psychology, social work, business, medicine, and law, for example. The possibilities can include many other areas and can be enhanced by the selection of elective courses and participation in complementary experiences.

Opportunities exist for internships, and, in the past, students have worked with hospitalized children, with adolescents and adults in outpatient treatment facilities and community mental health agencies, as well as in a number of business settings. Previous settings include: the National Institute of Mental Health, the Johns Hopkins University Hospital, the Federal Bureau of Investigation, the White House, Monocacy Neurodevelopmental Center, the Maryland School for the Deaf, the Jefferson School, and the Frederick County Hotline.

**REQUIREMENTS FOR THE MAJOR**

Psychology majors must complete 12 courses (a minimum of 38 credits) in psychology, including at least 7 (23 credits) at the 300 level or above. A minimum of 12 credits in psychology must be taken at Hood. (If a major's psychology GPA drops to between 1.75 - 1.99, the student will be placed on provisional status and will have one semester to bring their GPA up to the minimum 2.0 needed. If a major's psychology GPA drops below 1.75, the student will be dropped from the major, reverting to an "undeclared" major status.)

**Foundation Requirements**

PSY 101	Introduction to Psychology	3.0
PSY 211	Elementary Statistics	3.0

PSY 312	Research Methods I	4.0
PSY 315	Research Methods II	4.0

PSY 101, PSY 211, and PSY 312 must be completed with a grade of C- or better to count in the major and to fulfill the prerequisite for higher level courses.

Statistics courses completed in another discipline will fulfill the requirement but will not count toward the 38-credit minimum in psychology courses.

**Major Requirements**

PSY 205	Social Psychology	3.0
PSY 239	Developmental Psychology	3.0
PSY 300	Cognitive Psychology	3.0
	or	
PSY 301	Human Memory	3.0
PSY 401	Theories of Personality	3.0
	or	
PSY 431	Abnormal Psychology	3.0
PSY 409	Learning and Memory	3.0
	or	
PSY 456	Behavior Modification	3.0
PSY 400	Neuropsychology	3.0
	or	
PSY 418	Physiological Psychology	3.0
PSY 441	History of Psychology	3.0
	One additional PSY elective	3.0

**Additional requirements and considerations:**

- All majors must take the ETS's Major Specific Test in their senior year.
- All majors are encouraged to complete at least one experiential learning experience along with their major in psychology. Complementary experiences include, but are not limited to:
  - a research assistantship (requires faculty approval)
  - an internship (requires departmental approval)
  - an Honors Project (requires departmental selection)
  - a foreign language proficiency or study abroad (see College catalog)
  - a teaching assistantship (requires faculty selection)
  - an independent study (requires faculty approval)
  - a double major or minor(s) (see Undergraduate Majors (p. 55) and Undergraduate Minors (p. 88))

Students should consult with their advisor about which experiential learning experiences are best for them depending on their long-term goals and short-term plans after graduation. Juniors and seniors considering applying to graduate school are strongly encouraged to meet with their advisor, who can advise and edit personal statements and CVs prior to their submission.

**BA/MS DUAL DEGREE IN PSYCHOLOGY/COUNSELING**

The Psychology and Counseling Department offers a dual degree (B.A./M.S.) for motivated, academically talented students. Students will complete the undergraduate Bachelor of Arts major in Psychology (p. 84) and the Master of Science in Counseling (p. 210) with a specialization in either Clinical Mental Health Counseling or in School Counseling. Due to the condensed nature of the dual degree program, interested students will be expected to take electives over the summer to be able to complete their

undergraduate degree within three years, with a 3.25 GPA in the Psychology major and a 3.00 cumulative GPA. Students will plan their coursework with a faculty advisor during their first semester at the College (undergraduate students who transfer to Hood may be admitted into the accelerated program, but they may need to add extra time to complete both degrees). Admission to the M.S. in Counseling program is not automatic; upon completion of the undergraduate degree, accelerated students will still need to apply to the program.

**PUBLIC HEALTH MAJOR, B.A.**

The public health major requires foundation and elective courses from different liberal arts as well as specialized public health courses. The foundation courses meet Core Curriculum requirements. A two semester capstone field practicum requires students apply public health knowledge and practices in a specific practice setting. At least a C- must be earned in all listed requirements in order to advance in the major. Senior standing and an overall and major GPA of 2.00 is required to enroll in PH 445/446. A total of 58 credits are required for the major.

**REQUIREMENTS FOR THE MAJOR**

**Foundation Requirements (10 credits)**

BIOL 112	Biology of Food & Nutrition	4.0
BIOL 138	The Human Health Mosaic	3.0
PHIL 221	Ethics	3.0

**Public Health Courses (42 credits)**

PH 101	Introduction to Public Health	3.0
PH 102	Introduction to the US Healthcare System	3.0
PH 201	Research Methods in Public Health	3.0
PH 202	Biostatistics in Public Health	3.0
PH 203	Social/Behavioral Aspects of Pub Health	3.0
PH 204	Environmental Health	3.0
PH 205	Concepts of Disease/Population Health	3.0
PH 301	Public Health Communication/Marketing	3.0
PH 302	Epidemiology	3.0
PH 303	Regulatory Dimensions of Public Health	3.0
PH 445A	Public Health Capstone Experience 1A	4.0
PH 445B	Public Health Capstone Experience 1B	2.0
PH 446A	Public Health Capstone Experience 2A	4.0
PH 446B	Public Health Capstone Experience 2B	2.0

**Recommended Electives-Select Two (6 credits)**

BIOL 134	The Biology of Cancer	3.0
CHEM 105	Molecular Basis of Nutrition	3.0
MGMT 205	Principles of Management: Introduction to Organizations	3.0
PHIL 316/HON 316	Perspectives in Global Health	3.0
PHIL 319	Biomedical Ethics	3.0
PSY 204	Psychology of Death	3.0
PSY 319	Drugs & Behavior	3.0
PSY 373	Psychology of Aging	3.0
PYSO 221	Social Gerontology	3.0
SOC 311	Sociology of Gender	3.0
SOC 323	Ethnicity in the United States	3.0
SOSW 312	Addictions	3.0
SOWK 325	From the Hospital to Home: Social Work and Community Behavioral Health	3.0

**SOCIAL WORK MAJOR, B.A.**

**Director:** Michelle Gricus

The social work program is accredited for undergraduate social work education by the Council on Social Work Education. The social work major, based on a foundation in the liberal arts, provides professional

preparation for employment in social work, social services and other fields of human service. Graduates are prepared for generalist social work practice, useful in a variety of practice settings, including child welfare, corrections, services to older adults, community organization, mental health, family services and health services.

Beyond the liberal arts core, students majoring in social work must complete courses in human behavior and the social environment, social research, social policy and social service institutions and social work methods. Particularly important is the field practicum during senior year, where students apply social work theories of practice and research in one of a variety of settings. Specific practice settings vary each year, but may include child welfare or adult care in county departments of social service, corrections settings, school-based services for middle school and high school age youth, long term care facilities, assisted living centers and mental health services. The choice of field setting is tailored to interests and learning needs of individual students. Many social work majors choose to minor in criminology and delinquency or in gerontology, and field and volunteer experiences in related settings allow students to explore their individual interests. Often the field experience leads to employment upon graduation. In addition, successful completion of the undergraduate degree may result in advanced standing for graduate social work studies.

The program actively subscribes to Hood's policies regarding nondiscrimination in employment and student admissions.

### REQUIREMENTS FOR THE MAJOR

The social work major requires foundation courses from a number of different liberal arts disciplines plus specialized social work courses, including one elective in social work and one from the list of recommended electives in a social or behavioral science. Many of the foundation courses meet Core Curriculum requirements. (Note: Social work students must gain an understanding of biological development across the life span. At Hood, this requirement is fulfilled with BIOL 138. Coursework completed at other colleges will satisfy this requirement only if exclusively devoted to human biology.) A minimum of 64 credits is required for the major, inclusive of foundation courses.

**A grade of "C-" or above is required in all courses with a SOWK prefix and in SOC 260 and SOC 261. (Social work majors must earn a grade of C+ or above in SOWK 201 to continue in the major.)**

#### Foundation Courses

BIOL 138	The Human Health Mosaic	3.0
ECON 205	Principles of Macroeconomics	3.0
	or	
SOC 300	Social Inequality	3.0
SOC 101	Principles of Sociology	3.0
SOC 215	Social Problems	3.0
SOC 260	Methods of Social Research	3.0
SOC 261	Quantitative Methods for the Social Sciences	3.0
SOC 323	Ethnicity in the United States	3.0

#### Social Work Courses

SOWK 201	Introduction to Social Work and the Human Services	4.0
SOWK 301	Social Policy and Human Service Programs	3.0
SOWK 327	Gerontological Social Work: Policy and Practice	3.0
SOWK 342	Social Work Methods I	3.0
SOWK 345	The Human Lifecycle and the Social Environment	3.0

SOWK 346	Human Rights and Social Justice	3.0
SOWK 442	Social Work Methods II	3.0
SOWK 445A	SoWk Field Practicum	4.0
SOWK 445B	SoWk Field Seminar	2.0
SOWK 446A	SoWk Field Practicum	4.0
SOWK 446B	SoWk Field Seminar	2.0
SOWK 452	Seminar on the Social Work Profession	3.0

**Select either two social work electives or one social work elective and one recommended elective.**

#### Social Work Electives:

SOWK 214	Child Welfare: Policies and Services	3.0
SOSW 217	Juvenile Delinquency and Juvenile Justice	3.0
SOWK 299	Special Topics	3.0
SOWK 302	Forensic Social Work	3.0
SOSW 312	Addictions	3.0
SOWK 325	From the Hospital to Home: Social Work and Community Behavioral Health	3.0
SOWK 330	Social Work with Families	3.0

#### Recommended Electives:

AFAM 251	The African Diaspora	3.0
ANTH 201	Introduction to Anthropology	3.0
PSY 204	Psychology of Death	3.0
PSY 208	Psychology of Adolescence	3.0
PYSO 221	Social Gerontology	3.0
PSY 239	Developmental Psychology	3.0
PSY 373	Psychology of Aging	3.0
PSY 431	Abnormal Psychology	3.0
SOC 216	Criminology	3.0
SOC 300	Social Inequality	3.0
SOC 311	Sociology of Gender	3.0
SOC 318	Global Social Problems	3.0
SOC 353	Deviance and Social Control	3.0

SOC 300: (if not taken to fulfill a foundation course for the major)

Additional courses may be considered as recommended electives at the discretion of the social work program.

### SCREENING FOR SOCIAL WORK MAJOR

Students wishing to major in social work must apply for and be accepted into the program in order to formally declare the major. Prior to entering the field placement process, an assessment of student qualifications is conducted by the social work faculty and members of the program's advisory committee. Each student must have completed SOWK 201 with a grade of "C+" or better and have an overall minimum GPA of at least 2.5. Students are evaluated on the basis of their emotional maturity and stability, as evidenced by a personal statement, an in-person interview and an evaluation by a supervisor for the volunteer experience (required for SOWK 201). Students who do not wish to major in social work or who are not accepted into the program may choose the minor, pre-professional practice in social work.

### SOCIOLOGY MAJOR, B.A.

Sociology is the study of social life and the social forces that shape human experience. Students who major in sociology are prepared for a wide range of careers in areas such as social action, social research, human services and administration in government agencies, schools, businesses, nonprofit organizations and social agencies. Many sociology majors continue their education and pursue professions such as city and community planning, research, politics, social policy, administration, criminology, law, social work and higher education.

The sociology major provides a strong foundation in sociological theory and research skills. Students also may take elective courses in a variety of more specialized subjects, such as social problems, gender, social inequality, ethnicity and criminology.

Many sociology majors undertake an internship or independent study as part of their program. Students have received credit for internships in government agencies, courts, law firms, political campaigns, women’s organizations, school systems, group homes for delinquents, research firms and health care agencies. Internships are individually arranged for students with specialized interests and career plans.

**REQUIREMENTS FOR THE MAJOR**

The sociology major requires a minimum of 30 credits in sociology. Additionally, students must earn at least a C- in SOC 101, SOC 259, SOC 260, SOC 261, SOC 470 and SOC 482 to fulfill the prerequisites for higher level courses and to continue in the major.

**Required courses:**

SOC 101	Principles of Sociology	3.0
SOC 259	Sociological Theory	3.0
SOC 260	Methods of Social Research	3.0
SOC 261	Quantitative Methods for the Social Sciences	3.0
SOC 470	Seminar in Sociology	3.0
SOC 472	Advanced Methods of Social Research	3.0
SOC 482	Practicum in Social Research	3.0

**Choose at least two from the following:**

SOC 300	Social Inequality	3.0
SOC 311	Sociology of Gender	3.0
SOC 318	Global Social Problems	3.0
SOC 323	Ethnicity in the United States	3.0

To complete the requirements, students may select one additional course from among a number of different elective courses in sociology.

**SPANISH: IBERIAN AND LATIN AMERICAN CULTURAL STUDIES MAJOR, B.A.**

The Department of Global Languages and Cultures offers a major in Spanish: Iberian and Latin American Cultural Studies for students who desire a comprehensive knowledge of the language as well as the cultures, identities and nations of the Spanish speaking world in a global context with more fluid borders. Spanish, the common language to twenty-one countries in both Latin America and Spain and the second major language in the United States, is at the center of our program. Besides ensuring an advanced to superior proficiency in Spanish, the major provides students with a strong foundation for the study of the cultural, historical, linguistic and political complexities of the Iberian and Latin American regions in order to prepare students for their professional and academic future.

Students graduating from the major will be able to work in various venues in government agencies, international organizations, NGOs, teaching, and translation in the U.S. or abroad. After completion, students will be prepared to further studies at the graduate level in related fields of study.

Students are required to study abroad for at least one semester, or live two years in the Spanish House. For additional information, please contact Griselda Zuffi; gzuffi@hood.edu; 301-696-3472.

**REQUIREMENTS FOR THE MAJOR**

Spanish: Iberian and Latin American Cultural Studies majors are required to take 30 credits in Spanish at the 200 level or above, 12 credits of which

must be at the 300 level or above. (Students who transfer to Hood in their junior year intending to major in Spanish: Iberian and Latin American Cultural Studies must be qualified to enroll in courses at the 200 level or above.)

**Required courses:**

SPAN 203	Spanish Conversation & Composition	3.0
SPAN 315	Advanced Composition	3.0

**Two courses in Iberian Cultural Studies:**

SPAN 204	Spanish Culture and Civilization	3.0
SPAN 207	Cultural Perspectives on Spanish Literature I	3.0
SPAN 208	Cultural Perspectives on Spanish Literature II	3.0

**Two courses in Latin American Cultural Studies:**

SPAN 215	Hispanic & Latino Film	3.0
SPAN 220	Cultural Perspectives on Latin America	3.0
SPAN 240	Latin American Lit Popular Culture	3.0

**12 credits 300-level or higher**

One 300-400 level in each (Iberia and Latin America) should be taken at Hood College.

SPAN 323	Spanish Cinema	3.0
SPAN 333	Latin American Poetry	3.0
SPAN 336	Latin American Fiction	3.0
SPAN 343	Spanish Theater	3.0
SPAN 397	Special Topics	3.0
SPAN 470	Seminar: Latin America or Iberia	3.0

Subtotal: 30.0

**SPANISH EDUCATION CERTIFICATION**

Spanish majors also may wish to obtain certification to teach Spanish at the preK-12 level. Students who complete the education program receive certification to teach in Maryland, along with reciprocity for teaching in certain other states.

Students must complete the requirements for the Spanish major.

In addition, they must meet the requirements specified under *Education, Secondary Education Certification* (p. 71).

**SUSTAINABILITY STUDIES, B.A.**

Sustainability has a uniquely human perspective. It is rooted in decisions we make about the quality of life we want for ourselves, our community, and future generations. The major is designed to thoughtfully integrate the liberal arts and technology, to explore the values and the cultivation of community, and to equip students for lives of responsibility, service, civic engagement and leadership.

The Sustainability Studies program emphasizes three interrelated areas that form a framework for studying the complexities of sustainable societies: 1) Sustainable Watersheds; 2) Sustainable Energy; and 3) Sustainable Food Systems. All three focus areas within the Sustainability Studies program feature systems thinking, high impact practices, content knowledge, field and laboratory research, and civic engagement and service learning. These activities will be incorporated in introductory coursework and revisited by students in classes taken throughout the major.

There are many career paths in sustainability for graduating students. Given the unique framework of our Sustainability Studies major, we provide our students with a competitive advantage when applying for jobs in their field. Many positions classified within the manufacturing and service economies contain significant responsibilities toward enhancing



sustainable practices for their companies or for their clients. Sustainability majors will also find employment in municipal, state, or federal government agencies, as well as non-profit organizations. As a Sustainability Studies major it is critical to work closely with your academic advisor to craft the career path that best fits your goals.

## REQUIREMENTS FOR THE MAJOR

The Sustainability Studies major provides foundational knowledge and skills that are further developed in upper level electives. These foundations are based in the environmental sciences and extend deeply into the intersection of human activities and quality of life issues pertaining to the need for clean water, healthy food and sustainable energy. Courses emphasize the development of hands-on skills, as well as the systematic introduction of concepts and applications of recently acquired principles.

Course information is put into practice during numerous opportunities offered in Focus Area elective courses. The program culminates by having each student complete a capstone project in the form of an individual research experience or an internship with a business, nonprofit, or municipal organization involved in some aspect of sustainability.

### Required Courses

ENSP 101	Environmental Problems	3.0
ENSP 102	Environmental Science Laboratory	1.0
ENSP 110	Environmental Science II	3.0
SUS 101	Introduction to Sustainability	3.0
MATH 112	Applied Statistics	3.0
SUS 201	Sophomore Sustainability Seminar	3.0
SUS 301	Sustainable Energy Systems	3.0
SUS 302	Sustainable Watershed Management	4.0
SUS 303	Sustainable Food Systems	3.0
SUS 310	Experiential Rotation in Sustainability	4.0

### Two courses from the following (a minimum of 7 credits)

ENSP 103	Intro to Geographic Information Systems	4.0
ENSP 300	Environmental Geoscience	4.0
ENSP	Conservation Biology	3.0
411/ENV 511		
ENSP	Natural Resource Management	3.0
407/ENV 507		

### Focus Area Electives- 4 more courses, distributed as follows (13 to 16 credits)

- 2 courses in one of the following Focus Areas
- 1 course from each of the other two Focus Areas
- One of the courses must be 4 credits
- A single course can only be used to fulfill one focus area elective

#### Focus in Sustainable Energy/Biofuels

SUS 320	Biotechnology of Food and Fuels	3.0
SUS 410	Bioengineering for Sustainability	4.0

#### Focus in Sustainable Food Systems

SUS 315	Community-Based Food Systems	4.0
SUS 320	Biotechnology of Food and Fuels	3.0
SUS 325	Agroecology	4.0
SUS 415	Urban Agriculture	4.0

#### Focus in Sustainable Watershed Management

SUS 325	Agroecology	4.0
BIOL 309	Aquatic Ecology	4.0
ENSP 400	Watershed Hydrology	3.0
ENSP	Pollution Biology	3.0
403/ENV 503		

### Capstone Experience (minimum 3 credits)

SUS 375	Independent Study in Sustainability	1.0 - 3.0
SUS 399	Internship in Sustainability	3.0 - 15.0
SUS 499	Departmental Honors in Sustainability	6.0

## UNDERGRADUATE MINORS

### Minors

The following minors are offered at Hood:

Actuarial Science (p. 89)
African-American Studies (p. 89)
Arabic and Middle Eastern Studies (p. 90)
Archaeology (p. 90)
Art History (p. 91)
Biology (p. 91)
Business Administration (p. 91)
Chemistry (p. 91)
Classical Studies (p. 91)
Coastal Studies (p. 92)
Computer Science (p. 92)
Criminology and Delinquency (p. 92)
Economics (p. 92)
Environmental Studies (p. 93)
Ethics (p. 93)
Film Studies (p. 93)
French (p. 94)
German (p. 94)
Gerontology (p. 94)
Global Studies (p. 94)
Graphic Design (p. 95)
History (p. 95)
Journalism (p. 95)
Literature (p. 95)
Management (p. 95)
Mathematics (p. 96)
Mathematics Education (p. 96)
Music History and Literature (p. 96)
Music Performance (p. 96)
Nonprofit and Civic Engagement Studies (p. 96)
Philosophy (p. 96)
Physics (p. 97)
Political Science (p. 97)
Psychology (p. 97)
Public History (p. 97)
Public Relations (p. 98)
Religion (p. 98)
Social Science Research (p. 98)
Social Work, Pre-Professional Practice (p. 98)
Sociology (p. 98)

- Spanish (p. 99)
- Studies in Women and Gender (p. 99)
- Studio Art (p. 99)
- Theater and Drama (p. 100)
- Writing (p. 100)

**Students may choose from a variety of programs which the College has designated as minor fields of study. The purposes of the program of minors are as follows:**

- To provide opportunities for students to pursue in a focused and integrated manner programs of study not currently available as majors;
- To use existing resources to provide distinctive and challenging curricular opportunities;
- To provide an alternative to double majors for students who wish to pursue more than one program of study;
- To integrate further the liberal arts and career preparation through opportunities to combine a liberal arts major with a career-related minor or a career-related major with a liberal arts minor; and
- To enable graduates to prepare for careers or further study in more than one area of concentrated knowledge.

The grouping of courses in a minor may be identical to a concentration. However, a concentration is elected by students within a major, while a minor is elected by students majoring in another field. The minor consists of a minimum of 15 credits of course work, forming a coherent program relating to a specific academic objective. Students are allowed to have two majors and a single minor, or a major and two minor fields. Minors are not required of students.

**The following are requirements for a minor:**

- A minimum of 12 credits in the minor must be taken outside the student’s major discipline and may not overlap with the major. If there is additional overlap, the credit must count in the major. The course may be used to fulfill a requirement in the minor, but the credit may count only in the major.
- If a student elects a second minor, a minimum of 12 credits must be taken outside the first minor. Courses may be used to fulfill requirements in both minors, but the credit may count only in one minor.
- Students must have a Grade Point Average of 2.0 in the minor.
- Students must have completed a minimum of 9 credits completed at Hood College for the minor to be listed on the academic record.
- A minimum of 15 credits and a maximum of 21 credits may be counted in the minor.
- Courses counted in the minor may also count in the Core.
- Minors must be declared no later than the end of the junior year.
- Students may develop their own minor, with the approval of the department or departments that are teaching those classes relative to the student’s proposed minor and of the Committee on Academic Standards and Policies, provided they meet the minimum number of credits required of minors.

## **ACTUARIAL SCIENCE MINOR**

Coordinator: James Parson

An actuary is someone who uses knowledge of mathematics and finance to manage financial uncertainty. Actuaries work for insurance companies, for private corporations, for the government, and as consultants. Being an actuary is consistently ranked as one of the best jobs in America – where people are happiest and best-paid. The goal of this minor is to help prepare students to be an actuary.

Students pursuing the actuarial science minor usually major in a related field; students with majors other than the ones listed below should contact the coordinator to design an appropriate program.

### **ACTUARIAL SCIENCE MINOR FOR BUSINESS ADMINISTRATION MAJOR**

**Courses:**

ECON 480	Econometrics	3.0
MATH 201	Calculus I	4.0
MATH 202	Calculus II	4.0
MATH 253	Multivariable Calculus	4.0
MATH 351	Probability and Statistics	3.0

Subtotal: 18.0

### **ACTUARIAL SCIENCE MINOR FOR ECONOMICS MAJOR**

**Courses:**

MATH 202	Calculus II	4.0
MATH 253	Multivariable Calculus	4.0
MATH 339	Linear Algebra	3.0
MATH 351	Probability and Statistics	3.0
MGMT 281	Principles of Financial Accounting	3.0

Subtotal: 17.0

### **ACTUARIAL SCIENCE MINOR FOR MATHEMATICS MAJOR**

**Courses:**

ECON 205	Principles of Macroeconomics	3.0
ECON 206	Principles of Microeconomics	3.0
ECMG 303	Principles of Finance & Investment	3.0
ECON 306	Microeconomic Analysis	3.0
ECON 480	Econometrics	3.0
MGMT 281	Principles of Financial Accounting	3.0

*Mathematics majors must choose MATH 351 Probability and Statistics when choosing courses for the major. Students are also encouraged to choose MATH 320 Modeling and Simulation as part of the mathematics major.*

Subtotal: 18.0

## **AFRICAN-AMERICAN STUDIES MINOR**

Coordinator: Terry Scott

The African-American Studies program, an interdisciplinary minor, is designed to prepare students for graduate study in this and related areas. Firmly based in the liberal arts, the minor’s curriculum provides students with the opportunity to study in a systematic fashion the lives and contemporary experiences of African-American men and women. The program focuses primarily on African-Americans in the United States, but includes a series of courses on African culture, history and politics. The curriculum is structured to give students the opportunity to examine the interrelated dynamics of class, gender and race.

**REQUIREMENTS FOR THE MINOR (TO INCLUDE TWO COURSES AT THE 300-LEVEL OR ABOVE)****Required (15 credits):**

AFAM 251	The African Diaspora	3.0
AFHS 257	The African American Experience	3.0
AFEN 265	African American Voices Before 20th Century	3.0
	or	
AFEN 266	The Harlem Renaissance and Beyond: 20th Century African-American Literature	3.0
	or	
ENGL 286	Genre Studies: African American Poetry	3.0
AFPS 240	African American Politics	3.0
	or	
AFPS 353	Contemporary African Political Thought	3.0
AFAM 399	Internship in African American Studies	3.0 - 6.0

**One elective course from the following:**

*NOTE: AFEN 265, AFEN 266, AFPS 240, AFPS 353 and ENGL 286 may be used to complete this category only if the course was not used to fulfill one or more of the 12 credits listed above.*

AFPS 240	African American Politics	3.0
AFEN 265	African American Voices Before 20th Century	3.0
AFEN 266	The Harlem Renaissance and Beyond: 20th Century African-American Literature	3.0
AFPY 270	African American Psychological Perspectives	3.0
AFAM 299	Special Topics	3.0
AFPS 301	African-American Political Autobiography	3.0
AFRL 311	Black Theology	3.0
AFAM 335	Teaching Assistantship in African-American Studies	1.0 - 2.0
AFPS 353	Contemporary African Political Thought	3.0
AFHS 424/AFHS 524	Race and Racism in the United States	3.0
AFAM 470/AFAM 570	African American Feminist Thought	3.0
ART 349	Art of Egypt and Mesopotamia	3.0
ENGL 286	Genre Studies: African American Poetry	3.0
FREN 320	Francophone Women Writers	3.0
HIST 246	Modern Africa, 1400-Present	3.0
HIST 358	African Americans and Sports	3.0
HIST 378	Blacks and American Law	3.0
PSCI 354/HON 354	African Political Autobiography	3.0
PSCI 405/PSCI 505	Civil Liberties	3.0
Subtotal: 18.0		

**ARABIC AND MIDDLE EASTERN STUDIES MINOR**

**Coordinator:** Donald Wright

**REQUIREMENTS FOR THE MINOR****Required:**

ARAB 101	Elementary Arabic I	4.0
ARAB 102	Elementary Arabic II	4.0
MEST 300	Cultures of the Middle East	3.0
	or	
GLBS 301	Human Migrations: Refugees and IDPs	3.0

**Two of the following, at least one at the 300 level:**

(May also be fulfilled during an approved semester or year of study abroad)

ANTH 302	Cultural Anthropology	3.0
ARAB 203	Arabic Conversation & Composition	3.0
ART 319/HON 319	Orientalism & Egyptomania: Rediscovering & Remaking the Ancient Middle East	3.0
ARRL 330	Archaeology of Ancient Israel	3.0
ART 349	Art of Egypt and Mesopotamia	3.0
HIST 309	Islam & the Crusades	3.0
PSCI 200	Political Violence and Terrorism	3.0
PSCI 210	Comparative Politics	3.0
PSCI 215	International Relations	3.0
PSCI 302	9/11 in Global Perspective	3.0
PSCI 305	U.S. Foreign Policy	3.0
PSCI 323	Politics of the Developing World	3.0
SOC 318	Global Social Problems	3.0
Subtotal: 6.0-8.0		

**ARCHAEOLOGY MINOR**

**Coordinator:** Jennifer Ross

Students majoring in a number of fields, including history, literature, foreign languages, philosophy, religious studies or the sciences, may wish to minor in archaeology, as it can complement the major field and introduce new areas of study. The minor is interdisciplinary, requiring coursework in archaeological methods, regional studies, ancient history and literature.

**REQUIREMENTS FOR THE MINOR****Required:**

ART 220	History of Art I	3.0
ART 312	Archaeology: Cultures, Technologies, Methods and Theories	3.0
ART 370	Archaeological Fieldwork	3.0
	or	
ART 380	Archaeological Laboratory Analysis	3.0
	or	
ART 399	Internship in Art	3.0 - 15.0
ART 399C	Archaeological Internship & Fieldwork Colloquium	1.0

**One of the following:**

ART 231	Archaeology of Native North America	3.0
ART 340	Art of Prehistory	3.0
ART 349	Art of Egypt and Mesopotamia	3.0
ART 350	Classical Art and Archaeology	3.0
ARLS 354	Mesoamerican Art and Archaeology	3.0

**One of the following:**

ANTH 201	Introduction to Anthropology	3.0
CL 202	Mythology	3.0
HIST 365	The Ancient Near East and Greece	3.0
HIST 366	Ancient Rome	3.0
Subtotal: 16.0		

## ART HISTORY MINOR

**Coordinator:** April Morris

Students majoring in one of the humanities—history, literature, foreign languages, philosophy or religion—will find that the art history minor complements and enhances their area of study. The minor is also worthwhile for students considering careers in arts administration, conservation, interior design and similar fields. The required courses offer both chronological breadth and the opportunity to study a period in depth.

### REQUIREMENTS FOR THE MINOR

**Required:**

ART 220	History of Art I	3.0
ART 221	History of Art II	3.0

**One of the following:**

ART 350	Classical Art and Archaeology	3.0
ART 351	Medieval Art	3.0
ART 352	Northern Renaissance Art	3.0
ART 353	Early Renaissance Art	3.0

**Two of the following:**

ART 304	American Art before 1900	3.0
ART 358	Baroque Art	3.0
ART 360	Nineteenth Century Art	3.0
ART 361	Twentieth Century Art	3.0
	One additional 300-level or above art history course (ART)	3.0

Subtotal: 15.0

## BIOLOGY MINOR

**Coordinators:** Craig Laufer and Oney Smith

The biology minor provides students a foundation in biology. The biology minor is organized to familiarize students with the broad areas of biological investigation, cellular and molecular biology, physiology, organismal biology and ecology.

### REQUIREMENTS FOR THE MINOR

**Required:**

BIOL 110-129	Biological Inquiry	4.0
BIOL 201	Evolution and Ecology	4.0
BIOL 202	Physiology of Plants & Animals	4.0
BIOL 203	Introduction to Cell Biology & Genetics	4.0
CHEM 101	General Chemistry I	4.0
CHEM 102	General Chemistry II	4.0

Subtotal: 24.0

## BUSINESS ADMINISTRATION MINOR

**Coordinator:** Anita Jose, ajose@hood.edu; 301-696-3691

### REQUIREMENTS FOR THE MINOR

**Required:**

ECON 206	Principles of Microeconomics	3.0
MGMT 205	Principles of Management: Introduction to Organizations	3.0
MGMT 281	Principles of Financial Accounting	3.0
MGMT 284	Principles of Managerial Accounting	3.0

**Two of the following:**

ECMG 303	Principles of Finance & Investment	3.0
MGMT 306	Principles of Marketing	3.0
MGMT 312	Analytical Methods of Management	3.0
MGMT 314	International Business	3.0
MGMT 454	Legal Environment of Business	3.0

Subtotal: 18.0

## CHEMISTRY MINOR

**Coordinator:** Kevin Bennett

The minor in chemistry provides a broad introduction to the field by combining a core of chemistry courses with additional study in electives of the student's choice.

### REQUIREMENTS FOR THE MINOR

**Required:**

CHEM 101	General Chemistry I	4.0
CHEM 102	General Chemistry II	4.0
CHEM 209	Organic Chemistry I	4.0
CHEM 210	Organic Chemistry II	4.0

**8 credits from the following:**

CHEM 215	Quantitative Analysis	4.0
CHEM 301	Biological Chemistry I	4.0
CHEM 324	Instrumental Methods of Analysis	4.0
CHEM 402	Biological Chemistry II	3.0
CHEM 403	Biological Chemistry Lab Techniques	1.0
CHEM 431/PHYS 431	Quantum Mechanics	3.0
CHEM 433/PHYS 433	Quantum Mechanics Laboratory	1.0

Subtotal: 24.0

## CLASSICAL STUDIES MINOR

**Coordinator:** Jennifer Ross

The classical studies minor combines courses in the fields of history, philosophy, language, literature and art with a focus on classical civilizations, namely those of ancient Greece and Rome. In addition to coursework in classical studies, students have opportunities to visit local collections of classical art, to attend performances of ancient plays and to participate in on-campus lectures dealing with ancient history and culture.

### REQUIREMENTS FOR THE MINOR

**Required:**

ART 350	Classical Art and Archaeology	3.0
LAT 101	Elementary Latin I	4.0
HIST 365	The Ancient Near East and Greece	3.0
	or	
HIST 366	Ancient Rome	3.0

Students placed in a higher level of classical Latin (LAT 201 or LAT 202) by placement test may substitute the higher-numbered course for this requirement, but may not place out of this requirement.

**Two of the following:**

ART 312	Archaeology: Cultures, Technologies, Methods and Theories	3.0
ART 332	Aegean Archaeology	3.0
CL 202	Mythology	3.0
CL 302	Classical Mythology	3.0
ENGL 221	World Literature	3.0
PLRL 205	Classical Religion & Philosophy	3.0
PHIL 305	Great Figures in Western Political Thought	3.0
PHIL 307	History of Philosophy: The Ancient World to the Renaissance	3.0
PHIL 360	Topics in Ancient Greek Philosophy	3.0
PSCI 332	Ancient Medieval Political Thought	3.0

Subtotal: 16.0

## COASTAL STUDIES MINOR

**Director:** Eric Kindahl

**Coordinator:** Claire Hudson

The coastal studies minor provides students with an interdisciplinary view of environmental issues that confront coastal habitats and communities.

The minor is largely travel-based and designed to provide students with both textbook and first-hand knowledge of environmental challenges currently facing coastal regions.

### REQUIREMENTS FOR THE MINOR

**Required courses (block-scheduled during fall semesters):**

ENSP 210	Coastal Oceanography	4.0
ENSP 212	Coastal Community Ecology	4.0
ENSP 307/HON 307	The Chesapeake Bay: Human Impact on a Natural System	3.0
ENSP 370	Coastal Studies Practicum	2.0

**One block-scheduled elective offered as part of the Coastal Studies Semester which may include:**

ENGL 368/HON 368	American Landscapes: Environmental Literature in the United States	3.0
ENSP 299	Special Topics: Environmental Science & Policy	4.0

**One of the following:**

BIOL 348	Tropical Marine Ecology	3.0
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Subtotal: 20.0

## COMPUTER SCIENCE MINOR

**Coordinator:** William Pierce

The computer science minor provides students an organized exposure and a breadth of knowledge and basic skills in areas that form the foundation of computer science. Students add more depth by selecting electives for the minor from a broad list of advanced computer science courses.

Completing the minor and studying computer science exposes students to computational thinking and provides sought after skills that add an additional career dimension to students majoring in almost any discipline.

### REQUIREMENTS FOR THE MINOR

**Required:**

MATH 207	Discrete Math	3.0
CS 201	Computer Science I	4.0
CS 202	Computer Science II	4.0
	Nine additional credits of computer science courses as electives, six of which must be at the 200-level or above	9.0

CS 335 and CS 399 may not be applied toward the minor.

Subtotal: 20.0

## CRIMINOLOGY AND DELINQUENCY MINOR

**Coordinator:** Jolene Sanders

This interdisciplinary minor is designed for students whose career plans include working with, or advocating for, people within the criminal or juvenile justice systems: counseling juvenile or adult offenders or victims; serving as consultants or expert witnesses regarding mental health, child custody, domestic violence, and other issues; advocating for reforms within the prison system; or working in settings such as substance abuse programs, community-based agencies serving ex-offenders, parole and probation agencies, and state and federal correctional facilities. The minor

complements a number of different majors, including social work, sociology, psychology, law and criminal justice, and political science.

Students are encouraged to complete an internship in a criminal or juvenile justice setting and/or to conduct independent research on a topic of interest related to the minor.

### REQUIREMENTS FOR THE MINOR

**Required:**

SOC 101	Principles of Sociology	3.0
SOC 216	Criminology	3.0
SOSW 217	Juvenile Delinquency and Juvenile Justice	3.0
SOWK 201	Introduction to Social Work and the Human Services	4.0
SOWK 302	Forensic Social Work	3.0

**Electives (choose at least one):**

CJ 230	Introduction to Criminal Justice	3.0
LWPS 230	Introduction to Law	3.0
PSCI 308	Criminal Law	3.0
PSY 203	Survey of Clinical, Community and Counseling Psychology	3.0
PSY 319	Drugs & Behavior	3.0
PSY 370I	Seminar: Psychological Bases of Criminal Behavior	3.0
PSY 431	Abnormal Psychology	3.0
SOC 300	Social Inequality	3.0
SOC 310B	Topics in Sociology: Gender and Crime	3.0
SOC 323	Ethnicity in the United States	3.0
SOC 353	Deviance and Social Control	3.0
SOC 375	Independent Study	1.0 - 3.0
	or	
SOWK 375	Independent Study	1.0 - 3.0
SOC 399	Internship	3.0 - 15.0
	or	
SOWK 214	Child Welfare: Policies and Services	3.0
SOWK 330	Social Work with Families	3.0

Subtotal: 19.0-20.0

## ECONOMICS MINOR

**Coordinator:** Sang W. Kim

### REQUIREMENTS FOR THE MINOR

**Required:**

ECON 205	Principles of Macroeconomics	3.0
ECON 206	Principles of Microeconomics	3.0
ECON 305	Macroeconomic Analysis	3.0
ECON 306	Microeconomic Analysis	3.0

**Two of the following:**

ECON 304	International Political Economy	3.0
ECON 310	Environmental Economics	3.0
ECON 316	Game Theory	3.0
ECON 317	Economics of Development	3.0
ECON 320	The Economics of Gender	3.0
ECON 324	International Trade	3.0
ECON 326	Industrial Organization	3.0
ECON 328	Labor Economics	3.0

**One of the following:**

ECON 410	Public Economics	3.0
ECON 452	History of Economic Thought	3.0
ECON 460	International Finance & Open Economy Macroeconomics	3.0
ECON 480	Econometrics	3.0

Subtotal: 21.0

## ENVIRONMENTAL STUDIES MINOR

**Coordinator:** Eric Kindahl

The minor in environmental studies provides students with the intellectual tools necessary to analyze a broad array of complex environmental problems. It is an interdisciplinary minor offered jointly by the departments of biology and political science.

### REQUIREMENTS FOR THE MINOR

**Required:**

BIOL 110-129	Biological Inquiry	4.0
BIOL 201	Evolution and Ecology	4.0
BIOL 338	Advanced Ecology	4.0
ENSP 101	Environmental Problems	3.0
PSCI 203	Introduction to U.S. Politics	3.0
ECPS 414/ECPS 514	Environmental Policy	3.0

Subtotal: 21.0

## ETHICS MINOR

**Coordinator:** Karen Hoffman

The ethics minor provides an academic structure to the rigorous study of both ethical theory and ethical practice. Grounded in philosophy and religious studies, the program is nevertheless interdisciplinary in the wide range of majors with which it can interface. Students who complete the minor will have (1) a solid grasp of the foundations of and differences between the major theories of normative value, (2) a facility with the application of these theories to practical situations that includes an awareness of their respective advantages & disadvantages, potential conflicts, and areas of corroboration, (3) a recognition of the diverse instantiations of the main ethical theories in divergent cultures, and (4) an awareness of ethical thinking as embodying sensibilities about and remedies to inequitable power differentials and other injustices.

### REQUIREMENTS FOR THE MINOR

**Required**

PHIL 221	Ethics	3.0
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**Advanced Ethical Theory**

*At least one course in Advanced Ethical Theory from among the following:*

PLRL 306	Chinese Thought	3.0
PHIL 319	Biomedical Ethics	3.0

**History of Ethics**

*At least one course, and up to two courses, in the History of Ethics from among the following:*

PHIL 305	Great Figures in Western Political Thought	3.0
PHIL 307	History of Philosophy: The Ancient World to the Renaissance	3.0
PHIL 308	History of Philosophy: The Early Modern Era to the 20th Century	3.0
PHIL 360	Topics in Ancient Greek Philosophy	3.0
REL 342	From Abolitionism to Human Rights	3.0

### Inequitable Power Differentials

*At least one course, and up to two courses, that document and analyze different ethical responses to Inequitable Power Differentials from among the following:*

AFAM 470/AFAM 570	African American Feminist Thought	3.0
AFPS 301	African-American Political Autobiography	3.0
AFRL 311	Black Theology	3.0
AFPS 353	Contemporary African Political Thought	3.0
ECON 320	The Economics of Gender	3.0
PHIL 203	Philosophical Issues in Feminism	3.0
PSCI 354/HON 354	African Political Autobiography	3.0
PSCI 323	Politics of the Developing World	3.0
PSCI 336	Gender and the Law	3.0
SOC 311	Sociology of Gender	3.0
SOC 318	Global Social Problems	3.0
SOC 323	Ethnicity in the United States	3.0

### Ethical Theory in Context

*If a fifth course has not been chosen from the above lists, the student may choose one of the following courses that allow the student to apply ethical theory in specific contexts:*

ENGL 364/HON 364	Exploring Utopia	3.0
ENPL 267	Thematic Studies: Vice and Virtue	3.0
HON 304	Censorship in America	3.0
PHIL 200	Contemporary Philosophical Topics	3.0
PHIL 211	Philosophy Through Film	3.0
PHIL 220	Professional Ethics	3.0
PHIL 315/HON 315	Literature of Moral Reflection	3.0
PLRL 219	Ethics & Leadership	3.0
PSCI 304	Philanthropy and Civic Life	3.0
PSCI 323	Politics of the Developing World	3.0
PSCI 332	Ancient Medieval Political Thought	3.0
PSCI 333	Modern Political Thought	3.0
PSCI 405/PSCI 505	Civil Liberties	3.0
REL 203	Old Testament	3.0
REL 204	The New Testament	3.0

## FILM STUDIES MINOR

**Coordinator:** Katherine Orloff

### REQUIREMENTS FOR THE MINOR

**Required**

CMA 280	Screen Craft	3.0
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**Select 12 credits from the following**

CMA 226	Visual Media Production	3.0
CMA 270A	Alfred Hitchcock: Master of Suspense	3.0
CMA 270B	Reel Journalism	3.0
CMA 270C	America's Great Film Comedies	3.0
CMA 281	Introduction to Screenwriting	3.0
CMA 282	History of American Film	3.0
CMA 302	Visual Media Production II	3.0
FREN 322	Ecrivains derriere la camera	3.0
GER 321	History of German Film	3.0
SPAN 215	Hispanic & Latino Film	3.0
PHIL 211	Philosophy Through Film	3.0
THEA 101	The Elements of Acting	3.0
THEA 102	Improvisation	3.0
THEA 202	The Theatre and Films of Buster Keaton	3.0

Subtotal: 15.0

## FRENCH MINOR

**Coordinator:** Didier Course

Students with a minor in French will learn about the French language and culture through a combination of courses designed to improve language skills and expose students to French civilization.

### REQUIREMENTS FOR THE MINOR

**Required:**

FREN 203	French Conversation & Composition	3.0
FREN 207	Cultural Perspectives on French Literature I	3.0
FREN 208	Cultural Perspectives on French Literature II	3.0
	One French civilization course	3.0
	One additional French course at the 203-level or above	3.0
	One 300-level French course	3.0

Subtotal: 15.0

## GERMAN MINOR

**Coordinator:** Scott E. Pincikowski

A minor in German exposes students to German culture, civilization and language.

### REQUIREMENTS FOR THE MINOR

**Required:**

GER 203	German Conversation & Composition	3.0
GER 207	Cultural Perspectives on German Literature I	3.0
GER 208	Cultural Perspectives on German Literature II	3.0
	One German civilization course	3.0
	One 300-level German course	3.0
	One additional German course at the 203-level or above	3.0

## GERONTOLOGY MINOR

**Coordinator:** Michelle Gricus

Studying gerontology provides an opportunity for students to engage in a multidisciplinary study of the biological, psychological and social determinants of the aging process. The undergraduate minor may be used to supplement a number of majors, including biology, business administration, economics, nursing, political science, psychology, social work and sociology. The minor provides a knowledge base regarding the special needs of this segment of the population; the skills required to work effectively with older adults; and discussion of the economic, political, clinical and social issues surrounding the increasingly larger proportion of aged individuals in the American society.

By supplementing a major with the gerontology minor, students will be better prepared for careers in healthcare, politics, law, counseling, education, business and others.

## REQUIREMENTS FOR THE MINOR

**Four of the following:**

BIOL 138	The Human Health Mosaic	3.0
GERO 370	Gerontology Practicum	3.0
PSY 373	Psychology of Aging	3.0
PYSO 221	Social Gerontology	3.0
SOWK 327	Gerontological Social Work: Policy and Practice	3.0

**Two of the following:**

MGMT 205	Principles of Management: Introduction to Organizations	3.0
MGMT 301	Organizational Theory and Behavior	3.0
PE 225	Health Maintenance: Stress Assessment and Control	3.0
PSY 204	Psychology of Death	3.0
PSY 239	Developmental Psychology	3.0
SOC 215	Social Problems	3.0
SOC 260	Methods of Social Research	3.0
SOWK 301	Social Policy and Human Service Programs	3.0
SOWK 330	Social Work with Families	3.0

Subtotal: 18.0

In addition to the specific courses listed above, an independent study related to gerontology might be taken in any number of departments. This should be cleared in advance with the program coordinator in order to ensure that it will fulfill credits toward the minor.

A large number of today's older adults live in urban areas and are Spanish speaking. Thus, students will benefit by having background in Spanish, particularly through SPAN 201.

Gerontology students have many practicum sites available to them, including the National Council on Aging, the Maryland State Office on Aging, community commissions on aging, nursing facilities, adult day care centers, hospice and many independent living facilities for older adults.

## GLOBAL STUDIES MINOR

**Coordinator:** Paige Eager

The Global Studies Minor is an interdisciplinary program of study which examines the dynamics of globalization in the world today and their historical foundations. It examines the multiple interconnections of states, regions, economies and societies. It studies the historical, political, commercial, cultural, environmental and technological aspects of this phenomenon. The purpose is to better understand the dynamic forces, both positive and negative, of modern globalization. The study of a foreign language beyond the college requirement is strongly recommended, but not required for the successful completion of the minor.

### REQUIREMENTS FOR THE MINOR

**Required:**

GLBS 200	Introduction to Global Studies	3.0
GLBS 300	Challenges and Opportunities of Globalization	3.0

**One course from Global Cultures and Society:**

ANTH 302	Cultural Anthropology	3.0
ART 250	Art of Asia	3.0
ART 372	Arts of the Non-Western World	3.0
GLBS 301	Human Migrations: Refugees and IDPs	3.0

HIST 330	Cultural Encounters in LatAm Hist	3.0
MEST 300	Cultures of the Middle East	3.0
PHIL 316/HON 316	Perspectives in Global Health	3.0
PLRL 301	Indian Thought	3.0
PLRL 306	Chinese Thought	3.0
REL 304	Islam	3.0
SOC 318	Global Social Problems	3.0

**One course from Global Governance and Conflict:**

CMA 209	Mass Media and Revolution	3.0
ECPS 414/ECPS 514	Environmental Policy	3.0
GLBS 345	Global Perspectives on Women, Power and Politics	3.0
HIST 266	The Modern World, 1750 to Present	3.0
PSCI 200	Political Violence and Terrorism	3.0
PSCI 215	International Relations	3.0
PSCI 219	Model United Nations	1.0
PSCI 305	U.S. Foreign Policy	3.0
PSCI 323	Politics of the Developing World	3.0

**One course from Global Economy:**

ECON 205	Principles of Macroeconomics	3.0
ECON 304	International Political Economy	3.0
ECON 317	Economics of Development	3.0
ECON 320	The Economics of Gender	3.0
ECON 324	International Trade	3.0
HON 302/SPAN 302	Third World Development: Latin America	3.0
MGMT 314	International Business	3.0

Subtotal: 15.0

## GRAPHIC DESIGN MINOR

**Coordinator:** Gary Cuddington

### REQUIREMENTS FOR THE MINOR

**Required:**

ARTS 101	Design	4.0
CMA 246	Graphic Design I	3.0
CMA 336	Graphic Design II	3.0
CMA 337	Graphic Design III	3.0

**Select two courses from the following**

ARTS 123	Drawing I	3.0
ARTS 210	Color Theory	3.0
ARTS 211	Digital Photography	3.0
ARTS 226	Digital Arts	3.0
ARTS 237	Painting I	3.0
ARCA 322	Photojournalism	3.0
CMA 226	Visual Media Production	3.0
CMA 302	Visual Media Production II	3.0
CS 110	Programming Art	3.0
IT 180	Unraveling the Web	3.0

Subtotal: 19.0

## HISTORY MINOR

**Coordinator:** Jay Harrison

A maximum of 3 credits of independent study may count toward the required work for the minor.

### REQUIREMENTS FOR THE MINOR

One introductory U.S. History course (3 credits):

AFHS 257	The African American Experience	3.0
HIST 217	History of the United States to 1877	3.0

HIST 218	History of the United States since 1877	3.0
HIST 269	Women in America	3.0

**One introductory World History course (3 credits):**

HIST 264	Ancient and Medieval World to 1200	3.0
HIST 265	Medieval and Early Modern World, 1200-1800	3.0
HIST 266	The Modern World, 1750 to Present	3.0

**Two elective history courses (6 credits)**

**Two upper-level history courses, 300- or 400- level (6 credits)**

Subtotal: 18.0

## JOURNALISM MINOR

**Coordinator:** Elizabeth Atwood

The journalism minor is designed for non-communication arts majors who may wish to write in their specialties for general audiences, or for those with an interest in journalism for whom a double major with communication arts is not feasible.

### REQUIREMENTS FOR THE MINOR

**Required:**

CMA 200	Mass Media and Society	3.0
CMA 201	Media Writing I	3.0
CMA 208	Principles of Editing	3.0
CMA 260	Media Writing II	3.0
CMA 305	Communications Law	3.0

**One of the following:**

CMA 204	Media History	3.0
CMA 304	Multimedia Storytelling	3.0

Subtotal: 18.0

## LITERATURE MINOR

**Coordinator:** Heather Mitchell-Buck

### REQUIREMENTS FOR THE MINOR

Students who minor in literature must take a minimum of 15 credits in literature at the 200 level or above. Their work must include:

**One thematic course**

ENGL 250-269	Thematic Studies	3.0
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**One genre course**

ENGL 270-289	Genre Studies	3.0
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**At least two literature courses at the 300 level or above**  
Literature courses

## MANAGEMENT MINOR

**Coordinator:** Anita Jose, ajose@hood.edu; 301-696-3691

### REQUIREMENTS FOR THE MINOR

**Required:**

MGMT 205	Principles of Management: Introduction to Organizations	3.0
MGMT 281	Principles of Financial Accounting	3.0
MGMT 301	Organizational Theory and Behavior	3.0
MGMT 307	Personnel Management	3.0

**One of the following:**

CMA 306	Business Writing in the Digital Age	3.0
MGMT 314	International Business	3.0

Subtotal: 15.0



## MATHEMATICS MINOR

**Coordinator:** Jill Tysse

A minor in mathematics will introduce students to the two major strands of mathematics, the continuous and the discrete. Students will then have the opportunity to explore an area of interest in greater depth.

### REQUIREMENTS FOR THE MINOR

**Required:**

MATH 201	Calculus I	4.0
MATH 202	Calculus II	4.0
MATH 207	Discrete Math	3.0
	Two additional three- or four-credit mathematics courses at the 200 level or above	6.0-8.0

Subtotal: 17.0-19.0

## MATHEMATICS EDUCATION MINOR

**Coordinator:** Christy Graybeal

The mathematics education minor is open only to students majoring in early childhood education or elementary/special education.

### REQUIREMENTS FOR THE MINOR

**Required:**

MATH 106	Explorations in Elementary Mathematics I	3.0
MATH 107	Explorations in Elementary Mathematics II	3.0
MATH 108	Explorations in Elementary Mathematics III	3.0
MATH 201	Calculus I	4.0
MATH 202	Calculus II	4.0
	or	
MATH 207	Discrete Math	3.0

**One of the following:**

MATH 112	Applied Statistics	3.0
PSY 211	Elementary Statistics	3.0
MATH 213	Statistical Concepts and Methods	4.0

Subtotal: 19.0-21.0

## MUSIC HISTORY AND LITERATURE MINOR

**Coordinator:** Noel Verzosa

### REQUIREMENTS FOR THE MINOR

**Required:**

MUSC 100	Fundamentals of Music or Exemption Exam	3.0
MUSC 101	Beginning Music Theory & Musicianship I	3.0
MUSC 102	Beginning Music Theory & Musicianship II	3.0
MUSC 303	Music History and Literature I	3.0
MUSC 304	Music History and Literature II	3.0
	2 credits of applied music (any area)	2.0
	1 credit of music ensemble	1.0

## MUSIC PERFORMANCE MINOR

**Coordinator:** Noel Verzosa

### REQUIREMENTS FOR THE MINOR

**Required:**

MUSC 100	Fundamentals of Music or Exemption Exam	3.0
MUSC 101	Beginning Music Theory & Musicianship I	3.0
MUSC 102	Beginning Music Theory & Musicianship II	3.0

**One of the following:**

MUSC 303	Music History and Literature I	3.0
MUSC 304	Music History and Literature II	3.0

**Applied music and Ensemble requirement:**

2 credits of music ensemble	2.0
6 credits of applied music	6.0

*Participation in two recitals, one of which must be an honors recital.*

Subtotal: 20.0

## NONPROFIT AND CIVIC ENGAGEMENT STUDIES MINOR

**Coordinator:** Tamelyn Tucker-Worgs

The Nonprofit and Civic Engagement Studies minor is open to all majors. Twelve credits in the minor must be outside of the major discipline.

Consequently, Political Science majors will need to select MGMT 301 or one of the CMA electives to meet this requirement.

### REQUIREMENTS FOR THE MINOR

**Required**

GLBS 200	Introduction to Global Studies	3.0
INT 399	Internship	3.0
MGMT 315	Managing Nonprofit Organizations	3.0
PSCI 304	Philanthropy and Civic Life	3.0
PSCI 309	Grants Writing and Fundraising for Nonprofit Organizations	1.0

**One of the following**

CMA 207	Principles of Speech Communication	3.0
CMA 306	Business Writing in the Digital Age	3.0
CMA 310	Public Relations	3.0
CAMG 330	Social Media Marketing	3.0
GLBS 301	Human Migrations: Refugees and IDPs	3.0
MGMT 301	Organizational Theory and Behavior	3.0
PSCI 303	Public Policy Analysis	3.0

Subtotal: 16.0

## PHILOSOPHY MINOR

**Coordinator:** Karen Hoffman

The philosophy minor offers an introduction to philosophical approaches, both Western and Eastern. Students in any major will find the philosophy minor useful in providing exposure to intellectual debate and to the theoretical basis of many academic disciplines.

### REQUIREMENTS FOR THE MINOR

**Required:**

PHIL 207	Logic	3.0
PHIL 307	History of Philosophy: The Ancient World to the Renaissance	3.0

PHIL 308	or History of Philosophy: The Early Modern Era to the 20th Century	3.0
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**One of the following:**

PLRL 301	Indian Thought	3.0
PLRL 306	Chinese Thought	3.0
REL 304	Islam	3.0

6 additional credits in philosophy to meet the 15 credit minimum.  
Subtotal: 15.0

## PHYSICS MINOR

**Coordinator:** Allen Flora

The minor in physics offers a coherent introduction to the topics of physics. Selection of the physics minor should benefit the following:

- Students currently majoring in one of the science fields who want to obtain a more complete understanding of the physical universe;
- Students in mathematics who might wish to examine (in a more applied way) the concepts of their discipline.

Master's level programs in chemical physics and many engineering and physics graduate schools consider favorably the application of a student with a minor in physics and a major in a related discipline such as mathematics.

### REQUIREMENTS FOR THE MINOR

**Required:**

MATH 201	Calculus I	4.0
MATH 202	Calculus II	4.0
MATH 253	Multivariable Calculus	4.0
MATH 304	or Differential Equations	3.0
PHYS 203	Introductory Physics I	4.0
PHYS 204	Introductory Physics II	4.0

PHYS 101 and PHYS 102 could be substituted although PHYS 203 and 204 are recommended. Permission of the coordinator is required for this substitution.

**Students also are required to take a second group of courses, which provide a more detailed look at the topics of physics:**

PHYS 222	Introduction to Modern Physics	3.0
PHYS 324	Mechanics	3.0
PHYS 325	Electricity & Magnetism	3.0

Subtotal: 29.0

## POLITICAL SCIENCE MINOR

**Coordinator:** Paige Eager

### REQUIREMENTS FOR THE MINOR

**Required:**

PSCI 203	Introduction to U.S. Politics	3.0
PSCI 210	Comparative Politics	3.0
PSCI 215	or International Relations	3.0

**One course in Political Theory from the following:**

PSCI 307	American Constitutional Law	3.0
PSCI 332	Ancient Medieval Political Thought	3.0
PSCI 333	Modern Political Thought	3.0
AFPS 353	Contemporary African Political Thought	3.0
PSCI 354/HON 354	African Political Autobiography	3.0

**9 additional credits in political science**

Six of which must be at the 300 or 400 level, are required for the completion of the minor.

Subtotal: 18.0

## PSYCHOLOGY MINOR

**Coordinator:** Shannon Kunday

### REQUIREMENTS FOR THE MINOR

**Foundation Requirements: (Grade of C- or higher required)**

PSY 101	Introduction to Psychology	3.0
PSY 211	Elementary Statistics	3.0
PSY 312	Research Methods I	4.0

PSY 211: Statistics courses completed in another discipline will fulfill the requirement but will not count toward the 19 credit minimum in psychology courses.

**Select one elective from each of the following three areas:**

**Clinical/Counseling Psychology:**

PSY 203	Survey of Clinical, Community and Counseling Psychology	3.0
PSY 204	Psychology of Death	3.0
PSY 302	Psychology and Law	3.0
PSY 370A	Seminar: Introduction to Counseling	3.0
PSY 431	Abnormal Psychology	3.0
PSY 434	Foundations of Psychological Testing	3.0

**Developmental Psychology:**

PSY 205	Social Psychology	3.0
PSY 239	Developmental Psychology	3.0
PSY 370E	Sem: Psychology of Human Sexuality	3.0
PSY 370H	Seminar: Positive Psychology	3.0
PSY 373	Psychology of Aging	3.0
PYSO 221	Social Gerontology	3.0
PSY 401	Theories of Personality	3.0

**Experimental Psychology:**

PSY 300	Cognitive Psychology	3.0
PSY 301	Human Memory	3.0
PSY 319	Drugs & Behavior	3.0
PSY 400	Neuropsychology	3.0
PSY 409	Learning and Memory	3.0
PSY 418	Physiological Psychology	3.0
PSY 456	Behavior Modification	3.0

Subtotal: 19.0

## PUBLIC HISTORY MINOR

**Coordinator:** Jay Harrison

Public History is the active practice of history in almost any field other than the classroom. Public historians work in museums, national parks, archives, historical societies, historic preservation, the federal government, historic sites, and other places. Public history programs like ours prepare students for careers in public history or for graduate work in more specialized fields.

### REQUIREMENTS FOR THE MINOR

**Required courses (6 credits)**

HIST 208	Introduction to Public History	3.0
HIST 399	Internship in History	3.0 - 15.0

**Two public history courses (6 credits):**

HIST 371E	Topics in Public History	3.0
HIST 381	Collections: Museums and Archives	3.0

HIST 382	Exhibiting History	3.0
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**One introductory US History course (3 credits):**

AFHS 257	The African American Experience	3.0
HIST 217	History of the United States to 1877	3.0
HIST 218	History of the United States since 1877	3.0
HIST 269	Women in America	3.0

**One upper-level American history course, 300- or 400-level (3 credits)**

Subtotal: 18.0

**PUBLIC RELATIONS MINOR****Coordinator:** Alan Goldenbach

The public relations minor offers a range of courses combining theory and best practices in the field to students seeking to add depth to knowledge and skills in related majors.

**REQUIREMENTS FOR THE MINOR****Required:**

CMA 201	Media Writing I	3.0
CMA 310	Public Relations	3.0
CMA 312	Introduction to Communication Research or	3.0
MGMT 423	Marketing Research Methods	3.0
CMA 313	Writing for Public Relations	3.0
CMA 411	Public Relations Campaigns	3.0

**One of the following:**

CMA 207	Principles of Speech Communication	3.0
CMA 208	Principles of Editing	3.0
CMA 306	Business Writing in the Digital Age	3.0
MGMT 306	Principles of Marketing	3.0

Subtotal: 18.0

**RELIGION MINOR****Coordinator:** Karen Hoffman

The religion minor gives students the opportunity to explore a variety of religions and issues confronting religion in today's world.

**REQUIREMENTS FOR THE MINOR****Required:**

REL 200	What is Religion? Introduction to Religious Studies or	3.0
REL 312	Holidays and Festivals	3.0

**At least one of the following western religions:**

REL 203	Old Testament	3.0
REL 204	The New Testament	3.0
REL 314	Western Spirituality: Contemporary Issues	3.0

**At least one of the following world religions:**

REL 304	Islam	3.0
PLRL 301	Indian Thought	3.0
PLRL 306	Chinese Thought	3.0

**Any two additional courses in religion**

*At least one of which must be at the 300 level or above.*

Subtotal: 15.0

**SOCIAL SCIENCE RESEARCH MINOR****Coordinator:** Laura Moore

This minor can be combined with majors outside the department. It is designed to provide students in social sciences and fields that use social science research methods (such as business administration, communication arts, education and social work) with research skills that are useful in a wide variety of job settings, including human services, education, media, marketing, politics, social action and health-related organizations.

Students who complete the minor meet practicum requirements (SOC 482) either by completing an independent semester-long research project or by working on a collaborative, community-based research project with an agency in the Frederick community.

**REQUIREMENTS FOR THE MINOR****Required:**

SOC 101	Principles of Sociology	3.0
SOC 260	Methods of Social Research	3.0
SOC 261	Quantitative Methods for the Social Sciences	3.0
SOC 472	Advanced Methods of Social Research	3.0
SOC 482	Practicum in Social Research	3.0

**SOCIAL WORK, PRE-PROFESSIONAL PRACTICE, MINOR****Coordinator:** Michelle Gricus

The social work minor offers students in related majors (such as sociology, psychology, law and society and education) an introduction to the methods and theory of social work practice. It enhances students' understanding of human behavior and social policy, and teaches intervention strategies designed to enhance functioning of individuals, families, groups and communities.

**REQUIREMENTS FOR THE MINOR****Required:**

SOWK 201	Introduction to Social Work and the Human Services	4.0
SOWK 301	Social Policy and Human Service Programs	3.0
SOWK 342	Social Work Methods I	3.0
SOWK 345	The Human Lifecycle and the Social Environment	3.0
	Select one course from the electives listed for the Social Work major	3.0

**SOCIOLOGY MINOR****Coordinator:** Laura Moore

The sociology minor offers students a systematic introduction to the theoretical and methodological bases of the discipline and, at the same time, contributes to their ability to look at human problems and the human condition analytically; to understand important features of the society in which they live; and to think and communicate logically and clearly.

**REQUIREMENTS FOR THE MINOR****Required:**

SOC 101	Principles of Sociology	3.0
SOC 259	Sociological Theory	3.0

SOC 260	Methods of Social Research	3.0
	Two additional courses in sociology (SOC)	6.0

## SPANISH: IBERIAN AND LATIN AMERICAN CULTURAL STUDIES MINOR

**Coordinator:** Robert Casas Roige

The Spanish: Iberian and Latin American Cultural Studies minor offers students an understanding of the Spanish language as well as the study of the cultural, historical, linguistic, and political complexities of the Iberian and Latin American regions.

### REQUIREMENTS FOR THE MINOR

**Choose One**

One SPAN at the 300-level in Iberian or Latin American Literature or Culture

SPAN 315	Advanced Composition	3.0
SPAN 323	Spanish Cinema	3.0
SPAN 333	Latin American Poetry	3.0
SPAN 336	Latin American Fiction	3.0
SPAN 343	Spanish Theater	3.0

**Choose One**

One SPAN at the 200-level in Iberian or Latin American Culture

SPAN 204	Spanish Culture and Civilization	3.0
SPAN 220	Cultural Perspectives on Latin America	3.0

**Choose One**

One SPAN at the 200-level in Latin American Literature or Culture

SPAN 215	Hispanic & Latino Film	3.0
SPAN 240	Latin American Lit Popular Culture	3.0

**Choose One**

One SPAN at the 200-level in Iberian Literature or Culture

SPAN 207	Cultural Perspectives on Spanish Literature I	3.0
SPAN 208	Cultural Perspectives on Spanish Literature II	3.0

**Required:**

SPAN 203	Spanish Conversation & Composition	3.0
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Subtotal: 15.0

## STUDIES IN WOMEN AND GENDER MINOR

**Coordinator:** Lisa Algazi-Marcus

The studies in women and gender program at Hood examines the experience of gender and the status of women cross-culturally and historically. Gender categories do not exist in isolation, but intersect with race, ethnicity, nationality, class, sexuality, age and other social categories to shape identities and institutions. The program provides an analytical framework for students to examine gender across disciplines and in their own lives.

### REQUIREMENTS FOR THE MINOR

**Required Course:**

SWAG 200	Introduction to Studies in Women's and Gender	3.0
	or	
PHIL 203	Philosophical Issues in Feminism	3.0

**Minimum of 12 credits from the following list, with no more than 6 credits within the same discipline**

(with the exception of SWAG 299, SWAG 375 and SWAG 399):

AFAM 470/AFAM 570	African American Feminist Thought	3.0
ECON 320	The Economics of Gender	3.0
ENGL 278	Genre Studies: The Woman in the Poem	3.0
ENGL 340	Writers of Significance: Elizabeth Bishop & Sylvia Plath	3.0
ENGL 342	Writers of Significance: Jane Austen	3.0
ENGL 344	Writers of Significance: Woolf and Forster	3.0
ENGL 347	Writers of Significance: Whitman & Dickinson	3.0
ENGL 441	Faulkner and Morrison	3.0
FREN 313	Gender and Gaze in Modern French Literature and Film	3.0
GLBS 345	Global Perspectives on Women, Power and Politics	3.0
FREN 320	Francophone Women Writers	3.0
HIST 269	Women in America	3.0
HIST 306	Heresy and Society in Europe, 1400-1800	3.0
HIST 312	Women in Medieval Europe	3.0
HIST 359	Black Women in America	3.0
HON 301	Images of Women	3.0
PE 227	Women's Health Issues	3.0
PHIL 203	Philosophical Issues in Feminism	3.0
PSCI 202	Women & Politics	3.0
PSCI 336	Gender and the Law	3.0
PSY 206	Psychology of Women	3.0
PSY 370E	Sem: Psychology of Human Sexuality	3.0
SOC 308	Sociology of Sexuality	3.0
SOC 310B	Topics in Sociology: Gender and Crime	3.0
SOC 311	Sociology of Gender	3.0
SWAG 299	Special Topics	3.0
SWAG 312/HON 312	Revisioning Motherhood in Modern Western Culture	3.0
SWAG 375	Independent Study	1.0 - 3.0
SWAG 397	Special Topics	3.0
SWAG 399	Internship	3.0 - 6.0
Subtotal: 15.0		

## STUDIO ART MINOR

**Coordinator:** Gary Cuddington

The minor in studio art exposes students to fundamentals of design, drawing and painting, and develops visual and creative thinking skills.

Fine art is about layers of meaning, about the visual message in relationship to us as people. Students are required to address hard questions and become more articulate visually. As the world moves toward a fast-paced, visual-based, computer-linked society, it is within studio art that rigorous academic studies and personal expression merge in a new understanding of life as an integrated whole. The cognitive skills developed during the creative process span the skills needed for a creative approach to life.

### REQUIREMENTS FOR THE MINOR

**Required:**

ARTS 101	Design	4.0
ARTS 123	Drawing I	3.0

**Three of the following:**

ARTS 203	Ceramics Handbuilding	3.0
ARTS 211	Digital Photography	3.0
	or	
ARTS 214	Darkroom Photography	3.0

ARTS 224	Drawing II	3.0
ARTS 226	Digital Arts	3.0
ARTS 234	Relief Printmaking I	3.0
ARTS 235	Monotype Printmaking I	3.0
ARTS 237	Painting I	3.0
ARTS 243	Ceramic Wheel	3.0
ARTS 304	Ceramics: Sculpture/Handbuilding	3.0
ARTS 311	Photography II	3.0
ARTS 312	Photography III	3.0
ARTS 314	Relief Printmaking II	3.0
ARTS 315	Monotype Printmaking II	3.0
ARTS 316	Selected Topics in Studio Art	3.0
ARCA 322	Photojournalism	3.0
ARTS 324	Drawing III	3.0
ARTS 330	Skills for Surviving in Drawing & Painting	3.0
ARTS 334	Advanced Printmaking	3.0
ARTS 338	Painting II	3.0
ARTS 339	Painting III	3.0
ARTS 343	Intermediate Wheel	3.0
ARTS 344	Drawing IV	3.0
ARTS 345	Ceramic Sculpture	3.0
ARTS 498	Advanced Topics in Studio Art	3.0
	Any 3-credit course offered through the artists in residence program or special topics in studio arts	3.0

Subtotal: 16.0

## THEATRE AND DRAMA MINOR

**Coordinator:** Joe Brady

Drama and its active practice, theatre, is an art form dedicated to expression and communication; exposure to and training in it can also serve students in a range of non-performative areas of study, such as education, business administration and social work.

### REQUIREMENTS FOR THE MINOR

Students choosing a minor in theatre and drama take a minimum of 15 credits from the courses listed below, three credits of which should be THEA courses. Additionally, student work in performance projects sponsored by the minor may count for one, two or three credits.

**Select 15 credits from the following, three credits of which should be THEA courses:**

ENTH 229	History of Drama Theatre I	3.0
ENTH 230	History of Drama and Theatre II	3.0
ENGL 273	Genre Studies: Renaissance Drama	3.0
ENTH 205	Introduction to Playwriting	3.0
ENTH 303	Advanced Playwriting	3.0
ENGL 313	Shakespeare	3.0
ENGL 414	Shakespeare on Film	3.0
FREN 321	Masque et illusion dans la France d'Ancien Regime	3.0
SPAN 343	Spanish Theater	3.0
THEA 101	The Elements of Acting	3.0
THEA 102	Improvisation	3.0
THEA 202	The Theatre and Films of Buster Keaton	3.0
THEA 212	Improvisation II	3.0
THEA 254	Directing	3.0
THEA 370	Theater Practicum	1.0

## WRITING MINOR

**Coordinator:** Katherine Orloff

### REQUIREMENTS FOR THE MINOR

**12 credits in writing-intensive courses from the following group, 3 credits at the 300 level or above:**

CMA 201	Media Writing I	3.0
CMA 260	Media Writing II	3.0
CMA 281	Introduction to Screenwriting	3.0
CMA 299	Special Topics in Communication Art	1.0 - 3.0
CMA 303	Advanced Reporting	3.0
CMA 306	Business Writing in the Digital Age	3.0
CMA 313	Writing for Public Relations	3.0
ENGL 200-209	Topics in Writing	3.0
ENGL 219	Creative Writing	3.0
ENGL 299	Special Topics	1.0 - 3.0
ENGL 326	Intermediate Fiction Writing	3.0
ENGL 327	Intermediate Poetry Writing	3.0
ENGL 335	Teaching Assistantship in English	1.0 - 3.0
ENGL 375	Independent Study	1.0 - 3.0
ENGL 420	Advanced Fiction Writing	3.0
ENGL 421	Advanced Poetry Writing	3.0

*CMA 299, ENGL 299: these courses are writing-intensive.*

**6 credits in literature courses at the 200-level or above**

Subtotal: 18.0

## UNDERGRADUATE CERTIFICATES

### Certificates in Linguistics and Cultural Competency

Intermediate Arabic and Middle Eastern Studies Certificate (p. 101)

Advanced Arabic and Middle Eastern Studies Certificate (p. 101)

Intermediate French and Francophone Studies Certificate (p. 101)

Advanced French and Francophone Studies Certificate (p. 101)

Intermediate German Certificate (p. 101)

Advanced German Certificate (p. 102)

Intermediate Spanish and Latin American Studies Certificate (p. 102)

Advanced Spanish and Latin American Studies Certificate (p. 102)

### Certificates in Music

Music Performance Certificate (p. 102)

Piano Pedagogy Certificate (p. 102)

**The following are the requirements for an undergraduate certificate:**

- A minimum of 12 credits are required for the certificate
- Students must maintain a grade point average of 2.0 in the certificate coursework and complete a minimum of six credits at Hood College;
- Certificates are open to all degree-seeking Hood students.
- Courses counted in the certificate may also count in a major, minor, or core.
- Certificates are offered by academic departments or programs after approval by the Curriculum Committee and the Maryland Higher

Education Commission. Certificate programs must meet the minimum standards of the College policy and the Code of Maryland.

- Certificates will be awarded and noted on the academic record upon completion of all requirements.
- Students may not design their own certificates.
- Declarations to add a certificate must be made in the registrar's office no later than the end of the junior year.

## **INTERMEDIATE ARABIC AND MIDDLE EASTERN STUDIES CERTIFICATE**

Certificates and their requirements

- Students working on both the intermediate and advanced certificates must also attend two cultural events dealing with cultural awareness and diversity sponsored by the Department of Global Languages and Cultures Department or the Center for Global and International Studies
- Students working on any certificate program are strongly encouraged to study abroad and/or to live in one of the language houses to increase their language proficiency.

### **REQUIREMENTS FOR THE CERTIFICATE**

**Required:**

ARAB 101	Elementary Arabic I	4.0
ARAB 102	Elementary Arabic II	4.0
ARAB 201	Intermediate Arabic I	3.0
MEST 300	Cultures of the Middle East and	3.0
ART 372C	Arts of the Non-Western World: Islamic Art or One 3 credit Independent Study in MEST 375 or ARAB 375	3.0

## **ADVANCED ARABIC AND MIDDLE EASTERN STUDIES CERTIFICATE**

Certificates and their requirements

- Students working on both the intermediate and advanced certificates must also attend two cultural events dealing with cultural awareness and diversity sponsored by the Department of Global Languages and Cultures Department or the Center for Global and International Studies
- Students working on any certificate program are strongly encouraged to study abroad and/or to live in one of the language houses to increase their language proficiency.

### **REQUIREMENTS FOR THE CERTIFICATE**

**Required:**

ARAB 201	Intermediate Arabic I	3.0
ARAB 202	Intermediate Arabic II	3.0
ARAB 203	Arabic Conversation & Composition	3.0
MEST 300	Cultures of the Middle East and	3.0
ART 372C	Arts of the Non-Western World: Islamic Art or One 3 credit Independent Study in MEST 375 or ARAB 375	3.0

## **INTERMEDIATE FRENCH AND FRANCOPHONE STUDIES CERTIFICATE**

Certificates and their requirements

- Students working on both the intermediate and advanced certificates must also attend two cultural events dealing with cultural awareness and diversity sponsored by the Department of Global Languages and Cultures Department or the Center for Global and International Studies
- Students working on any certificate program are strongly encouraged to study abroad and/or to live in one of the language houses to increase their language proficiency.

Requirements for the Certificate

**Required:**

FREN 201	Intermediate French I	3.0
FREN 202	Intermediate French II	3.0
FREN 203	French Conversation & Composition	3.0
	One additional French course at the 203-level or above	3.0
	One 300-level or above French elective	3.0

## **ADVANCED FRENCH AND FRANCOPHONE STUDIES CERTIFICATE**

Certificates and their requirements

- Students working on both the intermediate and advanced certificates must also attend two cultural events dealing with cultural awareness and diversity sponsored by the Department of Global Languages and Cultures Department or the Center for Global and International Studies
- Students working on any certificate program are strongly encouraged to study abroad and/or to live in one of the language houses to increase their language proficiency.

### **REQUIREMENTS FOR THE CERTIFICATE**

**Required:**

FREN 203	French Conversation & Composition	3.0
	Two additional 200-level French electives	6.0
	Two 300-level or above French electives	6.0

## **INTERMEDIATE GERMAN CERTIFICATE**

Certificates and their requirements

- Students working on both the intermediate and advanced certificates must also attend two cultural events dealing with cultural awareness and diversity sponsored by the Department of Global Languages and Cultures Department or the Center for Global and International Studies
- Students working on any certificate program are strongly encouraged to study abroad and/or to live in one of the language houses to increase their language proficiency.

### **REQUIREMENTS FOR THE CERTIFICATE**

**Required:**

GER 201	Intermediate German I	3.0
GER 202	Intermediate German II	3.0
GER 203	German Conversation & Composition	3.0
	One additional German course at the 203-level or above	3.0

One 300-level or above German elective 3.0

## ADVANCED GERMAN CERTIFICATE

### Certificates and their requirements

- Students working on both the intermediate and advanced certificates must also attend two cultural events dealing with cultural awareness and diversity sponsored by the Department of Global Languages and Cultures Department or the Center for Global and International Studies
- Students working on any certificate program are strongly encouraged to study abroad and/or to live in one of the language houses to increase their language proficiency.

### REQUIREMENTS FOR THE CERTIFICATE

#### Required

GER 203	German Conversation & Composition	3.0
	Two additional 200-level or above German electives	6.0
	Two 300-level or above German electives	6.0

## INTERMEDIATE SPANISH AND LATIN AMERICAN STUDIES CERTIFICATE

### Certificates and their requirements

- Students working on both the intermediate and advanced certificates must also attend two cultural events dealing with cultural awareness and diversity sponsored by the Department of Global Languages and Cultures Department or the Center for Global and International Studies
- Students working on any certificate program are strongly encouraged to study abroad and/or to live in one of the language houses to increase their language proficiency.

### REQUIREMENTS FOR THE CERTIFICATE

#### Required

SPAN 201	Intermediate Spanish I	3.0
SPAN 202	Intermediate Spanish II	3.0
SPAN 203	Spanish Conversation & Composition	3.0
	One 200-level or above Spanish or LSSP elective	3.0
	One 300-level or above Spanish or LSSP elective	3.0

## ADVANCED SPANISH AND LATIN AMERICAN STUDIES CERTIFICATE

### Certificates and their requirements

- Students working on both the intermediate and advanced certificates must also attend two cultural events dealing with cultural awareness and diversity sponsored by the Department of Global Languages and Cultures Department or the Center for Global and International Studies
- Students working on any certificate program are strongly encouraged to study abroad and/or to live in one of the language houses to increase their language proficiency.

## REQUIREMENTS FOR THE CERTIFICATE

#### Required

SPAN 203	Spanish Conversation & Composition	3.0
	Two additional 200-level or above Spanish or LSST electives	6.0
	Two 300-level or above Spanish or LSSP electives	6.0

## MUSIC PERFORMANCE CERTIFICATE

### Coordinator: Wayne L. Wold

Music performance certificates are available in any area offered at Hood—voice, piano, organ, harpsichord, violin, viola, cello, string bass, all brass instruments, classical guitar, oboe, clarinet, flute, composition, and conducting.

Students who possess a baccalaureate degree from an accredited institution in fields other than music and can demonstrate significant ability in one of the above instruments or areas may earn a professional certificate in music performance. Enrollment, as an upper division certificate student, begins with an interview with the department chair, followed by a departmental audition. If accepted into the program, students will enroll and complete the requirements within three years. A grade of “B” or better must be earned in all courses. Up to two credits of applied music may be exempted, based on the audition, as well as MUSC 101 Beginning Music Theory and Musicianship, if this course has already been taken at the collegiate level. If MUSC 103 Introduction to Music has been earned elsewhere, a higher level music history course must be taken. The Hood transcript will show only those courses earned at Hood and that the requirements of the certificate have been met.

### REQUIREMENTS FOR THE CERTIFICATE IN MUSIC PERFORMANCE (17 CREDITS)

Prerequisites: Bachelor’s degree from an accredited institution (any major other than music) and a successful departmental audition.

#### Required:

MUSC 101	Beginning Music Theory & Musicianship I	3.0
MUSC 103	Introduction to Music	3.0
	6 credits of applied music in the area of certification	6.0
	1 credit of related ensemble	1.0
	Participation in two honors recitals	
	2 credits juried (senior) recital	2.0

Students must earn a “B” or higher in every course in order to receive the certificate.

Students in music certificate programs take undergraduate courses at one-half tuition.

## PIANO PEDAGOGY CERTIFICATE

### Coordinator: Wayne L. Wold

Students who possess a baccalaureate degree from an accredited institution in fields other than music and have demonstrable ability in piano may earn a professional certificate in piano pedagogy. Enrollment, as an upper division certificate student, begins with an interview with the department chair, followed by a departmental audition. If accepted into the program, students will enroll and complete the requirements within three years. A grade of “B” or better must be earned in all courses. Up to two credits of applied music may be exempted, based on the audition, as well as MUSC 101 Beginning Music Theory and Musicianship, if taken at

the collegiate level. If MUSC 103 Introduction to Music has been earned elsewhere, a higher level music history course must be taken. The Hood transcript will show only those courses earned at Hood and that the requirements of the certificate have been met. Students who are concurrently pursuing the certificate in piano performance would need to take one semester of harpsichord and MUSC 375 Independent Study in Piano Pedagogy in order to earn the second certificate in piano pedagogy.

### **REQUIREMENTS FOR THE CERTIFICATE IN PIANO PEDAGOGY (MINIMUM 18 CREDITS)**

Prerequisites: Bachelor's degree from an accredited institution (any major other than music) and a successful departmental audition.

**Required:**

MUSC 101	Beginning Music Theory & Musicianship I	3.0
MUSC 103	Introduction to Music	3.0
	6 credits of piano	6.0
	or	
	5 credits of piano and 1 credit of harpsichord	6.0
	1 credit of piano ensemble	1.0
MUSC 375	Independent Study	1.0 - 3.0

Students must earn a "B" or higher in every course in order to receive the certificate.

Students in music certificate programs take undergraduate courses at one-half tuition.

## **UNDERGRADUATE SECONDARY EDUCATION CERTIFICATION**

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Hood offers preparation leading to state of Maryland secondary teaching certification (middle through high school) in eight subjects: biology, chemistry, English, French, history, mathematics or Spanish and art (preK-12). For more information, refer to both *Education* (p. 68) and the field in which you plan to major, in *Undergraduate Majors*. (p. 55)



# UNDERGRADUATE COURSES

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## About Undergraduate Course Offerings

### Practical Learning Courses - Internships, Field Work, Practicums

Practical learning courses include internships, directed projects, field work and practicums. These courses are directly supervised by faculty at Hood College, are graded in a similar manner and awarded credit in the same unit as resident courses, are part of an approved curriculum and meet a requirement for graduation. Students are expected to spend at least as much time in preparation and training as is normally required for resident courses; each course has an assigned instructor; and interaction between instructor and student is regularly scheduled. The planned program of activities is controlled by the school, not by officials of the external agency.

### Independent Study (375) and Teaching Assistantships (335)

Independent study (375) and teaching assistantships (335) are not conventional classroom or laboratory experiences but are an integral part of Hood's programs. A Hood faculty member is required to supervise and schedule regular interaction with students involved in these learning experiences.

### Course Numbering System

**100-499** Courses numbered in this way designate undergraduate courses.

**299** Special topics courses are offered in many departments or on an interdepartmental basis. The content and methods of such courses vary with the interest of students and faculty members, emerging knowledge or issues and opportunities for field experience. A special topics course may or may not count toward the major.

**397** An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members.

**498 Special Topics** (Reserved for double-numbered courses.) See individual departmental listings in current class schedule.

**499** Designates departmental honors paper, a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Departments identify potential Tischer Scholars from junior majors with a 3.0 overall grade point average and a 3.5 in the major, and invite students from that list to participate in Departmental Honors. Students who accept then choose topics in consultation with a departmental honors adviser. Students, in consultation with their advisers, select an advisory committee of two additional faculty members—one of whom must be outside the student's major department—who will advise the student as needed and serve as readers. During the senior year, The Tischer Scholars are expected to work closely with their departmental honors advisers and, where needed, their other readers. They are also required to maintain a B average in the major and present a completed paper or project by the date set by the Honors Committee in order to qualify for departmental honors at Commencement. Tischer Scholars receive 6 credits, which may be applied to the major or considered as electives. A grade of B- or below for the departmental honors project results in conversion of the project to 6

credits of independent study. Withdrawal from the Departmental Honors Program requires the permission of the department chair, the departmental honors advisers and the honors director.

All Departmental Honors Papers are included in the permanent collections of the Beneficial Hodson Library.

### Course Offerings

Each course indicates when the course is offered. Courses indicated as first semester are offered in the fall semester and those indicated as second semester are offered in the spring.

## AFAM - AFRICAN AMERICAN STUDIES

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### AFPS 240 - African American Politics (3.0)

An examination of African-American political activity in the 20th century. African-American participation in the U.S. electoral process and the power structure in African-American communities.

Offered: As Needed

### AFAM 251 - The African Diaspora (3.0)

The comparative study of old and new African diasporas in Europe and the Americas emphasizing political movements, leadership and tactics. The roles of educational and religious institutions in developing resistance to doctrines of racial supremacy.

Core: Social and Behavioral Analysis

Offered: Spring Semester

### AFHS 257 - The African American Experience (3.0)

A chronological survey of African-American history from pre-colonial Africa and colonial America through the twentieth century. Focuses on the economic, political, social and cultural context in which a uniquely constituted African-American culture developed in the course of the struggle to achieve human rights.

Core: Historical Analysis

Offered: Fall Semester

### AFEN 265 - African American Voices Before 20th Century (3.0)

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* We will study the ways in which early African-American literary traditions have been formed not only by slavery, but also by community, geography, politics, and literature itself. Works may include slave narratives of Olaudah Equiano, Frederick Douglass, Elizabeth Keckley, and Harriet Jacobs, as well as 19th century fiction by Harriet Wilson, Harriet Beecher Stowe and Charles Chesnut. (H2)

Core: Literature

Offered: Fall Semester (Even Years)

**AFEN 266 - The Harlem Renaissance and Beyond: 20th Century African-American Literature (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* This course explores the influences of blues, jazz, and spirituals; folklore; and socio-economic history on African American literature of the 20th and early 21st centuries. We'll examine how survival and resistance become art forms in the work of authors like W.E. B. DuBois, James Weldon Johnson, Zora Neale Hurston, James Baldwin, and Toni Morrison. (H2)

Core: Literature

Offered: Fall Semester (Odd Years)

**AFPY 270 - African American Psychological Perspectives (3.0)**

This course will explore the theories, research and practices of African-American psychology. Themes include the definition and development of African-American psychology, identity and personality formation of African-Americans, and historical and current issues affecting the lives of African Americans.

Offered: Spring Semester

**AFAM 299 - Special Topics (3.0)**

This course is a general topics course in African-American Studies, allowing faculty and students to study particular topics of interest.

Offered: As Needed

**AFPS 301 - African-American Political Autobiography (3.0)**

*Prerequisite: 3 hours in African-American history, literary criticism or politics, or permission of the instructor.* This course examines the connections between autobiography, political philosophy, utopian thought and politics in African-American autobiographies analyzing to determine the criticisms authors launched against their societies, the social and political alternatives suggested and the agencies they suggested be mobilized to institute change.

Core: Historical Analysis

Offered: As Needed

**AFRL 311 - Black Theology (3.0)**

*Prerequisite: 3 credits of history, religion, political science, or African-American Studies at the 200 level, or permission of the instructor.* This course introduces students to the core of black Christian theological thought: black liberation theology. We will explore the historical roots of black Christian theology and focus on some of its key tenets, like the physical depiction of Christ, the depiction of the Christian community/communities and the role of Christianity. We will identify the major points of convergence and divergence between black liberation theology and other liberation theologies such as womanist theology and Latin American liberation theology.

Core: Philosophical Inquiry

Offered: Either Semester (As Needed)

**AFAM 335 - Teaching Assistantship in African-American Studies (1.0 - 2.0)**

*Prerequisites: Senior standing, at least three courses in the African-American Studies minor, and permission of the instructor* The assistant would attend classes, tutor students, show and discuss films and join in periodic conferences with the instructor. Other duties would include assisting the instructor in other class-related projects, including field trips,

speakers and discussion sessions. May be taken only once. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**AFPS 353 - Contemporary African Political Thought (3.0)**

*Prerequisite: HIST 246 or AFPS 350 or completion of the Philosophical Inquiry section of the Core.* An introduction to African political thought from the pre-colonial period to the present. Emphasis will be given to the impact of Islam, cultural nationalism, nationalism, revolutionary theories, democracy, African socialism and Marxism of major African political theorists.

Core: Global Perspectives

Offered: As Needed

**AFAM 375 - Independent Study in African-American Studies (1.0 - 3.0)**

*Prerequisites: 6 credits in African-American Studies and permission of the instructor.* Independent reading and/or research in a selected field of African-American Studies. Conferences.

Offered: Either Semester

**AFAM 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

**AFAM 399 - Internship in African American Studies (3.0 - 6.0)**

*Prerequisites: 9 credits in African-American Studies.* An investigation of how race and racial dynamics function in a variety of private, public and on-governmental settings through supervised full- or part-time work. Sites and projects must be approved by, and coordinated with, the instructor. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**AFHS 424 - Race and Racism in the United States (3.0)**

*Prerequisites: Junior or senior standing and HIST 217 or HIST 218 or AFHS 257.* This course explores the origins and development of racial attitudes, both scientific and popular, supporting mythologies, and contemporary institutional expressions. It will also discuss the African Americans' attempts to resist white supremacy. Emphasis will be on African American history since Reconstruction.

Cross-Listed as: Double-numbered course; offered with graduate-level AFHS 524

Offered: As Needed

**AFAM 470 - African American Feminist Thought (3.0)**

*Prerequisites: Junior or senior standing and 3 hours in African-American history or African-American literature.* An examination of African-American feminist scholarship in the 19th and 20th centuries, as African-American women grappled with the issues of gender, race and class. Focus on African-American women's perspectives and diverse experiences within the context of changing political, economic and social structures.

Cross-Listed as: Double-numbered course; offered with graduate-level AFAM 570

Offered: As Needed

## ANTH - ANTHROPOLOGY

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### ANTH 201 - Introduction to Anthropology (3.0)

The study of human beings and their cultures. While the primary emphasis is on cultural anthropology, the related disciplines of physical anthropology, archaeology, linguistics, and ethnology constitute an integral part of the course. The course is designed to develop meaningful insights into diverse cultures and introduce students to anthropological ways of thinking.

Core: Social and Behavioral Analysis

Offered: Spring Semester

### ANTH 302 - Cultural Anthropology (3.0)

*Prerequisite: Sophomore standing.* An examination and analysis of one or more of the major cultural areas of the world (e.g., sub-Saharan Africa, Southeast Asia, India, South America, Meso-America and North America). Anthropological, historical, archaeological and linguistic data will be used to explore such topics as social organization and structure, kinship, political and economic institutions, aesthetic forms, and the religious beliefs and values that give meaning to human activities.

Offered: Fall Semester

### ANTH 335 - Teaching Assistantship (1.0)

*Prerequisite: ANTH 201 and permission of the instructor.* Assists with an anthropology class. Teaching assistants may attend classes, lead discussions and review sessions, tutor students, show films, distribute in-class exams, and other tasks as assigned. They will also meet periodically with the instructor. Students may also be given the opportunity to develop and deliver an in-class lecture. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

### ANTH 375 - Independent Study (1.0 - 3.0)

*Prerequisite: Permission of instructor and department.* Study of a selected subject. Conferences and reports.

Offered: Either Semester

### ANTH 397 - Special Topics (3.0)

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

## ARAB - ARABIC

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### ARAB 101 - Elementary Arabic I (4.0)

Development of the basic language skills: listening, speaking, reading and writing. Special emphasis on aural-oral proficiency.

Core: Foundations/Foreign Language

Offered: Fall Semester

### ARAB 102 - Elementary Arabic II (4.0)

*Prerequisite: ARAB 101 or permission of department chair.*

Continuation of Elementary Arabic I.

Core: Foundations/Foreign Language

Offered: Spring Semester

### ARAB 105 - Arabic Conversation (1.0)

*Prerequisite: ARAB 102 or exemption by exam or permission of department.* A one-credit conversation course conducted in Arabic designed to develop oral skills. Weekly discussions based on readings of cultural or current topics. Final grade based on attendance and participation and on one writing assignment in Arabic. May be repeated.

Offered: Both Semesters

### ARAB 201 - Intermediate Arabic I (3.0)

*Prerequisite: ARAB 102* Development of intermediate Arabic language skills: listening, speaking, reading and writing. Special emphasis on aural-oral proficiency.

Core: Foundations/Foreign Language

Offered: Fall Semester

### ARAB 202 - Intermediate Arabic II (3.0)

*Prerequisite: ARAB 201* Development of intermediate Arabic language skills: listening, speaking, reading and writing. Special emphasis on aural-oral proficiency.

Core: Foundations/Foreign Language

Offered: Spring Semester

### ARAB 203 - Arabic Conversation & Composition (3.0)

*Prerequisites: ARAB 202 or permission of the department chair.*

Concentration on writing, conversation and structural difficulties.

Reading and discussion of cultural material of an interdisciplinary nature.

Offered: Fall Semester

### ARAB 335 - Teaching Assistantship (1.0 - 3.0)

*Prerequisite: Invitation of the department. (May be repeated for a maximum of 4 credits)* An opportunity for qualified seniors to conduct practice sessions, tutor students and/or administer examinations in specified 100- and 200-level courses. Students are selected by the department. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

### ARAB 375 - Independent Study in Arabic (1.0 - 3.0)

*Prerequisites: Permission of the instructor or department chair.* Study of a selected subject. Conferences and reports.

Offered: Either Semester

### ARAB 397 - Special Topics (3.0)

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

## ART - ART

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### ART 201 - Meaning & Method in Art (3.0)

An analytical inquiry into the modes and media of visual culture, focused especially on the challenge of contemporary art. Drawing upon examples from ancient building to oil painting to advertisement to video, the focus

will be on the nature and variety of expression and interpretation. Active looking, reading, and discussion will be paramount.

Core: Art/Visual & Performing

Offered: Fall Semester

**ART 213 - Art, History and the Humanities (1.0)**

This course will be tied to the themes of Hood's ongoing Humanities Colloquium. Through selected readings and discussion as well as attendance at the Colloquium presentations themselves, students will be able to pursue some of the central topics of the Humanities and their many connections with art and archaeology. This course can be retaken twice for credit, as its' subject continually changes.

Offered: Fall Semester

**ART 215 - Introduction to Museum Studies (3.0)**

Introduction to the histories, types, functions and meanings of museums of art and history. Through reading, discussion, lectures, independent assignments and field trips to major museums in the area, we consider the many sorts of collections, contexts and displays, as well as political and social issues involved in running museums today.

Offered: As Needed

**ART 219 - Art of Three Faiths (3.0)**

Known as the Abrahamic faiths in recognition of their shared spiritual ancestry, Judaism, Christianity, and Islam have complex and interwoven histories that have dramatically shaped the world around the Mediterranean and beyond. This class will explore the foundations, beliefs, and relationships between these three faiths through their visual, architectural, textual and material records from the ancient world through the thirteenth century.

Core: Global Perspectives and Visual & Performing Arts

Offered: Fall (Even Years)

**ART 220 - History of Art I (3.0)**

An introduction to painting, sculpture and architecture from ancient Egypt to the beginning of the Renaissance. Both the art of Western Europe and the art of Asia (India, China, and Japan) will be included. Emphasis on major artists and movements, the cultural context of art, changes in modes of artistic expression over time, and issues of gender in art.

Core: Art/Visual & Performing

Offered: Both Semesters

**ART 221 - History of Art II (3.0)**

An introduction to painting, sculpture, and architecture from the Renaissance to the modern era in Western Europe and the United States. Emphasis on major artists and movements, the cultural context of art, changes in modes of artistic expression over time, and issues of gender in art.

Core: Art/Visual & Performing

Offered: Spring Semester

**ART 231 - Archaeology of Native North America (3.0)**

Archaeology of North America, from initial settlement to contact with European immigrants. Topics include identity of the first settlers, foraging societies of the Archaic, political development in the Midwest and Southwest, and urbanism in the Mississippian.

Core: Global Perspectives

Offered: Fall Semester (Odd Years)

**ART 250 - Art of Asia (3.0)**

An introduction to the history of art and architecture of South and East Asia with an emphasis on India, China and Japan. Consideration of key artworks from each culture and their styles, themes and techniques; includes discussions of gender, ethnicity, class and ideology in the making and viewing of Asian art.

Core: Global Persp & Visual Perf Arts

Offered: Either Semester

**ART 275 - The Art of Film: History & Technique (3.0)**

*Prerequisite: ENGL 100 or 3 credits from ENGL 110-139.* An intro to film aesthetics (cinematography, editing, sound) and formal structure (narrative, documentary, experimental) along with the historical, social, and theoretical contexts that shape our understanding of film art from its origins through to the present day.

Core: Art/Visual & Performing

Offered: As Needed

**ART 299 - Special Topics in Art (3.0)**

This course will consider special topics of interest to students and faculty in the fields of art history and archaeology. Topics will vary.

Offered: As Needed

**ART 300 - Gallery Management (2.0)**

*Prerequisites: ART 220 or ART 221 or ARTS 101 or permission of the instructor. (May be repeated for a maximum of 4 credits)* Practicum in methods and techniques of art gallery management. Under faculty supervision, students will serve as assistant curators of art exhibits in Hodson Gallery. Students will follow structured gallery procedures to facilitate the exhibition program.

Offered: Both Semesters

**ART 304 - American Art before 1900 (3.0)**

*Prerequisite: ART 221 or permission of the instructor.* American art considered in its historical context, both in its own right and as related to European artistic developments. Emphasis on varieties of artistic production and modes of judgment or evaluation.

Offered: Fall (Even Years)

**ART 305 - The Youngest Art: History of Photography (3.0)**

*Prerequisite: ART 221 or permission of the instructor.* This course considers the origin, development and variety of photography, from its invention to the present. Students become acquainted with critical and interpretive approaches to photography. Lecture, discussion and independent analysis of selected topics, readings and images. Students have opportunity to produce both visual art and written projects.

Offered: As Needed

**ART 306 - Writing for Art and Archaeology (3.0)**

*Prerequisites: One of the following: ART 201, ART 220, ART 221 or permission of the instructor.* This course prepares students for the critical reading and writing projects common to upper-level courses in Art and Archaeology. Students will learn to analyze a wide variety of art historical and archaeological writing, from general interest articles to scholarly monographs and technical reports. The course also involves several

writing projects designed to expand students' abilities to observe, describe, research, and analyze artworks and artifacts through writing. Ideally completed in the second semester of the sophomore year, this course may not be taken in the senior year.

Offered: Spring Semester

**ART 308 - Myths, Saints and Symbols (3.0)**

*Prerequisites: ART 220 or permission of the instructor.* A study of subject matter in art, especially subjects taken from classical mythology and the Old and New Testaments.

Offered: Spring Semester (Odd Years)

**ART 312 - Archaeology: Cultures, Technologies, Methods and Theories (3.0)**

*Prerequisites: Junior or senior standing, completion of the Social and Behavioral Analysis section of the Core and one course from the Scientific Thought section of the Core.* This course examines the history of archaeological exploration and the discipline of archaeology as it is currently practiced. Archaeological cultures that vary from one another widely, both in terms of their geographic locations and the time periods in which they existed will be examined.

Offered: Fall Semester

**ART 319 - Orientalism & Egyptomania: Rediscovering & Remaking the Ancient Middle East (3.0)**

*Prerequisites: Open to art majors and minors or by permission of the instructor.* This class will examine the rediscovery and re-presentation of Egypt and related lands in the Middle East during the 19th and 20th century by artists, travelers and related figures. We will consider visual and literary sources of many kinds, from the lands of the Middle East and the Western cultures of discoverers.

Cross-Listed as: Also offered as HON 319

Offered: As Needed

**ARCA 322 - Photojournalism (3.0)**

*Prerequisites: CMA 201 or ARTS 211 or permission of the instructor. Lab fee.* This course will introduce students to the communication field of photojournalism. Photojournalism is a very powerful tool in documenting the world around us. From community events, conflicts around the world, the political arena, high school through professional sports and the environment, photojournalists are empowered to show to their audience events that affect their daily lives.

Offered: Spring Semester (Odd Years)

**ARRL 330 - Archaeology of Ancient Israel (3.0)**

*Prerequisites: ART 220 or HIST 264 or permission of the instructor* Examines archaeology in and around the modern country of Israel, from the Neolithic Age through the Iron Age (c. 12,000-586 B.C.), with focus on how scholars reconstruct social, economic, religious and political institutions. Evidence from archaeological sites and surveys, written documents from Israel.

Offered: Fall Semester (Odd Years)

**ART 331 - Museums, Sites and Cities (3.0)**

*Prerequisites: Participation in instructor-led research trip and permission of instructor.* Following a January Term or summer research trip offered by department faculty, students in this course will apply the knowledge and insight gained by the travel experience to analytical

reading and discussion, and to an extensive research paper, or other similar advanced assignments.

Offered: As Needed

**ART 331B - Museums, Sites, and Cities: Castles and Crowns-England and Scotland (3.0)**

*Prerequisites: Art 220 or permission of the instructor.* This course will examine the architectural development, archaeological exploration, historical context, military functions, and socio-political contexts of castles in England and Scotland from 1066 to the present day.

Core: Global Perspectives

Offered: Spring Semester (As Needed)

**ART 332 - Aegean Archaeology (3.0)**

*Prerequisites: ART 220 or HIST 264 or permission of the instructor* Examines archaeology of the Aegean Sea region (Greece, Crete, and the Cycladic islands) from the Neolithic through the end of the Bronze Age (c. 10,000-1,000 B.C.). Traces the rise and collapse of the Minoans and Mycenaeans, their artistic and material expressions and their associated social, economic, religious and political institutions.

Offered: Fall Semester (Odd Years)

**ART 335 - Teaching Assistantship in Art (1.0 - 2.0)**

*Prerequisite: Invitation of the department. (May be repeated for a maximum of 4 credits).* An opportunity for qualified seniors to serve as teaching assistants in studio art, art history and visual media courses. Responsibilities may include tutoring, holding review sessions, attending field trips, assisting in grading tests and other duties defined by the instructor. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**ART 340 - Art of Prehistory (3.0)**

*Prerequisite: ART 220 or HIST 264 or ART 312 or permission of the instructor.* Traces the development of human culture and civilization, as expressed in artistic and archaeological evidence, from the origins of modern humans through the advent of agriculture and urbanism around the world. The geographic areas discussed in this course include Asia, Europe, Africa and the Americas.

Offered: Spring Semester (Odd Years)

**ART 349 - Art of Egypt and Mesopotamia (3.0)**

*Prerequisite: ART 220 or permission of the instructor.* An examination of the architecture, sculpture, painting and other arts of the major early civilizations of the Near East, from the Neolithic to c. 500 B.C.. Special emphasis will be placed upon the interconnections between these cultures, as well as their points of divergence.

Offered: Fall Semester (Even Years)

**ART 350 - Classical Art and Archaeology (3.0)**

*Prerequisites: ART 220 or permission of the instructor.* This course examines the artistic production and archaeological discovery of the classical age – from the emergence of Greek culture after the Bronze Age to the reign of Constantine. Technological innovations and stylistic developments characteristic of this period are studied in painting, sculpture, architecture, mosaic, and the decorative arts.

Offered: Spring Semester (Even Years)

**ART 351 - Medieval Art (3.0)**

*Prerequisite:* ART 220 or permission of the instructor. The visual and material cultures of Europe and the broader Mediterranean from roughly 1000-1400. Various course themes may include the natures of religious and devotional art; the intersections between faith and power; the influence of non-Western societies and artworks on Western medieval culture; and the various roles of art in medieval societies. Field trips to the Walters Art Museum, Dumbarton Oaks, and/or National Cathedral.

Offered: Spring Semester (As Needed)

**ART 352 - Northern Renaissance Art (3.0)**

*Prerequisite:* ART 220 or ART 221 or permission of the instructor. Visual arts of northern Europe (France, Germany, Netherlands, England, etc.) from the late 13th - 16th centuries. Field trips to the National Gallery of Art and/or the Walters Museum of Art.

Offered: As Needed

**ART 353 - Early Renaissance Art (3.0)**

*Prerequisite:* ART 221 or permission of the instructor. Painting, sculpture and architecture in Italy, especially Tuscany, from the early 13th century until the late 15th century. Topics include civic, religious and private patronage, the changing status of the artist and humanism and the arts. Field trips to the Walters Art Gallery and the National Gallery of Art.

Offered: Fall Semester (Even Years)

**ARLS 354 - Mesoamerican Art and Archaeology (3.0)**

*Prerequisites:* Completion of a 200-level ART, HIST, GLBS, or LSSP course. A survey of pre-Hispanic art and archaeology of indigenous civilizations in Mesoamerica from the peopling of the Americas to A.D. 1519, focusing on the art, architecture, and ritual of the Olmec, Zapotec, Maya, and Aztec cultures.

Core: Global Perspectives

Offered: Spring Semester (As Needed)

**ART 356 - Art of Japan (3.0)**

*Prerequisite:* Completion of the Visual and Performing Arts section of the Core. Survey focusing on painting, sculpture, architecture, and decorative arts from prehistoric to early modern Japan. The historical context of the artwork is emphasized to help students understand how Japanese artistic production is shaped by the social and cultural forces of the times.

Offered: As Needed

**ART 358 - Baroque Art (3.0)**

*Prerequisite:* ART 221 or permission of the instructor. European art and architecture of the 17th and 18th centuries. Selected treatment of style, subject matter, medium and context of an art in the age of kings, courts, academies and emergent nations. Slide lectures and discussion, with a field trip to the National Gallery of Art.

Offered: Fall Semester (Even Years)

**ART 360 - Nineteenth Century Art (3.0)**

*Prerequisite:* ART 221. Art and society in Europe and America from the French Revolution to World War I. Topics include the development of a "modern" visual idiom, rise in status of the artist, emergence of museums and galleries, invention and role of photography and new building technologies. Lecture, discussion, opportunity for independent research and field trip to a major collection.

Offered: Spring Semester (Odd Years)

**ART 361 - Twentieth Century Art (3.0)**

*Prerequisite:* ART 221. European and American art from the 20th century with a strong emphasis on the cultural, social, and political context in which this art was produced. Emphasis is on the overarching themes of Modernism and Postmodernism and topics such as the avant-garde, nationalism, globalization, consumerism, race, gender, class and ethnicity.

Offered: Fall Semester

**ART 370 - Archaeological Fieldwork (3.0)**

*Prerequisites:* 12 credits in art at the 200-level or above, and permission of the archaeology concentration coordinator. May be repeated.

Opportunity to learn archaeological field methods through hands-on experience at an archaeological site selected in collaboration between the student and archaeology concentration coordinator. Students are expected to observe and learn both survey and excavation techniques, recording, drawing and analyzing finds.

Offered: Either Semester

**ART 371 - Themes in Art History (3.0)**

*Prerequisites:* ART 220, ART 221 or permission of the instructor.

Advanced topics in art history. A chance to pursue in more detail subjects only touched upon in large survey courses.

Offered: Either Semester

**ART 372 - Arts of the Non-Western World (3.0)**

*Prerequisite:* ART 201, ART 220 or ART 221 This course allows students to focus on topics and media not featured in broader survey courses of Non-Western art and culture. Courses will feature analysis of major works of Non-Western art, placing these works and their artists in their historical and cultural contexts.

Offered: As Needed

**ART 372C - Arts of the Non-Western World: Islamic Art (3.0)**

*Prerequisites:* ART 201, ART 220 or ART 221 or permission of the instructor. This course explores the pre-modern Islamic artistic and architectural traditions of the Mediterranean, Near East, and Central and South Asia. The course will also focus on how Islamic beliefs have shaped artistic and architectural traditions and cultural exchange between the Islamic world and the rest of Africa, Asia, and Europe.

Offered: As Needed

**ART 375 - Independent Study (1.0 - 3.0)**

*Prerequisite, for theory and studio, 9 credits in art theory and studio courses; for art history, 9 credits in art history or permission of the instructor.* Open to juniors and seniors (with instructor's permission). Independent study in theory and studio, or art history.

Offered: Both Semesters and Summer

**ART 380 - Archaeological Laboratory Analysis (3.0)**

*Prerequisites:* 12 credits in Art and Archaeology at the 200-level or above, and permission of the archaeology concentration coordinator; may be repeated. Opportunity to learn archaeological laboratory methods through hands-on experience at an archaeological lab. Students are expected to observe and learn proper laboratory methods in archaeology, working with artifacts from recovery to preliminary analysis, including

cleaning, stabilizing, sorting, cataloguing, and archiving archaeological materials.

Offered: Summer Semester

**ART 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

**ART 399 - Internship in Art (3.0 - 15.0)**

*Prerequisites: ARTS 101, ART 220, ART 221 and 6 additional credits in art, preferably at the 300-level or above, and permission of the department.* Supervised off-campus internship experience in an institution approved by the department. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**ART 399C - Archaeological Internship & Fieldwork Colloquium (1.0)**

*Prerequisite: Completion of or concurrent enrollment in ART 370, ART 380 or ART 399.* This course completes the internship or fieldwork experience; it is recommended that a student take ART 399C the same semester as ART 370 or ART 380 or ART 399 (but previous completion is also acceptable). It complements and supplements the hands-on experiences with a range of relevant readings, research and presentations. Students do not need to repeat the course with a second enrollment in ART 370 or ART 380 or ART 399.

Offered: Fall Semester

**ART 468 - Contemporary Topics in Visual Art (3.0)**

*Prerequisites: Junior standing, completion of 12 credits in ART or ARTS courses with 3 credits at the 300-level or above, cumulative GPA of 2.00 and ART 221.* Designed for advanced art history and studio art majors, this course focuses on contemporary topics in the visual arts with an emphasis on important developments in North American and European theory and criticism from the 1960s to the present.

Cross-Listed as: Double-numbered course; offered with graduate-level ART 568

Offered: Spring Semester (Odd Years)

**ART 469 - Advanced Topics in Archaeology (3.0)**

*Prerequisites: ART 220 and two courses in art history at the 300-level; open to juniors and seniors only.* This seminar course will be devoted to various important subjects in archaeology. Topics will be issues of concern to professional archaeologists today; possible topics include archaeological ethics; religion and archaeology; ceramics and archaeology; and science in archaeology.

Offered: Fall Semester (Odd Years)

**ART 470 - Seminar: Topics in Art History & Archaeology (3.0)**

*Prerequisites: Three courses in art history at the 200-level or above or permission of the instructor.* Open to juniors and seniors. Majors in art history and archaeology only. This capstone course will be dedicated to various important subjects in art history, archaeology and visual culture. Part will be devoted to lecture and discussion of key readings, images and objects, part to the presentation and consideration of directed research by students.

Offered: Spring Semester

**ART 471 - Advanced Archaeological Fieldwork (3.0)**

*Prerequisites: ART 370, and permission of the Archaeology concentration coordinator.* May be repeated. Designed for students with some experience in archaeological fieldwork, who would like to gain greater hands-on experience at an archaeological site selected in collaboration between the student and archaeology concentration coordinator. Students will be expected to acquire one or more advanced archaeological skills.

Offered: Both Semesters

**ART 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## ARTS - STUDIO ARTS

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**ARTS 101 - Design (4.0)**

*Not open to students who have completed ARTS 102 or ARTS 103. Lab fee.* Students will study the principles of 2D and 3D design through exercises and critical analysis. Lectures and discussion of concepts during class hours, execution of projects during studio hours. Concurrent enrollment in ARTS 123 recommended for students planning to continue in Studio Art.

Core: Art/Visual & Performing

Offered: Both Semesters

**ARTS 123 - Drawing I (3.0)**

*Prerequisite: ARTS 101 or ARTS 102 recommended, not required. May be taken concurrently with ARTS 101 or ARTS 102. Lab fee.* Introduction to basic concepts of drawing, developing individual skills and providing practice in using various drawing materials. Problems are given in landscape, still-life, figure study and other subject matter.

Representational and abstract approaches are used.

Offered: Both Semesters and/or Summer

**ARTS 203 - Ceramics Handbuilding (3.0)**

*Lab fee.* A general survey of ceramic arts focusing on hand building techniques. The course incorporates information about clay, clay preparation, hand building techniques, glazing techniques and kiln technology, with emphasis on ceramic history and the overall aesthetics of the finished work.

Core: Art/Visual & Performing

Offered: Both Semesters

**ARTS 210 - Color Theory (3.0)**

*Lab fee.* Color Theory is the study of color and its resulting perceptual effects on 2D and 3D design. This course will cover the color wheel, color harmony, and the context of how colors are used. Students will focus on problem solving that promotes professional color presentation and craft.

Core: Art/Visual & Performing

Offered: Fall Semester

**ARTS 211 - Digital Photography (3.0)**

*Prerequisite:* ARTS 101. Not open to students who have completed ARTS 214. *Lab fee.* Fundamentals of the photographic medium and its possibilities for visual arts are prime considerations. The course objectives are to master basic camera operations, acquire technical and creative photographic skills and develop a working understanding of pixel-based photography in the digital darkroom. Students must supply their own digital cameras and the cost of materials.

Offered: Both Semesters

**ARTS 214 - Darkroom Photography (3.0)**

*Prerequisites:* ARTS 101. Not open to students who have completed ARTS 211. *Lab fee.* Fundamentals of the photographic medium and its possibilities for visual arts are prime considerations. The course objectives are to master basic camera operations, acquire technical and creative photographic skills and develop a working understanding of the traditional darkroom/film based photography. Students must supply their own single lens reflex cameras and the cost of materials.

Offered: Spring Semester

**ARTS 222 - Exploring Techniques in Watercolor Painting (3.0)**

*Lab fee.* An introduction to the basics of watercolor painting techniques, alongside a study of composition, sketching, color theory and 2D design. Quick exercises, and longer projects in landscape, still life, and figure paintings give students the dexterity, and confidence to take on watercolor painting. This course is meant for any student looking to explore painting. No prerequisites

Offered: Fall Semester

**ARTS 224 - Drawing II (3.0)**

*Prerequisites:* ARTS 101 and ARTS 123. *Lab fee.* A continuation of Drawing I, emphasizing a broad approach to drawing concepts. Representational and abstract approaches to a variety of subjects, including consideration of the figure.

Offered: Spring Semester

**ARTS 226 - Digital Arts (3.0)**

*Prerequisites:* ARTS 101 and ARTS 123 In this course, students will learn to create digital images as well as a web portfolio of these images. They will build on the creative experiences introduced in their design and drawing courses. Using Adobe Photoshop and other web design software, students will gain experience in freehand drawing, digital painting, collage with scanned objects and website design.

Offered: Fall Semester

**ARTS 234 - Relief Printmaking I (3.0)**

*Prerequisite:* ARTS 101. *Lab fee.* Introduction to relief methods: linocut, woodblock, collagraph and experimental techniques. Topics include mixing and manipulating inks, hand printing and use of a printing press.

Offered: Spring Semester

**ARTS 235 - Monotype Printmaking I (3.0)**

*Prerequisite:* ARTS 101. *Lab fee.* An introductory course designed to teach students monotype printmaking. Students will create prints from various matrixes including plexiglass, wood, styrofoam and collagraph plates. Topics include: mixing and manipulating inks, handprinting and use of a mechanized press. Explores color mixing, brushwork, ghost images, chine colle, and stencils.

Offered: Fall Semester

**ARTS 237 - Painting I (3.0)**

*Prerequisites:* ARTS 101. ARTS 123 is recommended but not required. *Lab fee.* Problems in figurative, objective and non-objective painting. Consideration is given to theories of color, pictorial structure and materials and techniques. Students are required to purchase their own supplies.

Offered: Spring Semester

**ARTS 243 - Ceramic Wheel (3.0)**

*Lab fee.* An introduction to methods used to create wheel-thrown pottery. Topics include wedging, centering, throwing, shaping, trimming, information about clay, slips 1 glazes, glazing techniques, kiln technology and firing theory, and an understanding of aesthetics for wheel thrown work.

Core: Art/Visual & Performing

Offered: Both Semesters

**ARTS 304 - Ceramics: Sculpture/Handbuilding (3.0)**

*Prerequisites:* ARTS 101 and ARTS 203. *Lab fee.* Through a progression of experiences, including individual sketches, exercises and projects, the student will combine the construction methods of hand building to take a sculptural direction, the characteristics of clay and glazes, the process of firing sculptural work, and an understanding of ceramic composition for the sculptural form.

Offered: Both Semesters

**ARTS 311 - Photography II (3.0)**

*Prerequisite:* ARTS 211 Digital Photography for the digital option or ARTS 214 Darkroom Photography for the darkroom option or permission of the instructor. *Lab fee.* Provides the development of artistic photography principles and creative laboratory techniques. Students have the option to select either a digital or a darkroom laboratory process to complete their portfolio. Students complete field projects that explore advanced concepts and apply them to projects demonstrating imaginative image making in the field and in the laboratory.

Offered: Fall Semester

**ARTS 312 - Photography III (3.0)**

*Prerequisites:* ARTS 311. *Lab fee.* Students complete an independent, self-motivated field project of their own choosing that explores advanced photography and laboratory concepts to be applied toward the development of a personal portfolio of fine art work. Students will continue with the same portfolio methodology (digital or darkroom) that they used in ARTS 311.

Offered: Fall Semester

**ARTS 314 - Relief Printmaking II (3.0)**

*Prerequisite:* ARTS 234. *Lab fee.* An intermediate course designed to support an in depth study of relief techniques introduced in ARTS 234. The focus will be the continued development of subject, content and composition together with the supporting technical mastery in this printmaking domain. Emphasis will be on creating multiple color editions. Students may choose to work in linoleum or woodblock.

Offered: Spring Semester



**ARTS 315 - Monotype Printmaking II (3.0)**

*Prerequisites:* ARTS 235. *Lab fee.* An intermediate course designed to support an in depth study of monotype techniques introduced in ARTS 235. The focus will be the continued development of subject, content and composition together with the supporting technical mastery in this printmaking domain. Topics to include: multiple color reductive prints, multiple color additive prints, frottage, stencils, collagraphic monotypes and heat transfers.

Offered: Fall Semester

**ARTS 316 - Selected Topics in Studio Art (3.0)**

*Prerequisites:* ARTS 101, 3 additional studio credits or permission of the instructor. An opportunity for students to study specific studio art topics not included in the regular course offerings. Topics may be selected from one or more of the following areas: drawing, painting, ceramics, sculpture, photography, printmaking. Offered at the discretion of the department.

Offered: As Needed

**ARCA 322 - Photojournalism (3.0)**

*Prerequisites:* CMA 201 or ARTS 211 or permission of the instructor. *Lab fee.* This course will introduce students to the communication field of photojournalism. Photojournalism is a very powerful tool in documenting the world around us. From community events, conflicts around the world, the political arena, high school through professional sports and the environment, photojournalists are empowered to show to their audience events that affect their daily lives.

Offered: Spring Semester (Odd Years)

**ARTS 324 - Drawing III (3.0)**

*Prerequisites:* ARTS 224 and at least 6 additional credits in studio art at or above the 200-level or permission of the instructor. *Lab fee.* Advanced study in drawing materials and techniques are explored in this course. Composition and the study of the figure will be emphasized. Focused thematic drawing problems, experimentation with drawing parameters, materials and formats, and the study of contemporary ideologies and current drawing strategies form the core of this course, orienting students to the possibilities of communication specific to the discipline of drawing, and providing a basis for the development of individual drawing projects.

Offered: Spring Semester

**ARTS 330 - Skills for Surviving in Drawing & Painting (3.0)**

*Prerequisites:* ARTS 123, ARTS 222 or ARTS 237. *Lab fee.* Students focus in painting or drawing; projects range from murals, portraits, commissioned drawing and paintings, illustration and faux finishing. Learn to function in a studio and on job site. Simulate working with clients, set up photo shoots, write contracts, learn how to get insurance, give estimates, organize individual and group projects and have an opportunity to work as a crew leader.

Offered: Spring Semester

**ARTS 334 - Advanced Printmaking (3.0)**

*Prerequisites:* ARTS 314 and/or ARTS 315 *Lab fee.* This advanced printmaking course is designed to meet the needs of students concentrating in the area of printmaking. Students will refine their printmaking aesthetic and focus on individual projects advancing their technical skills. Topics include: sculptural forms, non-traditional bookmaking and contemporary print aesthetics.

Offered: Both Semesters

**ARTS 338 - Painting II (3.0)**

*Prerequisite:* ARTS 237. *Lab fee.* Advanced problems with further reference to the development of personal expression. Content, composition, spatial relationships and color theory are stressed within a contemporary context.

Offered: Fall Semester

**ARTS 339 - Painting III (3.0)**

*Prerequisite:* ARTS 338. *Lab fee.* Individual painting projects facilitating the development of a personal idiom. Traditional as well as modern synthetic mixed media are considered as they relate to contemporary expression

Offered: Fall Semester

**ARTS 343 - Intermediate Wheel (3.0)**

*Prerequisite:* ARTS 243. *Lab fee.* Continued studies in the production of ceramic ware using the potter's wheel as a primary tool, students will acquire an understanding of the science and skills required for creating wheel-thrown pottery and develop a personal statement with their ceramic art.

Offered: Both Semesters

**ARTS 344 - Drawing IV (3.0)**

*Prerequisites:* ARTS 324 *Drawing III* or permission of the instructor. *Lab fee.* An investigation into drawing techniques. Students accomplished in the fundamentals of perceptual and nonobjective drawing will pursue projects for individual discovery and growth. Focused thematic drawing problems, experimentation with materials and formats, and the study of contemporary ideologies and current drawing strategies, providing a basis for the development of individual drawing projects.

Offered: Spring Semester

**ARTS 345 - Ceramic Sculpture (3.0)**

*Prerequisite:* ARTS 304. *Lab fee.* An in-depth study of materials, skills, procedures, and aesthetics relating to a variety of sculpture techniques in clay, and considerations for surface finishing and firing of sculptural forms.

Offered: Both Semesters

**ARTS 370 - Portfolio Creation (1.0)**

*Prerequisite:* ARTS 237, and instructor permission. *Non-Art Therapy majors are welcome with approval from the instructor.* This course provides students with the opportunity to produce a finished portfolio of artwork. To have a thriving career in visual art, a student needs to design amazing presentations of their artwork, understand what clients and viewers want and expect to see, and be able to talk confidently about their studio practice. In this course, students will not create new artwork but will select, organize, and refine existing work into traditional and digital portfolios.

Offered: Fall Semester

**ARTS 375 - Independent Study (1.0 - 3.0)**

*Prerequisites:* for theory and studio, 9 credits in art theory and studio courses or permission of the instructor. *Open to juniors and seniors with instructor's permission.* Independent study in theory and studio or art history.

Offered: Both Semesters and Summer

**ARTS 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

**ARTS 469 - The Business of Art (2.0)**

*Prerequisites: Enrollment restricted to declared studio arts majors with junior standing or permission of the instructor. Lab fee.* Covers the essentials of managing a small art business and the development of concepts in preparation for the capstone exhibition. Each artist will begin to develop their art business and visual identity, learn about taxes, record keeping, develop PR materials, document their creative process, assemble an artists' portfolio, and begin to create a body of work for their senior exhibition.

Offered: Fall Semester

**ARTS 470 - Senior Seminar (3.0)**

*Prerequisites: ARTS 469 or permission of the instructor. Lab fee.* The capstone experience for students with a concentration in studio art, this course will provide students with direction and guidance as they produce a finished portfolio of exhibition quality work. Emphasis is placed on independent production, class presentation, and critical assessment as students complete a body of work for their required professional exhibition.

Offered: Spring Semester

**ARTS 498 - Advanced Topics in Studio Art (3.0)**

*Prerequisites: ARTS 101, at least two 3 credit studio arts (ARTS) courses (one 200 level and one 300 level) in the focus of the advanced topic or with permission from the instructor.* An opportunity for students to explore upper level topics in studio arts as suggested by students' special interests and those of the faculty. Offered at the discretion of the Studio Arts program and the Department of Art and Archeology.

Offered: As Needed

## **ARTT - ART THERAPY**

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**ARTT 301 - Art Therapy I (3.0)**

*Prerequisites: ARTS 338, ARTS 304 or ARTS 343, PSY 370A, and PSY 431.* This course provides an introduction to the art therapy profession including its history and development, fundamentals of the creative process, applications in various settings, and the ethics of practice. Students are introduced to art therapy through experientials, didactic instruction, reading, writing, and their own art making for self-expression and exploration of responses. Professional skills are examined, and personal qualities.

Offered: Fall Semester

**ARTT 302 - Art Therapy II (3.0)**

*Prerequisite: ARTT 301.* This course explores the theory, approaches, techniques and applications of the art therapy profession emphasizing the relationship between fine art, art education, psychology, counseling, and art therapy. Students will examine how the art part and therapy part of art therapy interface as well as applications, theory and technique-based

approaches in relation to population, settings, mode and related professions.

Offered: Fall Semester

## **ASL - AMERICAN SIGN LANGUAGE**

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**ASL 101 - American Sign Language I (3.0)**

An introduction to the grammar and structure of American Sign Language (ASL) for students with no or limited knowledge of ASL. Immersion and interpersonal communication will be emphasized. Students learn grammar in the context of communicative activities. The course includes language laboratory and is an integral component of the course. (This course is taught in ASL only.)

Offered: Both Semesters

**ASL 102 - American Sign Language II (3.0)**

*Prerequisite: ASL 101.* A continuation of American Sign Language I, with the expansion of conversational language skills as the medium of communication will be used in this classroom. Develops receptive/expressive skills. Features additional information about the Deaf community and Deaf culture. (This course is taught in ASL only).

Offered: Spring Semester

## **BIOL - BIOLOGY**

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*A grade of "C-" or above in all prerequisite courses is required.*

**BIOL 104 - Anatomy & Physiology for Nurses I (4.0)**

*Co-requisite: CHEM 100 or CHEM 101.* This course is an introduction to the study of the structure and function of the human body. Designed for the nursing student, concepts of anatomy and physiology with an explanation of how the body is structurally organized from the chemical/cellular level through the tissue, organ, and system levels to the organism level are explored.

Offered: Fall Semester

**BIOL 110-129 - Biological Inquiry (4.0)**

*(Junior and senior biology majors cannot take a second Biology 110-129 course without permission from the Department.)* These courses promote the student's understanding and appreciation of biology, the scientific approach to problem solving and the importance of science in our society. Various topics will be offered each semester. Laboratory work is an integral part of each course.

Core: Scientific Thought-Lab

Offered: Either semester

**BIOL 111 - Secret Lives of Plants (4.0)**

This course will expand students' botanical horizons. Students will learn that plant life is central to life on earth. This course will emphasize the structure and function of plants, how they grow and develop, the relationship between photosynthesis and respiration and the diversity of photosynthesizing organisms.

Core: Scientific Thought-Lab

Offered: Spring Semester

**BIOL 112 - Biology of Food & Nutrition (4.0)**

(4 credits/3 lecture and 3 laboratory hours) (*Junior and senior biology majors cannot take a second BIOL 110-129 course without permission from the Department.*) This course will examine core concepts in biology through the lens of food. We will explore questions such as: What is food and what is it made of? How do different types of organisms obtain food? Why do organisms need food and what do they do with it after they get it? We will also study biological processes in the context of food as it relates to Homo sapiens. Topics will include nutrition, food-borne disease, food preparation and preservation.

Core: Scientific Thought-Lab

Offered: Either Semester

**BIOL 113 - Newsstand Biology (4.0)**

(*Junior and senior biology majors cannot take a second BIOL 110-129 course without permission from the Department.*) Fundamental biological concepts will be studied in readings and discussions taken from current, "popular" scientific literature. The course will convey ways in which biology touches our lives as well as the excitement of scientific discovery.

Core: Scientific Thought-Lab

Offered: Either Semester

**BIOL 114 - Biodiversity: Past Present & Future (4.0)**

(*Junior and senior biology majors cannot take a second BIOL 110-129 course without permission from the Department.*) This course explores the broad history of biological diversity, from the origins of life through the evolution of dinosaurs to the disappearance of prehistoric mammals during the last Ice Age. Current issues addressed will include the scope of present-day biological diversity, its usefulness to humans and its importance to ecosystems. The course will emphasize the causes of extinction, its possible consequences and strategies to conserve and restore biological diversity for the future.

Core: Scientific Thought-Lab

Offered: Either Semester

**BIOL 117 - This Course Will Bug You (4.0)**

(*Junior and senior biology majors cannot take a second BIOL 110-129 course without permission from the Department.*) This course is designed to introduce the student to insects as a unique life form. The student should gain an appreciation for the diversity of form and function that exists in the insect world. We will develop an understanding of insects as organisms within the ecology of the earth, investigating how insects live, studying their life cycles and understanding how insects and humans interact. Insects will be used as models to explore the fundamental biological concepts of evolution, anatomy, physiology, genetics, behavior and ecology. Special topics will include: insects as vectors of disease, forensic entomology, invasive species and controlling insect pests. All students will be required to prepare an insect collection.

Core: Scientific Thought-Lab

Offered: Either Semester

**BIOL 119 - Biology of Marine Organisms (4.0)**

(*Junior and senior biology majors cannot take a second BIOL 110-129 course without permission from the Department.*) Earth's oceans occupy over 70 percent of its surface area. This course uses the marine

environment as a basis to explore general biological ideas and concepts. Life on earth is believed to have originated in the sea, so the study of marine organisms teaches us much about all life on earth, not just that in the sea. The classification, anatomy, physiology, homeostasis and unique ecological adaptations of many marine plants and animals will be explored. Students will learn about life in estuaries, rocky intertidal areas, sandy beaches, and the open ocean. Lecture and laboratory material may be supplemented with discussion of current issues, slides, videos, literature searches and student presentations.

Core: Scientific Thought-Lab

Offered: Either Semester

**BIOL 130-149 - Biological Inquiry (3.0)**

(*Junior and senior biology majors cannot take any BIOL 130-149 course without permission from the department.*) These courses promote the student's understanding and appreciation of biology, the scientific approach to problem solving and the importance of science in our society. Various topics will be offered each semester.

Core: Scientific Thought-Non-Lab

Offered: Either semester

**BIOL 134 - The Biology of Cancer (3.0)**

(*Junior and senior biology majors cannot take a second BIOL 130-149 course without permission from the Department.*) Core concepts in biology will be examined by exploring the impact of cancer on the individual cell and the entire organism. In addition to an introductory textbook, readings and discussions will focus on how to obtain the scientific knowledge a citizen of the 21st century needs to be able to understand the human condition. Emphasis will be on cellular structure and function, energy metabolism and regulation of cell reproduction, as well as information concerning the scientific basis of some currently available treatments.

Core: Scientific Thought-Non-Lab

Offered: Either Semester

**BIOL 138 - The Human Health Mosaic (3.0)**

(*Junior and senior biology majors cannot take a second BIOL 130-149 course without permission from the Department.*) Human health and longevity are predicted by a number of factors from family history to immediate environment. This course will introduce students to basic cell biology, physiology, genetics, nutrition, evolution and ecology with a focus on human health. Throughout the course, we will focus on how to be a careful, critical reader of popular science articles concerning human health factors. Students will also explore a number of specialty topics, such as the science of cigarette addiction.

Core: Scientific Thought-Non-Lab

Offered: Either Semester

**BIOL 141 - Thinking About Thinking (3.0)**

(*Junior and senior biology majors cannot take a second BIOL 130-149 course without permission from the Department.*) The course will explore the biology of the brain from an introductory perspective, learning about the senses, muscular responses, and cognition. Topics will include vision, emotions, memory, and the neurobiological aspects of language, exploring neuroscience from the scale of components of the individual cell, to the majestic and mysterious organ now contemplating itself.

Core: Scientific Thought-Non-Lab

Offered: Either Semester

**BIOL 142 - Biotechnology: The Future is Here (3.0)**

*(Junior and senior biology majors cannot take a second BIOL 130-149 course without permission from the Department.)* This course addresses selected scientific and technological advances in biomedical research and molecular biology such as recombinant DNA technology, mammalian cell culture and protein expression. Ethical, global, legal and economic issues resulting from the biotechnological industry will be discussed.

Core: Scientific Thought-Non-Lab

Offered: Either Semester

**BIOL 201 - Evolution and Ecology (4.0)**

*Prerequisite: BIOL 110-129 course or ENSP 101 and ENSP 102 or permission of instructor* Evolution is the unifying theory of biology. This course will introduce you to the fundamental concepts of evolution, the study of changes in organisms over time and to ecology, the study of organisms and their environment. These two topics are naturally paired, as ecology is the basis of the selective pressures that lead to evolution.

Offered: Spring Semester

**BIOL 202 - Physiology of Plants & Animals (4.0)**

*Prerequisites: BIOL 110-129 or ENSP 101 and ENSP 102, and CHEM 101 (or concurrent), or permission of instructor.* A study of the wide variety of structural and functional adaptations found in members of the plant and animal kingdoms. The topics of investigation include nutrient procurement, gas exchange, internal transport, movement, development, reproduction and chemical control mechanisms. Lectures and laboratories will focus on the physiological systems of various plant divisions and animal phyla.

Offered: Fall Semester

**BIOL 203 - Introduction to Cell Biology & Genetics (4.0)**

*Prerequisites: BIOL 110-129 course or ENSP 101 and ENSP 102, and CHEM 102 (or concurrent), or permission of instructor.* A study of biological processes at the cellular and subcellular levels. What are the challenges of being a cell? The course will examine this question and study how cells have evolved to meet these challenges. Emphasis will be on the structure/function relationships of cells, on the energetic demands of cells and on the information storage and retrieval mechanisms of cells. In addition to the above topics, the laboratory portion of the course will familiarize students with modern molecular genetic techniques.

Offered: Spring Semester

**BIOL 204 - Anatomy & Physiology for Nurses II (4.0)**

*Prerequisite: BIOL 104.* This course continues with the principles and concepts of A&P I for Nurses, and expands on detailed examination of selected body systems. Cellular, tissue, organ and system levels will be explored in the classroom and lab from an anatomical and physiological perspective.

Offered: Spring Semester

**BIOL 232 - Microbiology for Nurses (4.0)**

*Prerequisite: BIOL 104.* This course emphasizes the interaction of microorganisms with people. Students will explore etiology, transmission and control of disease causing microorganisms. A laboratory experience complements classroom learning with hands-on experiments with various aspects of microbiological applications.

Offered: Spring Semester

**BIOL 307 - Intro Human Anatomy & Physiology (4.0)**

*Prerequisites: BIOL 202 and BIOL 203, or permission of the instructor.* An integrated, introductory course in anatomy and physiology emphasizing the structure and function of the human body. The structure, physiology and interrelationships of the organs and organ systems of the body are studied. Designed for students in the allied health fields.

Offered: Fall Semester

**BIOL 309 - Aquatic Ecology (4.0)**

*Prerequisite: BIOL 201 or permission of the instructor.* Concepts of ecology are elucidated using examples from freshwater, marine and estuarine systems. The course investigates the biological and ecological processes that comprise functioning aquatic systems. We will consider the workings of lakes, streams, bays, oceanic waters, rocky shores, soft-sediment bottoms, grass beds, marshes and coral reefs. Field trips will emphasize a wide variety of aquatic habitats. Case studies of resource management issues and human impacts on aquatic environments will exemplify the application of aquatic ecological concepts

Offered: As Needed

**BIOL 314 - Developmental Biology (4.0)**

*Prerequisites: BIOL 202 and BIOL 203 and CHEM 209, or permission of the instructor.* Developmental biology is an in-depth tour of the cycle of life which includes fertilization, cleavage, gastrulation, organogenesis, metamorphosis, and gametogenesis. The laboratory portion of the course will provide students with unique cellular and molecular techniques specific to the field, as well as hands-on microscopy and histology experience.

Offered: As Needed

**BIOL 316 - Genetics (4.0)**

*Prerequisites: BIOL 201 and BIOL 203 and CHEM 209 (or concurrent enrollment), or permission of the instructor.* An in-depth investigation into the mechanisms of heredity. Students will build a strong framework of knowledge in transmission genetics, including topics such as advanced Mendelian analysis, linkage and recombination, and gene and chromosome mutations. From this framework, the course will explore the foundations of molecular genetics. Topics include the biochemistry of the gene, the genetics of biochemical pathways, DNA function, control of gene expression and recombinant DNA technology and its applications. Next, the course will take a modern population genetics perspective and examine the importance of genetic variation to natural populations and the evolutionary forces that shape that variation. The course will conclude by considering the scientific context and societal implications of modern genetics through topics such as genetic screening.

Offered: Spring Semester

**BIOL 331 - Microbiology (4.0)**

*Prerequisites: BIOL 203 and CHEM 209, or permission of the instructor.* A study of the structure and function of microorganisms with emphasis on bacteria. Microbiological processes important in medical, industrial and environmental applications will be discussed.

Offered: Spring Semester

**BIOL 335 - Teaching Assistantship in Biology (2.0)**

An opportunity for qualified juniors and seniors to assist in the laboratory instruction of BIOL 110-129, BIOL 201, BIOL 202, or BIOL 203 and

other selected courses. Interested students are selected by the department. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

#### **BIOL 336 - Vertebrate Zoology (4.0)**

*Prerequisites: BIOL 201 and BIOL 202* Vertebrate Zoology explores the biological themes of unity and diversity among the vertebrates. The course emphasizes the functional morphology, ecology and evolutionary biology of the major vertebrate groups, both past and present. A conservation biology perspective on extant and recently extinct vertebrate groups highlights the interplay between organismal, population and higher levels of biological organization. The laboratory introduces theoretical and fieldwork techniques for studying vertebrates.

Offered: As Needed

#### **BIOL 337 - Invertebrate Zoology (4.0)**

*Prerequisites: BIOL 201 and BIOL 202, or permission of the instructor.*

An introduction to the biology of invertebrate animals, especially the marine forms. Emphasis will be placed on the physiology, ecology, functional morphology and evolutionary relationships of the major groups. Students will collect animals from a variety of field sites and examine them in the laboratory. The primary collecting area will be the estuary and barrier island complex near the Duke University Marine Laboratory in Beaufort, N.C.

Offered: As Needed

#### **BIOL 338 - Advanced Ecology (4.0)**

*Prerequisites: BIOL 201 and BIOL 203, or permission of instructor.* A literature-based course covering areas of current research in the design of experiments, evolutionary biology, population genetics, community ecology and ecosystem science. The course emphasizes reading and critiquing the primary scientific literature. Lectures and laboratories will stress that modern ecology and evolutionary biology are hypothesis-driven sciences, and that posing sound arguments and collecting solid supporting evidence are essential for a deeper understanding of the history of life on earth and its present day organization at levels above the individual. Students will put these ideas into practice through the laboratory component of the course as they work on two extended research projects in the field, the greenhouse or the lab.

Offered: As Needed

#### **BIOL 339 - Cell Biology (4.0)**

*Prerequisites: BIOL 203 and CHEM 209 (or concurrent enrollment), or permission of the instructor.* The study of cellular structure and function. Cellular organelles' contribution to the life of the cell are examined. Differentiated and specialized cells are used to illustrate genetic and molecular mechanisms.

Offered: Fall Semester

#### **BIOL 344 - Ornithology (4.0)**

*Prerequisites: BIOL 201 and (BIOL 202 or BIOL 203 or concurrent enrollment)* Birds are excellent subjects to study all levels of biological organization, from biochemistry and genetics through physiology to ecology and evolution. Ornithology explores the biological themes of unity and diversity among modern birds and their ancient ancestors. The course emphasizes the functional morphology, ecology, evolution, and conservation biology of birdlife. A conservation management perspective on birds will highlight proactive measures to maintain and restore bird

populations for the next Century. The laboratory introduces theoretical, empirical, and fieldwork techniques for studying birds, and emphasizes identification of birds of the Mid-Atlantic by sight and sound.

Offered: As Needed

#### **BIOL 345-349 - Field Ecology & Natural History (3.0)**

*Prerequisite: BIOL 201 or permission of the instructor.* Through travel to distant field sites, students will conduct a first-hand examination of the physical, chemical and biological characteristics and processes of a selected ecosystem. Students will be involved in intensive fieldwork, readings and discussion that will focus on interactions between the system's biota and the physical and chemical parameters unique to the geographic area under examination. Comparisons will be drawn between the ecosystem under study and temperate systems more likely to be encountered near the Hood campus.

Offered: Summer

#### **BIOL 348 - Tropical Marine Ecology (3.0)**

Through travel to distant field sites, students will conduct a first-hand examination of the physical, chemical and biological characteristics and processes of a selected ecosystem. Students will be involved in intensive fieldwork, readings and discussion that will focus on interactions between the system's biota and the physical and chemical parameters unique to the geographic area under examination. Comparisons will be drawn between the ecosystem under study and temperate systems more likely to be encountered near the Hood campus.

Offered: Summer

#### **BIOL 375 - Independent Study (1.0 - 3.0)**

Laboratory, library or field investigation of a biological problem. Selection of topic, preparation of study plan and evaluations of results are guided by means of weekly conferences with the instructor. A minimum 2.0 cumulative Grade Point Average is required. Students taking this course to satisfy the capstone requirement are required to also take the ETS Major Field Test in Biology during finals week.

Offered: Both Semesters and Summer

#### **BIOL 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

#### **BIOL 399 - Internship in Biology (3.0 - 12.0)**

*Prerequisites: 20 hours of biology, 12 hours of chemistry and permission of the department.* Individualized study and training in a cooperating laboratory conducting research in the biological sciences. Participation will include instruction and experience in the use of advanced laboratory equipment and field apparatus, and independent research and reading of related scientific literature under the guidance of a senior laboratory director. Grading is on a satisfactory/unsatisfactory basis. Students taking this course to satisfy the capstone requirement are required to also take the ETS Major Field Test in Biology during finals week.

Offered: Both Semesters and Summer

#### **BIOL 408 - Advanced Human Anatomy and Physiology (4.0)**

*Prerequisite: BIOL 307 or permission of instructor.* A continuation and extension of BIOL 307. Topics include fetal development, pregnancy and lactation, stress and exercise physiology, sensory function, endocrine

disruption, and aging. Course includes both classroom and laboratory components and is designed for biology majors and/or students in the allied health fields.

Offered: Spring Semester

### **BIOL 411 - Protein Biochemistry (3.0)**

*Prerequisites: BIOL 203 and CHEM 210, or permission of the instructor.*

A study of the structure and function of biological macromolecules, particularly proteins. Topics include acid-base equilibria, protein folding, enzyme catalysis, allosterism and protein engineering.

Cross-Listed as: Double-numbered course; offered with graduate-level BMS 511

Offered: Fall Semester

### **BIOL 412 - Biochemistry of Intermediary Metabolism (3.0)**

*Prerequisites: BIOL 203 and CHEM 210, or permission of the instructor.*

A study of the generation and storage of metabolic energy and of the structure, biosynthesis and function of nucleic acids.

Cross-Listed as: Double-numbered course; offered with graduate-level BMS 512

Offered: As Needed

### **BIOL 424 - Molecular Biology of Eukaryotic Cells (3.0)**

*Prerequisites: BIOL 316 and BIOL 339, or permission of the instructor.*

The molecular biology of gene expression in eukaryotic cells. Topics include gene mapping, diagnostic screening for genetic anomalies, molecular cloning and genetic regulatory mechanisms. Emphasis on current experimental techniques used to map genes and understand gene expression.

Cross-Listed as: Double-numbered course; offered with graduate-level BMS 524

Offered: Spring Semester

### **BIOL 425 - Virology (3.0)**

*Prerequisite: BIOL 424 or permission of the instructor.* An introduction to animal viruses with emphasis on classification, structure, the molecular biology of replication and biological activity within eukaryotic cells.

Cross-Listed as: Double-numbered course; offered with graduate-level BMS 525

Offered: Fall Semester

### **BIOL 428 - Immunology (3.0)**

*Prerequisites: BIOL 331 and BIOL 339, or permission of the instructor.*

Theories and mechanism of the immune response, including structure and function of immunoglobulins, antigen-antibody reactions, immunobiology, immunogenetics, immunologic enhancement, immunologic protection, immunologic injury, humoral and cell mediated immunity and experimental methods of analysis of antigen-antibody reactions.

Cross-Listed as: Double-numbered course; offered with graduate-level BMS 528

Offered: Fall Semester

### **BIOL 434 - Basic Principles & Methods in Molecular Genetics (3.0)**

*Prerequisite: BIOL 316 or permission of the instructor.* This integrated lab-lecture course provides basic concepts and hands-on experience with common molecular genetics and recombinant DNA methods. Topics include techniques for the isolation of DNA and RNA, gene cloning

employing plasmid vectors, DNA sequencing, polymerase chain reaction (PCR) technology, expression of fusion proteins in *E. coli*, and web-based analysis of sequence data.

Cross-Listed as: Double-numbered course; offered with graduate-level BMS 534

Offered: As Needed

### **BIOL 437 - Introduction to Bioinformatics (3.0)**

*Prerequisite: BIOL 316 or permission of the instructor* This is a hands-on, applied course that will introduce students to the use of computer software and Web servers in the analysis of biological sequence data (DNA and protein). Topics include: Pairwise and multiple sequence alignment, BLAST, scoring matrices, phylogenetic analysis, DNA sequence analysis and prediction of 2-D and 3-D molecular structures.

Cross-Listed as: Double-numbered course; offered with graduate-level BMS 537

Offered: Spring Semester

### **BIOL 451 - Plant Ecology (3.0)**

*Prerequisite: BIOL 338 or permission of the instructor.* Analyzes how environmental fluctuations impact plant populations, along with current problems in plant ecology. Topics include the vital processes of plants, the effects of environmental factors on their metabolism and energy transformations and their ability to adapt to these factors.

Cross-Listed as: Double-numbered course; offered with graduate-level ENV 551

Offered: Fall Semester (Even Years)

### **BIOL 470 - Biology Seminar (3.0)**

*Prerequisite: Open to biology majors with senior standing and a GPA of 2.0 or above in biology who have completed the three biology core classes (BIOL 201, BIOL 202 and BIOL 203) and three elective classes in biology at the 300-level or above or with permission of the department.* Advanced study in biological science. Each semester the topic will vary according to instructor and student interest. Students will apply knowledge and skills developed in prior course work and will work collaboratively to develop a grant proposal, review article, introductory biology text or other significant document. Students may use this class as the capstone or as a 3-credit elective. Students taking this course to satisfy the capstone requirement are required to also take the ETS Major Field Test in Biology during finals week.

Offered: Spring Semester

### **BIOL 498 - Special Topics in Biology (3.0)**

*Prerequisites: 16 credits in Biology or Permission of the instructor.* This course will cover a specific current topic in Biology not offered in the usual listing of electives. This course may count as an elective for the major.

Offered: As Needed

### **BIOL 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work. Students taking this course to satisfy the capstone requirement are required to also take the ETS Major Field Test in Biology during finals week.

Offered: Year Long

## MGMT - BUSINESS ADMINISTRATION

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### **MGMT 205 - Principles of Management: Introduction to Organizations (3.0)**

*Credit by exam.* The study of the characteristics of different types of organizations distinguished by purpose or structure. The implications of organizational differences for management and administration will be examined. Students will focus their study on the theoretical and empirical aspects of organizations.

Core: Social and Behavioral Analysis

Offered: Both Semesters

### **ECMG 212 - Statistics for Economics & Management (3.0)**

*Prerequisites: MATH 099 or Level II placement on Basic Math skills inventory or permission of the instructor. Not open to students who have received credit for MATH 112, MATH 112W, ECMG 212, PSY 211 or SOC 261.* This course will introduce descriptive statistics, probability, discrete and continuous distributions, correlations, and linear regressions. Completing this course will give students the solid grounding in statistics necessary to successfully complete upper-level economics and management courses.

Core: Computation/Quantitative Literacy

Offered: Spring Semester

### **MGMT 281 - Principles of Financial Accounting (3.0)**

*Credit by exam.* Basic understanding of accounting information, accounting concepts, procedures, analysis and reports. The study of accounting as a tool of economic and financial analysis.

Offered: Both Semesters

### **MGMT 284 - Principles of Managerial Accounting (3.0)**

*Prerequisite: MGMT 281. Credit by exam.* The use of accounting concepts and ideas developed in MGMT 281 underlying the presentation and analysis of financial data for decision making. The uses and limitations of such data for the analysis and control of managerial operations.

Offered: Both Semesters

### **MGMT 301 - Organizational Theory and Behavior (3.0)**

*Prerequisite: MGMT 205 or permission of the instructor.* This course introduces students to major theoretical perspectives in organizational studies. Its multidisciplinary framework includes contributions from the social sciences to the study of individuals, groups, systems and leadership. It enables students to apply theory to application and develop analytical skills to diagnose complex phenomena and recommend strategies for managerial action.

Offered: Both Semesters

### **ECMG 303 - Principles of Finance & Investment (3.0)**

*Prerequisites: MGMT 281, ECMG 212 or MATH 112, and ECON 205 or ECON 206.* Introduction to the fundamental analytical tools and use of

information sources in finance and investments. Study of time value of money, valuation of securities, risk, rates of return and cash flow analysis.

Offered: Both Semesters

### **MGMT 306 - Principles of Marketing (3.0)**

*Prerequisite: MGMT 205.* Factors involved in the marketing function relative to product development, promotion, pricing, physical distribution and the determination of marketing objectives within the framework of the marketing system and available markets.

Offered: Both Semesters

### **MGMT 307 - Personnel Management (3.0)**

*Prerequisite: MGMT 301.* Analysis of problems and techniques faced by human resource management professionals. Topics include human resource planning, training and development, recruitment, selection, performance evaluation, compensation unions, comparable worth, affirmative action and career planning.

Offered: Spring Semester

### **MGMT 312 - Analytical Methods of Management (3.0)**

*Prerequisites: MGMT 205, ECMG 212 or MATH 112, and either ECON 205 or ECON 206. Open to sophomores, juniors or seniors, or permission of the instructor.* This course introduces students to the fundamental concepts of the analytical methodology useful in the managerial decision-making process. It begins with a basic review of math, linear algebra and calculus as they are used in business. After which, it covers decision theory, business forecasting, and linear programming.

Offered: Both Semesters

### **MGMT 313 - Employment and Labor Law (3.0)**

*Prerequisites: MGMT 205, MGMT 307 (or concurrent enrollment) or the permission of the instructor.* This course provides insights into all aspects of employment and labor law, including employment planning, compensation, labor relations, and employee exit. Students gain an understanding of the rights and obligations of employers and employees and develop responsive management strategies involving employment and labor law issues.

Offered: Fall Semester

### **MGMT 314 - International Business (3.0)**

*Prerequisites: ECON 206 and MGMT 205* Introduction to the international, foreign and domestic environments affecting international businesses. Aspects of globalization as it pertains to multinational enterprises will also be covered from the perspectives of business organization, marketing, finance, and strategy.

Core: Global Perspectives

Offered: Both Semesters

### **MGMT 315 - Managing Nonprofit Organizations (3.0)**

*Prerequisite: MGMT 205 or permission of the instructor. Open to sophomores, juniors and seniors.* An introduction to the management of nonprofit organizations with special emphasis on social entrepreneurship, volunteer management and effective strategies for marketing, fund development and resource management.

Offered: Fall Semester

### **MGMT 318 - Social Entrepreneurship I (3.0)**

*Prerequisite: MGMT 205 and junior standing or permission of the instructor.* Through case studies, key readings, directed projects, and

activities, this course explores how business techniques can drive the creation of social value. Students will develop the toolkit of the social entrepreneur, covering topics of leadership, organizational setup, acquisition and management of resources, and managing complex sociocultural systems. Concepts of innovation, social capital, and sustainable enterprise will be emphasized.

Offered: Fall Semester

**MGMT 319 - Social Entrepreneurship II (3.0)**

*Prerequisite: MGMT 318 and junior standing or permission of the instructor.* Social entrepreneurship refers to the creation of innovative organizations that address social problems using business methods. In many ways, this course is a continuation of Social Entrepreneurship I as it seeks to implement the principles learned to actual organizational and community situations. The course starts with an environmental scan of the local community to understand the social and environmental needs of the community. Then, the emphasis shifts to the operational aspects of implementing projects. Special attention is given to measuring progress, understanding roadblocks to effective implementation and change management, and overcoming resistance to change. Effective implementation strategies, such as finding community partners and seeking alliances with regional and national organizations, are highlighted in this course. The international aspects of social entrepreneurship are illustrated through examples and case studies.

Offered: Spring Semester

**MGMT 321 - Intermediate Accounting I (3.0)**

*Prerequisite: MGMT 284.* The first of a two-semester course sequence to cover intermediate accounting. A study of valuation of assets and equities, measurement of income, analysis and preparation of financial statements, and use of generally accepted accounting principles.

Offered: Fall Semester

**MGMT 322 - Intermediate Accounting II (3.0)**

*Prerequisite: MGMT 321.* A continuation of the intermediate accounting two-semester sequence. A study of stockholders' equity, special liabilities, accounting changes, price changes and accounting issuances of the APB and FASB.

Offered: Spring Semester

**CAMG 330 - Social Media Marketing (3.0)**

*Prerequisites: MGMT 205.* Drawing from information systems, social science, and communications, students will explore social media trends and applications. Connections will be made to organizational objectives and strategies, including design, implementation, and assessment. Topics covered include the origins of social media, impact on news dissemination, communication styles, campaigns, crowdsourcing, conflict resolution, and impact on society.

Offered: Spring Semester

**MGMT 331 - Auditing (3.0)**

*Prerequisites: MGMT 321 and MGMT 322.* This course delivers a basic understanding of auditing function in accounting from both an internal and external perspective, but concentrating on external auditing. Included will be an analysis of why auditing is necessary and how to complete an audit in an organization.

Offered: Spring Semester

**MGMT 335 - Teaching Assistantship in Management (1.0 - 2.0)**

*Prerequisite: Permission of the Management faculty. (May be repeated for a maximum of 4 credits).* Assist with accounting, finance and management courses. The teaching assistant holds tutorials, offers review sessions and assists students with computer and quantitative projects. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**MGMT 350 - Business and Social Forces (3.0)**

*Prerequisites: MGMT 205, MGMT 301 and ECON 205.* The study of business as a social institution in the midst of a complex of communities with varying expectations and political and economic power. This perspective complements economic models of the firm and behavioral models of the organization.

Offered: Fall Semester

**MGMT 370 - Investment Practicum (1.0)**

*Prerequisite: Approval of the instructor. May be repeated for a maximum of 4 credits.* Investment Practicum is an experiential learning course in investment. The focus of this course is to give the students both a theoretical foundation and practical experience in the management of investment portfolios. *Grading is on a Satisfactory/Unsatisfactory basis.*

Offered: Both Semesters

**MGMT 375 - Independent Study (1.0 - 3.0)**

*Prerequisite: Permission of the chair of the department.* Reading and/or research in a selected field of management.

Offered: Both Semesters and Summer

**ITMG 388 - Management Information Systems (3.0)**

*Prerequisite: MGMT 301.* Study of the management decision-making framework, needs assessment, types of management information systems, selection, evaluation and implementation of systems. Social and policy issues are also considered.

Offered: Both Semesters

**MGMT 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

**CAMG 399 - Internship in Integrated Marketing Comm (3.0)**

*Prerequisites: Open to declared IMC majors; permission of co-directors required.* Practical experience in which students apply integrated marketing and communication concepts and skills in an appropriate business setting. Grading is on a satisfactory/unsatisfactory basis. Permission of IMC co-directors required. May be repeated once. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**MGMT 399 - Internship in Management (3.0)**

*Prerequisites: Completion of at least half of the Common Body of Knowledge courses and junior or senior standing.* A learning experience with an appropriate organization to provide familiarity with the management concepts, skills and attitudes required for success in a specific career. The student is responsible for developing appropriate work projects, and each must meet department guidelines and be



approved. At least 40 hours of work will be completed for each credit. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

#### **MGMT 402 - Business Finance (3.0)**

*Prerequisite:* ECMG 303. Financial management of business enterprises, with emphasis on financial problems and policies of corporations.

Offered: Fall Semester

#### **MGMT 406 - Consumer Behavior and Analysis (3.0)**

*Prerequisites:* MGMT 306. The course uses concepts, principles and theories from psychology, economics, anthropology and sociology to explore the consumer acquisition process. Marketing concepts of product positioning, segmentation, brand loyalty, preference and diffusion of innovations will be considered in context with environmental, ethical, multicultural and social influences.

Offered: Fall Semester

#### **MGMT 410 - Investment Analysis (3.0)**

*Prerequisite:* ECMG 303. Analytical techniques for appraising equity securities and short-term, intermediate-term and long-term debt instruments with a view particularly toward portfolio balance. The course will consider both the individual investor and corporate and institutional needs for cash management.

Offered: Spring Semester

#### **MGMT 411 - Seminar in Strategic Management (3.0)**

*Prerequisite:* Completion of the Common Body of Knowledge. Open to seniors only. The analysis of cases in management strategy and decision-making with emphasis on the practical application of concepts in human resource management, marketing and finance. Integrates various aspects of managerial activity in a systematic approach.

Offered: Both Semesters

#### **MGMT 423 - Marketing Research Methods (3.0)**

*Prerequisites:* MGMT 306 and MATH 112 or PSY 211 or SOC 261 or ECMG 212, and permission of the instructor. The role of research in marketing is studied; skill in applying various marketing research methods is developed through field work.

Offered: Fall Semester

#### **MGMT 424 - Marketing Communications Strategy (3.0)**

*Prerequisites:* MGMT 306 or permission of instructor. This course covers how advertising, sales promotion, public relations, personal selling, interactive marketing and packaging decisions form a coordinated strategy. Students examine the role of integrated communications and the benefits of integrating all brand elements of the marketing mix. The course also addresses programs for new media and the challenges of a changing marketing environment.

Offered: Spring Semester

#### **MGMT 432 - Advanced Accounting (3.0)**

*Prerequisites:* ECMG 303, MGMT 314, MGMT 321 and MGMT 322. This course develops an understanding of the theoretical foundation of GAAP as it relates to business combinations and consolidated financial statements. It includes advanced topics in partnership accounting, foreign currency and hedge accounting, international accounting standards, and accounting for government and non-profit organizations.

Offered: Fall Semester

#### **MGMT 433 - Cost Accounting (3.0)**

*Prerequisite:* MGMT 284. An intermediate course in accounting with emphasis on cost control. The course will include definitions and roles of budgets, forecasting, categorization of costs, inventory management, product costing and transfer pricing.

Offered: Spring Semester

#### **MGMT 434 - Federal Tax Accounting (3.0)**

*Prerequisites:* MGMT 321 and MGMT 322. The course is a study of personal and corporate tax concepts, structure, and planning. It emphasizes the rules of taxation for individuals, partnerships, and corporations. Students learn estate and gift taxation, income taxation of trusts and estates, deferred compensation, and international tax. State and local taxation are also addressed.

Offered: Fall Semester

#### **MGMT 454 - Legal Environment of Business (3.0)**

*Prerequisite:* MGMT 205 or permission of the department. This course provides an overview of the contemporary legal and regulatory business environment. Specifically, it relates various laws and regulations to major business functions such as employment, production, marketing, finance and international operations. The course also provides a brief overview of U.S. political and constitutional systems that are the building blocks of our regulatory environment.

Offered: Both Semesters

#### **ECMG 478 - International Financial Management (3.0)**

*Prerequisites:* ECON 206, ECMG 303, ECON 306 and MGMT 314. Open to juniors and seniors, or by permission of the instructor. This course introduces students to international finance and institutions. Topics covered are exchange rate determination theories, international corporate finance, international portfolio diversification models, foreign exchange risk, hedging strategies, foreign exchange options, and derivatives market.

Cross-Listed as: Double-numbered course; offered with graduate-level ECMG 578

Offered: Spring Semester

#### **ECMG 499 - Departmental Honors (3.0)**

*Prerequisite:* By invitation of the department. The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Offered Year Long

#### **MGMT 499 - Departmental Honors (6.0)**

*Prerequisite:* By invitation of the department. The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

#### **CAMG 499 - Departmental Honors (6.0)**

*Prerequisite:* By invitation of the department. The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination

with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## CHEM - CHEMISTRY

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*Students enrolling in chemistry courses must have earned a grade of "C-" or higher in each prerequisite course.*

### CHEM 100 - The Chemical World (4.0)

An introductory course designed to give the nonscience major an understanding of chemical phenomena and an appreciation of the role chemistry plays in everyday life. Course materials and laboratory activities emphasize real-world chemistry.

Core: Scientific Thought-Lab

Offered: Both Semesters

### CHEM 101 - General Chemistry I (4.0)

*Prerequisite: MATH 099 or Level 2L placement on the Basic Math Skills Inventory.* Laboratory-driven study of atomic structure, periodicity, nuclear chemistry, bonding, states of matter, thermochemistry and reaction stoichiometry. Honors section open by invitation only. Credit by exam.

Core: Scientific Thought-Lab

Offered: Fall Semester

### CHEM 102 - General Chemistry II (4.0)

*Prerequisite: CHEM 101 and MATH 099 or Level 2L placement on the Basic Math Skills Inventory.* Laboratory-driven study of solutions, acid-base and redox reactions and chemical equilibria. Honors section open by invitation only.

Core: Scientific Thought-Lab

Offered: Spring Semester

### CHEM 105 - Molecular Basis of Nutrition (3.0)

An introduction to biochemical concepts related to nutrition. Chemical properties and dietary sources of nutrients will be presented and impacts of dietary choices on health and society will be examined.

Core: Scientific Thought-Non-Lab

Offered: Fall Semester

### CHEM 209 - Organic Chemistry I (4.0)

*Prerequisite: CHEM 102.* A detailed study of the structure and reactivity of several classes of carbon-based compounds (hydrocarbons, aromatics and alkyl halides). Laboratory experiments emphasize standard organic chemistry techniques and product analysis using modern instrumentation (NMR, IR, GC, GC/MS).

Offered: Fall Semester

### CHEM 210 - Organic Chemistry II (4.0)

*Prerequisite: CHEM 209.* A continuation of Organic Chemistry I. A detailed study of the structure and reactivity of alcohols, amines and carbonyl compounds. Laboratory experiments include the collection and interpretation of proton NMR spectra and a multi-step synthesis group project.

Offered: Spring Semester

### CHEM 215 - Quantitative Analysis (4.0)

*Prerequisite: CHEM 102.* A study of principles, procedures and techniques of quantitative analysis. Laboratory work on classical and spectrophotometric methods.

Offered: Fall Semester

### CHEM 270 - Physical Science Literature (3.0)

*Prerequisites: CHEM 209.* An introduction to the literature in the physical sciences. Database searches and journal article critiques will allow students to develop an understanding of the chemical, biochemical, and physics literature, which can then be applied in their future coursework.

Cross-Listed as: Also offered as PHYS 270

Offered: Spring Semester

### CHEM 301 - Biological Chemistry I (4.0)

*Prerequisite: CHEM 210.* A study of proteins, lipids, carbohydrates and nucleic acids, with an emphasis on protein structure and function. Laboratory experience in current methods of analysis of biological molecules.

Offered: Fall Semester

### CHEM 324 - Instrumental Methods of Analysis (4.0)

*Prerequisite: CHEM 210 and CHEM 215.* Advanced topics in chemical analysis with emphasis on the principles and practice of instrumental techniques.

Offered: Spring Semester (Even Years)

### CHEM 335 - Teaching Assistantship in Chemistry (1.0 - 2.0)

*Prerequisite: Invitation of the department. (May be repeated for a maximum of 6 credits.)* An opportunity for qualified students to assist in CHEM 101, CHEM 102, CHEM 209 or CHEM 210 by tutoring students in these courses or by helping with the laboratory instruction. Assistants work under the supervision of the chemistry faculty and are selected by the department. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

### CHEM 375 - Independent Study (1.0 - 3.0)

*Prerequisites: 8 credits of 200-level coursework in chemistry, a minimum GPA of 2.20 in the discipline or permission of the department.*

Independent study, either reading or laboratory work, in a selected field of chemistry or biochemistry.

Offered: Both Semesters and Summer

### CHEM 397 - Special Topics (3.0)

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

### CHEM 399 - Internship in Chemistry (3.0 - 12.0)

*Prerequisites: 20 hours of chemistry, 8 hours of physics or biology, or permission of the department.* Individualized study and training in a cooperating laboratory or office. Instruction and experience in the use of sophisticated laboratory equipment, participation in research or other work under the guidance of a senior scientist and the reading of related scientific literature is included. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**CHEM 401 - Environmental Chemistry (3.0)**

*Prerequisites: CHEM 209 and CHEM 215 or permission of the instructor. Open to juniors and seniors who meet the qualifications for enrolling in double-numbered courses* Chemical aspects of atmospheric and hydrologic systems with a focus on air and water quality, sources of pollution, basic chemical analysis, corrective processes and hazardous materials management.

Cross-Listed as: Double-numbered course; offered with graduate-level CHEM 501

Offered: Fall Semester (Even Years)

**CHEM 402 - Biological Chemistry II (3.0)**

*Prerequisite: CHEM 301 or permission of the instructor.* A study of information transfer and genetic regulation, membranes, cell signaling and metabolic pathways.

Offered: Spring Semester

**CHEM 403 - Biological Chemistry Lab Techniques (1.0)**

*Prerequisite: Concurrent enrollment in CHEM 402 or permission of the instructor.* Laboratory experiences involving molecular techniques for separating, characterizing, detecting and analyzing nucleic acids and proteins. Modern equipment and instruments are used.

Offered: Spring Semester

**CHEM 405 - Inorganic Chemistry (3.0)**

*Prerequisite: CHEM 210 and CHEM 215. Open to juniors and seniors who meet the qualifications for enrolling in double-numbered courses.* A study of the principles of structure and bonding, chemical reactivity and periodic relationships of inorganic compounds.

Cross-Listed as: Double-numbered course; offered with graduate-level CHEM 505

Offered: Spring Semester (Odd Years)

**CHEM 410 - Advanced Organic Chemistry (3.0)**

*Prerequisite: CHEM 210. Open to juniors and seniors who meet the qualifications for enrolling in double-numbered courses.* Advanced topics in organic synthesis and structure determination. Topics vary with the general interest of the students and professor.

Cross-Listed as: Double-numbered course; offered with graduate-level CHEM 510

Offered: Spring Semester (Odd Years)

**CHEM 431 - Quantum Mechanics (3.0)**

*Prerequisites: CHEM 210, CHEM 215, MATH 202 and PHYS 102 or PHYS 204.* Introduction to quantum mechanics, atomic and molecular structure and spectroscopy.

Cross-Listed as: Also offered as PHYS 431

Offered: Fall Semester

**CHEM 432 - Thermodynamics & Statistical Mechanics (3.0)**

*Prerequisite: CHEM 431.* A continuation of CHEM 431. A study of statistical mechanics, thermodynamics, and kinetics.

Cross-Listed as: Also offered as PHYS 432

Offered: Spring Semester

**CHEM 433 - Quantum Mechanics Laboratory (1.0)**

*Prerequisite: Concurrent enrollment in CHEM 431 or permission of the instructor.* Investigation of atomic and molecular structure and spectroscopy in a series of laboratory experiments and computer-based exercises.

Cross-Listed as: Also offered as PHYS 433

Offered: Fall Semester

**CHEM 434 - Thermodynamics & Statistical Mechanics Laboratory (1.0)**

*Prerequisite: Concurrent enrollment in CHEM 432 or permission of the instructor.* Principles of statistical mechanics, thermodynamics and kinetics are investigated in a series of experiments and computer-based simulations.

Cross-Listed as: Also offered as PHYS 434

Offered: Spring Semester

**CHEM 498 - Current Topics in Chemistry (1.0 - 3.0)**

*Prerequisites: CHEM 209, CHEM 215 and permission of the instructor.* An opportunity for a group of students to explore current topics in chemistry and biochemistry as suggested by their special interests, and those of the faculty, but not included in the regular course offerings.

Offered: Either Semester

**CHEM 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## CJ - CRIMINAL JUSTICE

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**CJ 230 - Introduction to Criminal Justice (3.0)**

This course provides an introduction, overview and survey of the American criminal justice system. Emphasis will be placed on the study of such issues as discretionary decision-making in the administration of justice, community policing, domestic violence intervention and institutional responses to law.

Offered: Spring Semester

**CJ 299 - Special Topics (3.0)**

This course is a general topics course allowing faculty and students to study particular topics of interest.

Offered: As Needed

**CJ 300 - Criminalistics (3.0)**

*Prerequisite: CJ 230 and PSCI 308* An introductory, non-scientific survey course in criminalistics and the basics of forensic science. Focus will be on criminal investigations, the recognition, collection, preservation and analysis of physical evidence from the crime scene, to the crime lab, and to the courtroom.

Offered: Spring Semester (Odd Years)

**CJ 375 - Independent Study (1.0 - 3.0)**

*Prerequisites:* 12 credits in the major, and permission of the instructor. Reading and/or research in a selected area of criminal justice.

Offered: Both Semesters and Summer

**CJ 399 - Internship in Criminal Justice (3.0 - 15.0)**

*Prerequisites:* 15 credits in the major, and permission of the supervising instructor and the director of the Law and Criminal Justice program.

Participation and experience in law and society related settings through supervised full- or part-time work. Placements may be in a variety of settings such as: court systems, states attorneys' offices, prisons, law enforcement agencies, advocacy organizations or government offices. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**LWCJ 401A - Pre-Law Clinic Seminar (3.0)**

*Prerequisites:* LWPS 230, CJ 230, PSCI 308 and LW 300 and with permission of the instructor. The Pre-Law Clinic provides students with hands-on experience by conducting investigations, legal research, and preparing real cases for trial. The Clinic has a classroom seminar and collaborative investigative component.

Offered: Fall Semester

**LWCJ 401B - Pre-Law Clinic (3.0)**

*Corequisite:* LWCJ 401A. Grading is satisfactory/unsatisfactory. The Pre-Law Clinic provides students with hands-on experience by conducting investigations, legal research, and preparing real cases for trial. The Clinic has a classroom seminar and collaborative investigative component.

Offered: Fall Semester

**LWCJ 402A - Pre-Law Clinic Seminar II (3.0)**

*Prerequisites:* Completion of LWCJ 401A and LWCJ 401B and by permission of the instructor. The Pre-Law Clinic II permits students to continue their PTC client and project work through the spring semester.

Offered: Spring Semester

**LWCJ 402B - Pre-Law Clinic II (3.0)**

*Corequisite:* LWCJ 401A and LWCJ 401B and by permission of the instructor. The Pre-Law Clinic II permits students to continue their PTC client and project work through the spring semester.

Offered: Spring Semester

**CJ 470 - Sr Seminar in Criminal Justice (3.0)**

*Prerequisite:* CJ 230 This course is the capstone experience for the criminal justice focus area in the Law and Criminal Justice major. It is a topics course in which students will collectively explore a current trend or issue in criminal justice and then work individually on a research project of their choice.

Offered: Spring Semester

**LWCJ 499 - Departmental Honors (6.0)**

*Prerequisite:* By invitation of the department. The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## CL - CLASSICAL LITERATURE

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**CL 202 - Mythology (3.0)**

Survey of western mythology through different ages, with emphasis on classical myths and their influence on European art, culture and literature. Introduction to pre-Columbian mythology and its influence on Latin American art, culture and literature.

Offered: Spring Semester (Odd Years)

**CL 275 - Directed Studies in Classical Language (1.0 - 3.0)**

*Prerequisite:* Two years of high school Latin or the equivalent; and permission of instructor. Students with previous study of Latin are invited to arrange Independent Study in Latin with a qualified member of the Hood faculty. At this level, independent study in Latin focuses on completing the study of Latin grammar and reading introductory texts. Independent study does not fulfill the College's foreign language requirement.

Offered: Offered as Needed

**CL 302 - Classical Mythology (3.0)**

*Prerequisite:* Fulfillment of Literature section of the Core. Study of major works of Greek and Roman literature, their use of history and myth and their influence in the Western world.

Offered: Spring Semester (Even Years)

**CL 375 - Independent Study Classical Literature (1.0 - 3.0)**

*Prerequisite:* Three semesters of college Latin or the equivalent; and permission of instructor. Students with a strong background in Latin are invited to arrange Independent Study in Latin literature with a qualified member of the Hood faculty. At this level, independent study will focus on the Latin writings of a particular author or time period or on a particular theme or genre in Latin literature. May be taken twice.

Offered: Either Semester

**CL 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

## CMA - COMMUNICATION ARTS

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**CMA 200 - Mass Media and Society (3.0)**

Development of newspapers, magazines, radio, film and television, with emphasis on the impact of mass communication on reader, viewer and listener.

Core: Social and Behavioral Analysis

Offered: Both Semesters

**CMA 201 - Media Writing I (3.0)**

*Prerequisite:* ENGL 100 or 3 credits from ENGL 110-139. May not be taken on an audit basis. An introduction to writing for various publics using a variety of formats within the contexts of informing, persuading

and entertaining. Areas addressed include writing for print, broadcast, public relations, social media and the web.

Offered: Both Semesters

**CMA 204 - Media History (3.0)**

The history and development of mass communications in the United States, from colonial newspapers and pamphlets to recent innovations in satellite and fiber optics transmissions, with attention to the significance and effect of the media on American culture.

Core: Historical Analysis

Offered: Spring semester (Even years)

**CMA 207 - Principles of Speech Communication (3.0)**

*Prerequisite: ENGL 100, or 3 credits from ENGL 110-139.* An analysis and application of theories and techniques to communicate effectively with another person, and with small, large and massive groups in a variety of situations.

Offered: Both Semesters

**CMA 208 - Principles of Editing (3.0)**

*Prerequisite: CMA 201 or permission of the instructor. May not be taken on an audit basis. Credit by exam.* Evaluation and preparation of copy, pictures and other graphic materials for publication; page layouts; newspaper makeup. Some attention to newsletters and house organs.

Offered: Spring Semester

**CMA 209 - Mass Media and Revolution (3.0)**

Students will explore how the mass media foster, influence and are shaped by political and social revolutions from ancient times to the modern day. Students will consider how predominant press theories explain the media's role in events that include the American Revolution, the fall of the Soviet Union and Middle East protests.

Core: Global Persp & Social Behav Analysis

Offered: Spring Semester

**CMA 222 - The Art of Skepticism (3.0)**

In the digital-media age, we are vulnerable to misinformation both because of its quantity and the ease with which it can be spread. How do we know what to believe? The skill used to distinguish information is called skepticism, and developing it is the focus of this course.

Core: Social and Behavioral Analysis

Offered: Either Semester

**CMA 226 - Visual Media Production (3.0)**

*Lab fee.* Introduction to video production, including script writing, camera work, editing and sound in both field and studio situations. Includes survey of commercial and non-commercial video applications. Video screenings, written and visual projects required.

Offered: Both Semesters

**CMA 246 - Graphic Design I (3.0)**

This course is planned to provide a working knowledge of basic skills required in the graphics field including layout, design and desktop publishing. Studio problems and lectures provide diversified experiences upon which future specialization can be developed. Extensive computer use. No computer experience necessary.

Offered: Both Semesters

**CMA 260 - Media Writing II (3.0)**

*Prerequisite: CMA 201 or permission of the instructor. May not be taken on an audit basis.* A study of the basic types of feature articles; emphasis on practice in research and writing.

Offered: Fall Semester

**CMA 270 - Film Studies (3.0)**

*Prerequisite: ENGL 100. May be repeated with a different lettered course.* A study of films and their filmmakers, including techniques and genres.

Offered: Both Semesters

**CMA 270A - Alfred Hitchcock: Master of Suspense (3.0)**

*Prerequisite: ENGL 100 or 3 credits from ENGL 110-139.* Alfred Hitchcock is widely considered the greatest director of suspense films in the medium's history. This course will study Hitchcock's films within the social, political, and economic context of their time, and analyze why his films are so revered and imitated.

Core: Art/Visual & Performing

Offered: Fall Semester (Odd Years)

**CMA 270B - Reel Journalism (3.0)**

*Prerequisite: ENGL 100 or 3 credits from ENGL 110-139.* An exploration and analysis of reporters, editors, photojournalists, and broadcasters as depicted in feature narrative films made in the U.S. from the 1930s to the present, with attention to their social and political contexts.

Core: Art/Visual & Performing

Offered: Fall Semester (Even Years)

**CMA 270C - America's Great Film Comedies (3.0)**

*Prerequisite: ENGL 100 or 3 credits from ENGL 110-139.* This course examines classic American film comedy from the silent era through modern day with emphasis on slapstick, screwball, and the more social comedies of the modern era.

Core: Art/Visual & Performing

Offered: Spring Semester (Odd Years)

**CMA 280 - Screen Craft (3.0)**

*Prerequisite: ENGL 100 or 3 credits from ENGL 110-139.* Students will acquire the tools to analyze the form and content of American contemporary and classic motion pictures through an examination of the film industry, the elements of cinematography and screen writing and the criteria for critical review.

Core: Art/Visual & Performing

Offered: Both Semesters

**CMA 281 - Introduction to Screenwriting (3.0)**

*Prerequisites: CMA 280 or ART 275 or permission of the instructor.* Introduction to Screenwriting is designed to acquaint students with the process of writing fiction narrative film. The class will concentrate on story structure, scene construction, character development, and dialogue. (CW)

Offered: Spring Semester

**CMA 282 - History of American Film (3.0)**

*Prerequisites: ENGL 100 or 3 credits from ENGL 110-139.* A survey of American narrative film from the great silents through the 3D blockbusters of today. Emphasis will be placed on every major period of

American narrative film history through the 20th Century, in relation to the cultural and political history of the times in which they were made.

Core: Art/Visual & Performing

Offered: Spring Semester

**CMA 299 - Special Topics in Communication Art (1.0 - 3.0)**

An opportunity for groups of eight or more students to study topics suggested by their special interests and those of the staff and not included in the regular offerings. Topics will vary. Offered at the discretion of the Department of English.

Offered: As Needed

**CMA 302 - Visual Media Production II (3.0)**

*Prerequisites: CMA 226 or permission of the instructor. Lab fee.*

Students will advance their video production skills and knowledge while creating digital video content. Work includes producing scripted and unscripted industry video packages. Included are advanced video production skills in the context of pre-production, production and post-production processes.

Offered: Both Semesters

**CMA 303 - Advanced Reporting (3.0)**

*Prerequisite: CMA 201 or permission of the instructor.* Advanced exercises in the gathering and writing of news with emphasis on more complex forms of reporting and writing, including interpretive and investigative work. Off-campus reporting assignments will be encouraged.

Offered: Spring Semester

**CMA 304 - Multimedia Storytelling (3.0)**

*Prerequisites: CMA 201 and completion of or concurrent enrollment in CMA 226.* This course will focus on learning to report and tell stories across multiple platforms, including print, photography, video and audio. Some attention also will be paid to legal and ethical issues multimedia writers face.

Offered: Fall Semester

**CMA 305 - Communications Law (3.0)**

*Prerequisite: CMA 200 or CMA 201 or LWPS 230, or permission of the instructor.* A survey of the evolution of the laws of mass communication including journalism, advertising, broadcasting, and the varieties of intellectual property. Emphasis is on the First Amendment, application of the laws of defamation and privacy, and media regulation in the digital age.

Offered: Both Semesters

**CMA 306 - Business Writing in the Digital Age (3.0)**

*Prerequisite: ENGL 100 or 3 credits from ENGL 110-139. Sophomore standing. May not be taken on an audit basis.* This course focuses on forms of writing required in today's ever-evolving digital world, including e-mail, blogging, writing for the web and social media, as well as letters, memos and reports. Students will also write their own bio-sketches, resumes and letters of recommendation.

Offered: Both Semesters

**CMA 310 - Public Relations (3.0)**

*Prerequisite: CMA 201 or CMA 306 or permission of the instructor.* The history, theory and practice of public relations in corporate, institutional and government settings.

Offered: Both Semesters

**CMA 312 - Introduction to Communication Research (3.0)**

*Prerequisites: Completion of the Quantitative Literacy area of the Core. Completion of one or more of the following is recommended, but not required: CMA 200, CMA 310, MGMT 301, or MGMT 306.* This course will examine the basic components of communication research including logic, theories, and ethics. Topics covered include the different approaches to communication research, the essential elements of both qualitative and quantitative research, analysis and interpretation of data, and resources available.

Offered: Fall Semester

**CMA 313 - Writing for Public Relations (3.0)**

*Prerequisites: CMA 310.* This course will prepare students to become effective and persuasive public relations communicators. They will learn how to decisively communicate complex information in simple and clear prose appropriate for the intended audience. As a final project, students will assemble a comprehensive writing portfolio of all assignments.

Offered: Both Semesters

**CMA 320 - Broadcast Writing and Reporting (3.0)**

*Prerequisite: CMA 201.* This course is designed to teach students the techniques of writing, reporting and editing for the broadcast media. Topics to be covered include interviewing for broadcast, selecting and matching video and soundbites and the use and potential misuse of video and sound.

Offered: Spring Semester

**ARCA 322 - Photojournalism (3.0)**

*Prerequisites: CMA 201 or ARTS 211 or permission of the instructor. Lab fee.* This course will introduce students to the communication field of photojournalism. Photojournalism is a very powerful tool in documenting the world around us. From community events, conflicts around the world, the political arena, high school through professional sports and the environment, photojournalists are empowered to show to their audience events that affect their daily lives.

Offered: Spring Semester (Odd Years)

**CAMG 330 - Social Media Marketing (3.0)**

*Prerequisites: MGMT 205.* Drawing from information systems, social science, and communications, students will explore social media trends and applications. Connections will be made to organizational objectives and strategies, including design, implementation, and assessment. Topics covered include the origins of social media, impact on news dissemination, communication styles, campaigns, crowdsourcing, conflict resolution, and impact on society.

Offered: Spring Semester

**CMA 335 - Teaching Assistantship (1.0 - 2.0)**

*Prerequisite: Permission of the instructor. (May be repeated for a maximum of 4 credits).* Interested students are selected by the department. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**CMA 336 - Graphic Design II (3.0)**

*Prerequisite, CMA 246 or permission of the instructor. CAIT 221 does not fulfill this prerequisite. Lab fee.* This course expands on the fundamentals of design introduced in CMA 246. In addition to learning

about typography, color and composition, students will be expected to use critical thinking skills to solve fundamental design problems. Students will complete more complex projects and will be expected to demonstrate their skills at a higher level.

Offered: Fall Semester

**CMA 337 - Graphic Design III (3.0)**

*Prerequisites: CMA 336 or permission of the instructor. Lab fee.* This course will focus on creating finished professional-quality work. Students will complete a portfolio of advanced projects, including one with real clients. Emphasis will be on showcasing a unique style and demonstrating conceptual abilities. Students will research, write, edit and create their own imagery for the final project.

Offered: Spring Semester (Odd Years)

**CMA 350 - Television in America (3.0)**

*Prerequisites: Junior or senior standing and completion of the Social and Behavioral Analysis area of the Core.* An examination of the cultural, political and sociological effects of television on America. The course will offer a brief history of the development of television, and then examine such issues as television and violence; television and children; television and politics; and television and society.

Offered: Fall Semester (Odd Years)

**CMA 370 - Student Media Practicum (2.0)**

*Prerequisites: ENGL 100 and CMA 201.*

This practicum gives students an opportunity to create, edit and produce the Hood student newspaper, the Blue & Grey, and prepares them for internships and professional environments post graduation.

Offered: Every Semester

**CMA 375 - Independent Study (1.0 - 3.0)**

*Prerequisites: 12 credits in communication arts at the 200-level or above and permission of the instructor and the director. May be repeated once.* An opportunity for students to explore topics in communications not covered by coursework or to conduct projects involving communications skills

Offered: Both Semesters and Summer

**CMA 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

**CMA 399 - Internship in Communications (3.0 - 9.0)**

*Prerequisites: Open to majors and other qualified students who have completed with distinction most or all of the Communication Arts requirements. Permission of the department required. (May be repeated for a maximum of 9 credits).* Practical experience in the application of communication concepts and the utilization of communication skills in settings such as business, industry and the mass media. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**CAMG 399 - Internship in Integrated Marketing Comm (3.0)**

*Prerequisites: Open to declared IMC majors; permission of co-directors required.* Practical experience in which students apply integrated marketing and communication concepts and skills in an appropriate

business setting. Grading is on a satisfactory/unsatisfactory basis.

Permission of IMC co-directors required. May be repeated once. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**CMA 402 - Visual Media Production III (3.0)**

*Prerequisites: CMA 302 and CMA 320.* Students will further refine their video production skills and knowledge while creating near-professional-quality digital video content. Students will work in teams to produce and distribute media projects to the College community while building personal portfolios of work.

Offered: Fall Semester

**CMA 410 - Crisis Communication (3.0)**

*Prerequisites: CMA 201 and CMA 310.* This course will explore the theory, research, and practice of crisis communication. Topics covered include the life cycle of a crisis, the principles of crisis management, and strategic crisis management. This course aims to prepare the student to strategically plan, implement, and evaluate crisis communication across a variety of crises.

Offered: Fall Semester

**CMA 411 - Public Relations Campaigns (3.0)**

*Prerequisites: CMA 313 and CMA 312 or MGMT 423.* This is an advanced course in public relations. The focus of this course is on the process of public relations and includes all key elements of the process: research, planning, implementation, evaluation. Learning will be achieved through application of the process to a real organization's legitimate problem/opportunity.

Offered: Spring Semester

**CMA 470 - Seminar in Communication Ethics (3.0)**

*Prerequisite: CMA 305 and junior standing.* An examination and critical analysis of ethical issues in communications, marketing and the mass media through classroom discussions, readings, and independent research.

Cross-Listed as: Also offered as IMC 470

Offered: Both Semesters

**CAMG 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

**CMA 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## CS - COMPUTER SCIENCE

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Undergraduate students enrolling in undergraduate computer science and information technology courses must have earned a grade of “C-” or higher in each prerequisite course with a CS prefix.

### CS 100 - Applied Computing I (3.0)

*Prerequisites:* Level II placement on the Basic Math Skills inventory or MATH 099 (p. 157), or permission by instructor.

This introduction to computer science, developed by Google and their university partners, emphasizes problem solving and data analysis skills along with computer programming skills. Using Python, students learn design, implementation, testing, and analysis of algorithms and programs. Problems will be chosen from real-world examples such as graphics, image processing, cryptography, data analysis, astronomy, video games, and environmental simulation. Students get instruction from a world-class computer science professor, delivered remotely through video and interactive media, then work on collaborative projects in groups with coaching by their instructors. Prior programming experience is not a requirement for this course.

Core: Scientific Thought-Non-Lab

Offered: Fall Semester

### CS 110 - Programming Art (3.0)

*Prerequisites:* Level II placement on the Basic Math Skills Inventory or MATH 099 or permission of the instructor. An introduction to computational thinking by developing computer programs to create images, animations, visualizations, and interactive art. Topics include computational thinking, problem solving, programming in the Processing language, impact of technology on society and contemporary issues.

Core: Scientific Thought-Non-Lab

Offered: Both Semesters

### CS 112 - Introduction to Computer Music (3.0)

*Prerequisites:* Level II or higher math placement or MATH 099 or permission of the instructor. An introduction to the use of computers applied to music; using applications and developing computer programs to create, record and edit musical information. This course combines computational thinking, music theory and algorithmic composition. Topics include computational thinking, problem solving, programming in the Chuck language, impact of technology on society, and contemporary issues.

Core: Scientific Thought-Non-Lab

Offered: Spring Semester

### CS 200 - Applied Computing II (3.0)

*Prerequisite:* CS 100 (p. 127) or the equivalent introduction computer science.

This course introduces students to the importance of gathering, cleaning, normalizing, visualizing and analyzing data to drive informed decision-making, no matter the field of study. Students will learn to use a combination of tools and techniques, including spreadsheets, SQL and Python to work on real-world data sets using a combination of procedural and basic machine learning algorithms. They will also learn to ask good, exploratory questions and develop metrics to come up with a well thought-out analysis.

Offered: Spring Semester

### CS 201 - Computer Science I (4.0)

*Prerequisites:* Level III placement on the Basic Math Skills inventory or MATH 120 (may be taken concurrently). General programming techniques for students who have had some previous experience with computer programming. Topics include: algorithmic problem solving, top-down design, object-oriented programming and design, and an introduction to abstract data types. Instruction in a high-level programming language.

Offered: Both Semesters

### CS 202 - Computer Science II (4.0)

*Prerequisites:* CS 201 and MATH 207 (or concurrent enrollment) or permission of the instructor. An introduction to the structuring and manipulation of information with implementation in the high-level programming language Java. Topics include: linked lists, sets, stacks, queues and trees; basic manipulation techniques including sort/merge and search algorithms; an introduction to algorithm efficiency analysis.

Offered: Both Semesters

### CS 219 - Advanced Data Structures (3.0)

*Prerequisite:* CS 202 and MATH 207 Intensive introduction to object-oriented programming and advanced data structures. Topics include heaps, priority queues, hash tables, B+, B\* trees and graphs. Emphasizing advantages and disadvantages of design and implementation choices, and the way these choices affect software quality. Instruction will be in the C++ programming language.

Offered: Both Semesters

### CS 226 - Computer Organization and Design (3.0)

*Prerequisites:* CS 201 and MATH 207 or permission of the instructor. A comprehensive introduction to the general organization, architecture and functional characteristics of computer systems. Topics include machine level representation of data, assembly level machine organization, memory systems organization and architecture, alternative architectures and device interfaces.

Offered: Fall Semester

### CS 299 - Special Topics in Computer Science (1.0 - 3.0)

This course is a general topics course in computer science allowing faculty and students to study particular special interests.

Offered: As Needed

### CSIT 302 - Impact of Computers on Society (3.0)

*Prerequisites:* Completion of the Social and Behavioral Analysis section or Historical Analysis section or Philosophical Inquiry section of the Core or permission of the instructor. Computer technology is a driving factor in globalization. This course studies the past, present and future impact of computer and communications technology on society, education, government and the workplace around the world. Topics covered cross national, cultural, and continental boundaries.

Core: Global Perspectives

Offered: Both Semesters

### CS 319 - Algorithm Analysis (3.0)

*Prerequisites:* CS 219, MATH 201 and MATH 207 (grade of C- or higher) or permission of the instructor. Introduction to the analysis and design of algorithms. Topics include: sorting, searching, advanced tree structures, graph algorithms, network flow problems, amortized analysis,



divide-and-conquer, greedy algorithms, dynamic programming, combinatorial search algorithms, computational geometry and NP-completeness.

Offered: Spring Semester

### **CS 324 - Principles of Software Engineering (3.0)**

*Prerequisite: CS 202 or permission of the instructor.* This course will examine and discuss the life cycle of computer software. The major issues addressed are: analysis of the project, requirements specification, design, coding, testing and reliability and maintenance.

Offered: Fall Semester

### **CS 329 - Introduction to Database Management Systems (3.0)**

*Prerequisite: CS 202 permission of the instructor.* Design and implementation of databases from a real world applications point of view. The course includes database concepts such as basic architectural issues, the relational model, query processing, logical database design and normalization theory and data protection issues.

Offered: Spring Semester

### **CS 335 - Teaching Assistantship in Computing (1.0 - 2.0)**

*Prerequisite: Permission of the department.* An opportunity for students to serve as teaching assistants in the computer science program. Under faculty supervision, assistants will work with students in laboratory and help sessions for introductory courses. May be repeated for a maximum of 4 credits. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

### **CS 375 - Independent Study (1.0 - 3.0)**

*Prerequisite: Permission of the instructor.* The study of selected topics in computer science, accomplished through readings, problem assignments and projects.

Offered: Both Semesters and Summer

### **CS 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

### **CS 399 - Internship in Computer Science (3.0 - 15.0)**

*Prerequisites: 21 credits of computer science courses at the 200-level or above and permission of the department.* Supervised work in computer-related projects in a governmental, private-industrial or educational setting. In order to enroll in this course, a student must meet College internship requirements. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

### **CS 428 - Artificial Intelligence (3.0)**

*Prerequisite: Junior standing and CS 219 or permission of the instructor.* History, fundamental principles, and future directions of A.I. Topics include state-space searching, knowledge representation, logic and deduction, natural language processing, neural networks, learning, vision, robotics, and cognitive science. Topics will be treated at a level of depth and detail appropriate for a first course in AI.

Cross-Listed as: Double-numbered course; offered with graduate-level CS 528

Offered: Fall Semester

### **CS 443 - Machine Learning (3.0)**

*Prerequisites: Junior standing and CS 428 or permission of the instructor.* Introduction to the field of modeling learning with computers. Topics included are explorations of inductive learning, learning decision trees, ensemble learning, computational learning theory, and statistical learning methods.

Cross-Listed as: Double-numbered course; offered with graduate-level CS 543

Offered: Spring Semester (Even Years)

### **CS 445 - Robotics & Intelligence Systems (3.0)**

*Prerequisites: Junior standing and CS 428 or permission of the instructor* Comprehensive examination of the theory and practice behind robot-building and the deployment of intelligent systems. Topics are divided between robot architectures (control paradigms, kinematics, sensors, actuators and navigation) and cognitive robotics (learning, decision-making, coordination and cooperation).

Cross-Listed as: Double-numbered course; offered with graduate-level CS 545

Offered: Spring Semester (Odd Years)

### **CS 450 - Digital Logic and Switching Theory (3.0)**

*Prerequisite: CS 226 or permission of the instructor.* Introduction to combinational and sequential circuit design. Topics include Boolean algebra and simplification techniques, arithmetic circuits, decoders, flip-flops, counters, registers, memory systems, analog-to-digital conversion and VHDL programming.

Cross-Listed as: Double-numbered course; offered with graduate-level CS 550

Offered: Spring Semester (Even Years)

### **CS 453 - Data Communication & Network Security (3.0)**

*Prerequisites: CS 202 and CS 226 or permission of the instructor.* Foundations of networking technology and security. Signaling, signal propagation, data and bit encoding, packetization, wiring, physical and logical topologies, network architectures, protocols and layered models, network security will focus on the origin, axis and impacts of network related threats and their detection, correction and prevention.

Cross-Listed as: Double-numbered course; offered with graduate-level CS 553

Offered: Fall Semester

### **CS 461 - Computer Architecture (3.0)**

*Prerequisites: CS 226 and CS 219 or permission of the instructor.* An in-depth study of architectural concepts and principles including performance-based design tradeoffs. Topics to be covered include: instruction set design, arithmetic algorithms, hardwired and microprogrammed control, memory hierarchy design, input/output, pipelines, RISC, CISC, vector processors, parallel processors and superscalar machines.

Cross-Listed as: Double-numbered course; offered with graduate-level CS 561

Offered: Fall Semester (Odd Years)

### **CS 464 - Operating Systems (3.0)**

*Prerequisites: CS 226 and CS 219 or permission of the instructor.* Fundamental principles of operating systems. Topics include: process

management; concurrency; deadlock; CPU scheduling; memory management; disk management; files systems; security; and distributed, real-time and multiprocessor operating systems.

Cross-Listed as: Double-numbered course; offered with graduate-level CS 564

Offered: Spring Semester

#### **CS 466 - Parallel Computing (3.0)**

*Prerequisites: Junior standing and CS 219 or permission of the instructor.* A comprehensive introduction to both the principles and the practice of parallel computing. Topics to be covered include: programming and architectural models, parallel algorithms and parallelizing compilers.

Cross-Listed as: Double-numbered course; offered with graduate-level CS 566

Offered: As Needed

#### **CS 471 - Programming Languages: Their Design and Compilation (3.0)**

*Prerequisites: CS 226 and CS 219.* A survey of the major programming paradigms and their related languages, including procedural, functional, logic and object-oriented programming. Topics include: binding, exception handling, data sharing, scope, parameter passing, type checking, runtime storage management, lexical analysis, syntactic analysis, parsing, code generation and optimization.

Cross-Listed as: Double-numbered course; offered with graduate-level CS 571

Offered: Fall Semester

#### **CS 474 - Capstone Proseminar (3.0)**

*Prerequisites: CS 329 and senior standing, or permission of the instructor.* Course focuses on cultivating proficiency in technical communication, using appropriate research methods, enhancing the ability to identify computational problems, properly state research questions, critically assess scientific literature, present data and results, work in teams and improve technical writing and time management skills.

Offered: Fall Semester

#### **CS 475 - Senior Project (3.0)**

*Prerequisites: CS 324, CS 474 and senior standing, or permission of the instructor* Students majoring in computer science complete a capstone project, serving as a culmination of their studies. The project entails the development of a significant piece of software or carrying out a research study by a student team, supervised by a designated faculty member within the department and evaluated by a faculty committee.

Offered: Spring Semester

#### **CS 498 - Special Topics (3.0)**

Offered: As Needed

#### **CS 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## **ECON - ECONOMICS**

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#### **ECON 205 - Principles of Macroeconomics (3.0)**

*Credit by exam.* The theoretical principles of the economy as a whole; includes national income determination, inflation, unemployment, fiscal policy, monetary policy, and open-economy macroeconomics.

Core: Social and Behavioral Analysis

Offered: Both Semesters

#### **ECON 206 - Principles of Microeconomics (3.0)**

*Prerequisite: ECON 205. Credit by exam.* This course examines the theoretical principles that underlie the behavior of individuals, households, business enterprises and governments in the day-to-day functioning of domestic and international markets. It focuses on competitive and noncompetitive market outcomes and market failures. Issues relating to international trade, environment, and global economy are also addressed.

Offered: Both Semesters

#### **ECMG 212 - Statistics for Economics & Management (3.0)**

*Prerequisites: MATH 099 or Level II placement on Basic Math skills inventory or permission of the instructor. Not open to students who have received credit for MATH 112, MATH 112W, MATH 213, PSY 211 or SOC 261.* This course will introduce descriptive statistics, probability, discrete and continuous distributions, correlations, and linear regressions. Completing this course will give students the solid grounding in statistics necessary to successfully complete upper-level economics and management courses.

Core: Computation/Quantitative Literacy

Offered: Spring Semester

#### **ECON 299 - Special Topics (3.0)**

This course is a general topics course in economics, allowing faculty and students to study particular topics of interest.

Offered: As Needed

#### **ECMG 303 - Principles of Finance & Investment (3.0)**

*Prerequisites: MGMT 281, ECMG 212 or MATH 112, and ECON 205 or ECON 206.* Introduction to the fundamental analytical tools and use of information sources in finance and investments. Study of time value of money, valuation of securities, risk, rates of return and cash flow analysis.

Offered: Both Semesters

#### **ECON 304 - International Political Economy (3.0)**

*Prerequisites: GLBS 200 or ECON 205 or PSCI 215.* Examines the role of governments and international institutions in the flow of goods, services, and factors of production across international borders.

Offered: Either Semester (Odd Years)

#### **ECON 305 - Macroeconomic Analysis (3.0)**

*Prerequisite: ECON 205 or permission of the instructor.* The theory of Keynesian and classical income determination, interest rates, employment, consumption, investment, government expenditures and economic growth.

Offered: Fall Semester

**ECON 306 - Microeconomic Analysis (3.0)**

*Prerequisite:* ECON 206. The theory of the firm under various competitive conditions; determination of wages, interest, rent and profits. An introduction to welfare economics and general equilibrium theory.

Offered: Both Semesters

**ECON 307 - Economics and Finance of Sports (3.0)**

*Prerequisite:* ECON 206 or permission of the instructor. This course is an applied microeconomics course that explores how economic analysis can be applied to the world of sports. Topics covered include how professional sports teams and leagues act like profit-maximizing firms and the market structure, public finance of sports, the role of labor markets in sports, and non-for-profit sports (amateur sports).

Offered: As Needed

**ECON 309 - Monetary Policy & Financial Markets (3.0)**

*Prerequisites:* ECON 205 and ECON 206. ECON 305 strongly recommended. This course will offer students a good understanding of financial markets with an emphasis on the banking sector and fixed income securities. This course will cover the various theories of monetary economics and how monetary policies of the Federal Reserve will influence the financial markets and the broader macroeconomy.

Offered: Fall Semester (Even Years)

**ECON 310 - Environmental Economics (3.0)**

*Prerequisite:* ECON 206 or permission of the instructor. This course examines the relationship between economic growth and the environment. The tools of economic analysis are used to examine the relationship between economic efficiency and sustainability. The course also evaluates public policies in developed and developing countries designed to promote more sustainable development.

Offered: Fall Semester (Even Years)

**ECON 315 - Economics of the Law (3.0)**

*Prerequisites:* ECON 206. ECON 306 is recommended. This course applies economic models to analyze the economic logic of the common law in the U.S. It will focus primarily on how legal rules and court decisions affect incentives and efficiency in the areas of torts, contracts, property, and criminal law.

Offered: Spring Semester (Odd Years)

**ECON 316 - Game Theory (3.0)**

*Prerequisites:* ECON 206 or permission of the instructor. This course introduces game theory fundamentals with special emphasis on strategic behavior of individuals, firms, and governments. Topics include strategic games and Nash equilibrium, games in coalitional form and the core, bargaining theory, measuring power in voting systems, problems of fair division, and optimal and stable matching.

Offered: Fall Semester (Odd Years)

**ECON 317 - Economics of Development (3.0)**

*Prerequisite:* ECON 205 or ECON 206 or permission of the instructor. Theories of economic development and growth. Case studies of developed and less developed countries in Asia, Africa and Latin America.

Core: Global Perspectives

Offered: Fall Semester (Even Years)

**ECON 320 - The Economics of Gender (3.0)**

*Prerequisites:* ECON 205 or ECON 206 or by permission of the instructor. This course analyzes the activities of women and men in the economy. While women are the core economic producers, their work remains outside the neoclassical definition of economic activity. This class examines women's and men's economic contributions as employed workers, care providers, subsistence producers, volunteer workers, and homemakers, emphasizing feminist economics.

Core: Global Perspectives

Offered: Spring Semester (Odd Years)

**ECON 324 - International Trade (3.0)**

*Prerequisites:* ECON 205, ECON 206 and ECON 306. Open to sophomores, juniors and seniors, or permission of the instructor. This course examines the microeconomic aspects of international economics. Economic theories are used to rigorously analyze issues in international trade, distribution of gains from trade, and trade policy tools and their uses. Topics of current interest, such as free trade and welfare, trade blocks, and various development policies will also be studied.

Core: Global Perspectives

Offered: Fall Semester (Even Years)

**ECON 326 - Industrial Organization (3.0)**

*Prerequisites:* ECON 206; ECON 306 is recommended. The study of market structure, monopoly power, pricing, competition, game theory and regulation.

Offered: Spring Semester (Odd Years)

**ECON 328 - Labor Economics (3.0)**

*Prerequisites:* ECON 205 and ECON 206 or permission of instructor. Theories of wage determination, unemployment and inflation, employment trends and labor in the global economy.

Offered: Spring Semester (Even Years)

**ECON 335 - Teaching Assistantship in Economics (1.0 - 2.0)**

*Prerequisite:* Permission of the economics faculty. Assist in the introductory and principles of economics courses. The teaching assistant holds tutorials for student questions, assists in computer assignments and quantitative projects. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**ECON 375 - Independent Study (1.0 - 3.0)**

*Prerequisite:* Permission of the chair of the department. Reading and/or research in a selected field of economics.

Offered: Both Semesters and Summer

**ECON 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

**ECON 399 - Internship in Economics (3.0 - 15.0)**

*Prerequisites:* 15 credits in economics at the 200-level or above. A learning experience in a business or public environment where specific demands are made in terms of applying economic principles and analysis. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**ECON 410 - Public Economics (3.0)**

*Prerequisite:* ECON 306 and junior standing or permission of the instructor. This course applies the economic theory to public policy. Careful examination of government taxation, expenditure, and regulation at the local, state, and federal levels will be carried out with a view to how such policies may impact the public welfare.

Offered: Spring Semester (Even Years)

**ECPS 414 - Environmental Policy (3.0)**

*Prerequisites:* PSCI 203, PSCI 210 or PSCI 215 and ECON 310 or permission of the instructor. This is a comparative course on the making and implementing of environmental policies in developed and developing countries. The focus is on the evolution of environmental policymaking and on the problems associated with implementing environmental policies in different political and institutional contexts.

Cross-Listed as: Double-numbered course; offered with graduate-level ECPS 514

Offered: Spring Semester (Even Years)

**ECON 452 - History of Economic Thought (3.0)**

*Prerequisite:* ECON 305 and ECON 306 or permission of the instructor. The doctrines of the great economists: Mercantilist, physiocrat, classical and Keynesian schools of thought; the relation of economic thought to contemporary institutions.

Offered: Fall Semester

**ECON 460 - International Finance & Open Economy Macroeconomics (3.0)**

*Prerequisites:* ECON 205, ECON 206 and ECON 305. Open to sophomores, juniors and seniors, or permission of instructor. This course examines the macroeconomic aspects of international economics. Economic theories are developed to rigorously analyze the issues in balance of payments, exchange rate determination and global capital markets. Topics of current interest such as developing country debt, stabilization and economic reform will be studied.

Offered: Either Semester (Even Years)

**ECON 470 - Seminar (3.0)**

*Prerequisites:* ECON 305 and ECON 306 or permission of the instructor. Study of specific problems in economics through individual research, reports and group discussion.

Offered: Spring Semester

**ECMG 478 - International Financial Management (3.0)**

*Prerequisites:* ECON 206, ECMG 303, ECON 306 and MGMT 314. Open to juniors and seniors, or by permission of the instructor. This course introduces students to international finance and institutions. Topics covered are exchange rate determination theories, international corporate finance, international portfolio diversification models, foreign exchange risk, hedging strategies, foreign exchange options, and derivatives market.

Cross-Listed as: Double-numbered course; offered with graduate-level ECMG 578

Offered: Spring Semester

**ECON 480 - Econometrics (3.0)**

*Prerequisites:* ECON 205 and ECON 206, and ECMG 212 or MATH 112, and either ECON 305 or ECON 306. Open to sophomores, juniors and seniors, or permission of the instructor. An introduction to quantitative

analysis of economic phenomena. The course emphasizes techniques of estimating economic relationships, testing economic theories and forecasting economic variables. Attention is given to real-world applications.

Offered: Fall Semester

**ECMG 499 - Departmental Honors (6.0)**

*Prerequisite:* By invitation of the department. The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Offered Year Long

**ECON 499 - Departmental Honors (6.0)**

*Prerequisite:* By invitation of the department. The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## EDUC - EDUCATION

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*A student earning a "C-" or lower in required education courses may not continue in the teacher education programs.*

**EDUC 204 - Foundations of Education in a Diverse Society (3.0)**

A study of American education today as viewed from historical, philosophical and social perspectives. Emphasis is placed on what constitutes effective teaching and learning. A half day per week field experience in a PDS is required. This course is for students considering a major in education.

Offered: Both Semesters

**EDUC 223 - Child Development (3.0)**

*Prerequisite:* PSY 101 and sophomore standing. A study of human development from conception through adolescence. Emphasis is given to cognitive and personality/social theories of development. Includes observations in the Georgetown Hill at Hood College Lab School.

Offered: Both Semesters

**EDUC 224 - Processes and Acquisition of Literacy (3.0)**

*Prerequisite:* Not open to freshmen. This course is designed to provide teacher candidates and in-service teachers with the foundations related to literacy processes and acquisition. Effective literacy teaching begins with a deep understanding of the component processes associated with reading and writing and the ways that students develop into skilled and motivated readers and writers. The course is organized along five major themes: the component processes involved in reading and writing; the nature and structure of the English language; the ways that native English speakers and English learners differ in the ways they read and write; the developmental phases associated with learning to read and write for native English speakers and English learners; and the many factors that

influence literacy development. Where appropriate, students in this course will also explore how to assess literacy processes and acquisition.

Offered: Both Semesters

**EDUC 236 - Children & Youth with Exceptionalities (3.0)**

*Prerequisite: Sophomore standing.* A survey of the characteristics and education of students with disabilities and other special needs. Historical perspectives, legislative issues and inclusion will be considered.

Offered: Both Semesters

**EDUC 299 - Special Topics (1.0 - 3.0)**

This course is a general topics course in education, allowing faculty and students to study particular topics of interest.

Offered: As Needed

**EDUC 302 - Differentiating Instruction in the Primary Classroom (K-3) (3.0)**

*Prerequisites: Admission to Phase I.* Focuses on differentiating instruction in primary classrooms (kindergarten-grade 3). This course gives students opportunities to apply their understandings to specific populations including English language learners, students with special needs and gifted/talented students.

Offered: As needed.

**EDUC 306 - Principles of Lesson Planning (1.0)**

*Prerequisites: EDUC 204; EDUC 223; EDUC 224; EDUC 236.* To be successful in all parts of the Education Program, students are required to master the art of lesson planning. This 1-credit course will prepare students to successfully write and implement lesson plans in Phases I-III.

Offered: Fall Semester

**EDUC 308 - Student Development, Differences and Learning (3.0)**

*Prerequisite: Completion of or concurrent enrollment in PSY 101.* This course is an introduction to human growth, development, and learning through the lifespan with emphasis on physical, cognitive, and social-emotional development in the school years and particularly in adolescence. The course provides prospective Secondary Education candidates with principles of educational psychology, learning, motivation, and behavior management in shaping how students construct knowledge and understanding. Special attention is given to how diversity (cognitive/social/cultural) and context (home/school/community) influences individual differences in development and learning.

Offered: Spring Semester

**EDUC 316 - Instruction in Literacy (3.0)**

*Prerequisites: Admission to Phase I.* This course is designed to prepare teacher candidates and in-service teachers with the knowledge and skills to design and deliver effective literacy instruction for a diverse community of learners. Participants will learn how to design and deliver instruction focused on the core components of reading that lead to proficient and motivated reading behavior for all students, provide instruction focused on the core components of writing that lead to proficient and motivated writing behavior for all students, and manage speaking and listening opportunities that lead to more active, equitable and academically-oriented conversations for all students. In addition, participants will understand the role of classroom literacy instruction in a

multi-tiered system of supports and learn how to work with colleagues to provide evidence-based interventions for students who struggle as readers and writers.

Offered: Fall Semester

**EDUC 320 - Science Curriculum, Methods, Materials, and Assessment (3.0)**

*Prerequisites: Admission to Phase I.* An examination of modern science methods and materials using a constructivist-based instructional approach. Emphasis is on curricular innovations and Science-Technology-Engineering-Mathematics (STEM). Requires a field experience in a Professional Development School.

Offered: Spring Semester

**EDUC 323 - Infants and Toddlers: Foundations and Methods (3.0)**

*Prerequisites: Admission to Phase I.* This course provides the basis for understanding typical and atypical patterns of development from conception through toddlerhood. Valuing the family's role in their young child's early development is a major component of this course which explores patterns of family dynamics and keys to building partnerships through effective communication and collaboration techniques. Other major influences on development will also be explored. Course includes a 10-hour per semester course-related experience in an infant/toddler setting. The field placement is mandatory.

Offered: Fall Semester

**EDUC 324 - Theory & Practice in Early Childhood Education (3.0)**

*Prerequisites: Admission to Phase I.* A study of philosophies, theories and methods of teaching young children in a preK-3 settings. Students apply the theoretic concepts they are learning in the lecture section of this course during guided teaching in the Georgetown Hill at Hood College Lab School and in a Professional Development School.

Offered: Spring Semester

**EDUC 330 - Social Studies Curriculum, Methods, Materials, and Assessment (3.0)**

*Prerequisites: Admission to Phase I.* Current methods and materials in teaching social studies are presented. Emphasis is on the integration of social studies with language arts and other subject disciplines, including the use of Science, Technology, Engineering, and Mathematics (STEM) with critical and creative thinking skills. Requires a field experience in a Professional Development School.

Offered: Spring Semester

**EDUC 353 - Assistive Technology for Students with Disabilities (3.0)**

*Prerequisites: Admission to Phase I.* A survey of assistive technologies available for students with high and low incidence disabilities. Examination of AT legal requirements, implementation models, and realities of using technology to teach students with disabilities. Emphasis is placed upon technological accommodations and modifications across all content areas for students with mild/moderate disabilities. Requires a field experience. This course must be taken in Phase I.

Offered: Fall Semester

**EDUC 354 - Special Education: Curriculum, Methods and Materials (3.0)**

*Prerequisites: Admission to Phase I. Must be taken prior to or concurrently with EDUC 353.* A study of special education curriculum, methods, and materials used in a variety of educational settings. Instructional strategies are discussed in light of current theories and research. Topics include problem solving, remedial reading, comprehension, written expression, mathematics, science, social studies, and functional skills. Emphasis placed upon curriculum and methods for students with mild to moderate disabilities. A half day per week field experience in a professional development school is a requirement for this course. This course must be taken in Phase I.

Offered: Both Semesters

**EDUC 370 - Practicum in Reading (3.0)**

*Prerequisite: EDUC 316. Open to juniors and seniors.* Supervised work involving continuous diagnosis of disabled readers and the planning and implementation of appropriate corrective/remedial instructional programs. Each student will be placed with one graduate clinician and will work as an apprentice with that clinician assisting in planning, diagnosis, instruction and supervision for a group of students.

Offered: Summer Semester

**EDUC 373 - Assessment Diagnosis & Prescription in Special Education (3.0)**

*Prerequisites: Admission to Phase I.* A study of theoretical and practical aspects of educational evaluation of children and youth with mild/moderate disabilities in grades 1-8. Topics include standard and informal procedures for assessing psycholinguistic processes, oral or written language and academic achievement. Requires a field experience in a Professional Development School.

Offered: Spring Semester

**EDUC 375 - Independent Study (1.0 - 3.0)**

*Prerequisite: 6 credits in education. Open to juniors and seniors.* A professional investigation or project evolving from individual interests in education. The project proposal must have the approval of the instructor. Weekly conferences with the instructor.

Offered: Both Semesters and Summer

**EDUC 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

**EDUC 399 - Internship in Education (1.0 - 6.0)**

*Prerequisite: 9 credits in education.* Supervised part-time work in educational settings approved by the department. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**EDUC 400 - Phase II Internship and Seminar on Classroom Management (3.0)**

*Prerequisite: EDUC 445. Open only to students enrolled in Phase II of the secondary teacher certification program.* This seminar is taken during the first semester of the yearlong internship. In Phase II, candidates complete 1.5 days per week in a directed and evaluated teaching experience in a designated secondary PDS. In the accompanying seminar,

there is emphasis on learning about instructional and behavioral management through observation of experienced teachers and systematic reflection on experiences within the framework of the InTASC Standards.

Offered: Fall Semester

**EDUC 401 - Phase III Seminar on Becoming a Teacher (3.0)**

*Prerequisite: EDUC 400. Open only to students enrolled in Phase III of the secondary teacher certification program.* Implementation of unit and lesson plans for student learning using InTASC and content area standards. Course participants engage in a forum about professional issues for becoming a teacher and develop the Secondary Exit Folio.

Offered: Spring Semester

**EDUC 409 - Literacy in the Content Areas Part I (3.0)**

*Prerequisites: EDUC 204 and EDUC 308. Open only to students enrolled in Phase I of the secondary teacher certification program.* This course covers the features of disciplinary literacy, including examination of theory and best practices in developing content literacy for secondary students. Topics include an examination of various types of literacies, cognitive comprehension processes, complex text features, and vocabulary. Additionally, learner characteristics, equity, and student engagement, as they relate to literacy, will be emphasized. Field experience required.

Offered: Fall Semester

**EDUC 411 - Educational Methods in Student's Teaching Field (3.0)**

*Prerequisites: 18 credits in the major subject, EDUC 412, EDUC 413 and EDUC 445. Open only to students enrolled in Phase II of the secondary teacher certification program.* A study of the theories and best practices for the content areas: art, English, foreign language, history, mathematics or science in grades 7-12 (preK-12 for art and foreign language). Topics include lesson planning, multiculturalism, critical thinking, technological resources and differentiated instruction.

Offered: Fall Semester

**EDUC 412 - Literacy in the Content Areas Part II (3.0)**

*Prerequisite: EDUC 409. Open only to students enrolled in Phase I of the secondary teacher certification program.* This course develops candidates' competence with theory and best practices related to content literacy in secondary classrooms, including academic language, discourse, writing, and multimodal literacy support, and instruction. Emphasis is on creating student-centered learning environments and supporting diverse learners in all aspects of literacy. Field experience required.

Offered: Spring Semester

**EDUC 413 - Teaching and Learning in Content (3.0)**

*Prerequisites: EDUC 204 and EDUC 308. Open only to students in Phase I of the secondary teacher certification program.* This course is an introduction to principles of teaching and learning in the secondary/content classroom. Candidates study and practice effective planning to maximize student learning. Planning for differentiated learning to meet individual learning modalities, styles, and student needs is emphasized. Course culminates with student learning long-term planning project in the candidate's content area. This course includes a half day per week, course-related field experience in a designated secondary Professional Development School (PDS).

Offered: Fall Semester

**EDUC 417 - Materials for Teaching Literacy (3.0)**

*Prerequisite: Admission to Phase II.* This course is designed to assist teacher candidates and in-service teachers in selecting and evaluating materials for teaching reading, writing and related skills. Participants will explore characteristics of effective literacy programming and instruction, use evidenced-based criteria to select and organize print and multimedia resources for teaching reading and writing to all children, learn how to use a variety of print and multimedia resources to engage students as readers and writers, and examine how best to provide culturally responsive literacy instruction that promotes all students' cultural competence through inclusive and equitable literacy learning opportunities.

Offered: Fall Semester

**EDUC 419 - Teaching Internship (9.0)**

*Prerequisites: EDUC 411 and EDUC 469. Open only to students enrolled in Phase III of the secondary teacher certification program. Extra fee.* Directed and evaluated teaching experience in a designated secondary Professional Development School. There is an emphasis on discipline-specific planning, implementing and assessing instruction, maintaining diverse learning communities and a focus on academic and social outcomes.

Offered: Spring Semester

**EDUC 421 - Mathematics Curriculum, Methods, Materials, Assessment (3.0)**

*Prerequisite: Admission to Phase II.* An examination of modern mathematics materials and methods through a constructivist-based instructional approach. Curricular topics include Science-Technology-Engineering-Mathematics (STEM), mathematics as problem-solving, communication, reasoning and making connections with the learner's world.

Offered: Fall Semester

**EDUC 440 - Assessment of Literacy (3.0)**

*Prerequisite: Admission to Phase II.* This course is designed to assist teacher candidates and in-service teachers in becoming proficient consumers and users of classroom-based assessment and assessment data. Participants will explore the purposes of assessment and the types of assessment tools, learn how to administer and use valid and reliable, formal and informal assessments of literacy and related skills, examine how to effectively interpret the results of assessments, and learn how to communicate assessment results in a variety of contexts.

Offered: Fall Semester

**EDUC 445 - Secondary Instructional Assessment (3.0)**

*Prerequisites: EDUC 204 and EDUC 308. Open only to students in Phase I of the secondary teacher certification program.* A survey of theories and practice in educational assessment which prepares secondary education candidates to analyze data from school demographics and create, apply and interpret results from preassessment, formative, summative and standardized assessment instruments to improve instruction and student achievement. This course includes a half day per week, course-related field experience in a designated secondary Professional Development School (PDS).

Offered: Spring Semester

**EDUC 447 - Classroom Organization and Management (3.0)**

*Prerequisite: Admission to Phase II.* A study of classroom management techniques appropriate for the general and special education classroom. Topics include behavior modification, interaction techniques, problem solving and group management strategies.

Offered: Fall Semester

**EDUC 448A - Phase II Internship in Pre-K/Kindergarten (2.0)**

*Prerequisite: Admission to Phase II.* Supervised teaching in a pre-kindergarten or kindergarten classroom in a designated elementary PDS. The early childhood candidate will be in this placement throughout the semester two to five days per week.

Offered: Fall Semester

**EDUC 448B - Phase II Internship in Primary Grades (2.00)**

*Prerequisite: Admission to Phase II.* Supervised teaching in a primary classroom in a designated elementary PDS. The early childhood candidate will be in a grade 1-3 placement throughout the semester two to five days per week.

Offered: Fall Semester

**EDUC 448C - Phase II Internship in Elementary Grades (2.00)**

*Prerequisite: Admission to Phase II.* Supervised teaching in an elementary classroom in a designated elementary PDS. The elementary/special education candidate will be in a grade 1-5 placement throughout the semester two to five days per week.

Offered: Fall Semester

**EDUC 448D - Phase II Internship in Special Education (2.00)**

*Prerequisite: Admission to Phase II.* Supervised teaching in a special education program for students with mild/moderate disabilities in a designated elementary or middle school PDS. The elementary/special education candidate will be in this placement through the semester two to five days per week.

Offered: Fall Semester

**EDUC 449A - Phase III Internship in Elementary Grades (12.0)**

*Prerequisite: EDUC 349D; admittance to Phase III. Extra fee.* Supervised teaching in a designated elementary PDS. The elementary/special education candidate will be in a grade 1-5 placement full-time throughout the semester.

Offered: Spring Semester

**EDUC 449B - Phase III Internship in Special Education (12.0)**

*Prerequisite: EDUC 349C; admittance to Phase III. Extra fee.* Supervised teaching in a designated elementary or middle school PDS. The elementary/special education candidate will be in a special education program for students with mild/moderate disabilities full-time throughout the semester.

Offered: Spring Semester

**EDUC 450 - Introduction to Teaching Internship (1.0)**

*Prerequisite: Admission to Phase II.* A seminar taken during the first semester of the yearlong teaching internship. Early childhood and elementary/special education candidates acquire knowledge and skills to support their transition from students to teachers.

Offered: Fall Semester

**EDUC 459A - Phase III Internship in PreK/Kindergarten (12.0)**

*Prerequisite:* EDUC 349B; admission to Phase III. *Extra fee.* Supervised teaching in a designated elementary PDS. The early childhood candidate will be in a pre-K or kindergarten placement full-time throughout the semester.

Offered: Spring Semester

**EDUC 459B - Phase III Internship in Primary Grades (12.0)**

*Prerequisite:* EDUC 349A; admission to Phase III. *Extra fee.* Supervised teaching in a designated elementary PDS. The early childhood education candidate will be in a grade 1-3 placement full-time throughout the semester.

Offered: Spring Semester

**EDUC 460 - Professional Development Seminar (3.0)**

*Prerequisite:* Admission to Phase III. Taken with the final phase of the yearlong teaching internship. Candidates will analyze their roles and their development as teachers as they implement instruction and will complete the Exit Folio.

Offered: Spring Semester

**EDUC 469 - Inclusion & Instruction (3.0)**

*Prerequisites:* EDUC 412, EDUC 413 and EDUC 445. *Open only to students enrolled in Phase II of the secondary teacher certification program.* Designed to introduce students to strategies for differentiating instruction within the general education classrooms. Addressed are approaches for adapting the curriculum to meet the needs of students with identified disabilities.

Offered: Fall Semester

**EDUC 499 - Departmental Honors (6.0)**

*Prerequisite:* By invitation of the department. The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## **ENGL - ENGLISH**

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**ENGL 099 - Basic Writing Skills (2.0)**

*Prerequisite:* Level I placement on the Basic Writing Skills Inventory test. Study and practice of mechanics, grammar, sentence structure and paragraph orientation. Offered through the Academic Services Office with cooperation of the English department. Grading is S/U. Students who complete ENGL 099 successfully should register for ENGL 100 in the following semester.

Offered: Both Semesters

**ENGL 100 - Elements of Composition (4.0)**

*Prerequisites:* Permission of the department and placement on Basic Skills Inventory test. *May not be audited.* This intensive course in expository writing emphasizes the fundamentals of grammar, sentence structure and paragraph construction. Learning involves three methods of

instruction: classroom discussion, a writing laboratory, and tutorial conferences.

Core: Foundations/English

Offered: Both Semesters

**ENGL 100E - ESL Elements of Composition (4.0)**

*Prerequisites:* Permission of the department and placement on Basic Skills Inventory test. *May not be audited.* This intensive course in expository writing emphasizes the fundamentals of grammar, sentence structure and paragraph construction. Learning involves three methods of instruction: classroom discussion, a writing laboratory, and tutorial conferences.

Core: Foundations/English

Offered: Fall Semester

**ENGL 103 - English Grammar (1.0)**

*Prerequisite:* Level II, III, or IV placement on the Basic Skills Inventory test. *Open to transfer students who have completed the Composition requirement.* This one-credit course provides students with a sound knowledge of the terminology and conventions of grammar, punctuation, and syntax. It is intended for students who seek certification to teach English in primary and secondary classrooms; but any student interested in the way the English language works is encouraged to take this course.

Offered: As Needed

**ENGL 110-139 - Writing About Literature (3.0)**

*Prerequisite:* Placement on the Basic Skills Inventory test. *Open to freshmen and sophomores. May be repeated once with a different topic with the permission of the English Department Chair. Credit by exam.* An expository writing course that emphasizes reading to become a better writer. Classes will focus on close reading, and students will respond to the texts in short analytical essays. Various topics offered each semester. *May not be audited or taken without satisfactory performance on the Basic Writing Skills Inventory.*

Core: Foundations/English

Offered: Both semesters

**ENGL 136 - Writing about Literature: Humans with Insides: Some Literary Believers (3.0)**

*Prerequisite:* Placement on the Basic Skills Inventory test. *Open to freshmen and sophomores. Credit by exam.* What is our human worth? Are we moral subjects to be respected, or objects fit for manipulation? How do various writers view this bedrock ethical issue? This course will have a look. Works will include Hemingway's Hills Like White Elephants, Faulkner's A Rose for Emily, O'Connor's Guests of the Nation, and Erdrich's The Red Convertible.

Core: Foundations/English

Offered: As needed

**ENGL 138 - Writing about Literature: Literary Encounters with the Real World (3.0)**

*Prerequisite:* Placement on the Basic Skills Inventory test. *Open to freshmen and sophomores. Credit by exam.* Many British and American writers have dramatized the crucial and sometimes harrowing passage into adulthood. We'll consider how some of them have viewed this transition. Hawthorne, Frank O'Connor, Faulkner, and Louise Erdrich will be among them.

Core: Foundations/English



Offered: As needed

**ENGL 200-209 - Topics in Writing (3.0 – 4.0)**

**ENGL 202 - Topics in Writing: Intermediate Expository Writing (3.0)**

*Prerequisite: ENGL 100 or 3 credits from ENGL 110-139. May not be taken on an audit basis.* Intensive practice in the clear and effective exposition of ideas, with stress on organization and precision of word choice. Individual conferences in addition to class meetings.

Offered: Fall Semester

**ENTH 205 - Introduction to Playwriting (3.0)**

*Prerequisites: Open to students who have completed the Composition Requirement.* This class is an introduction to the art of playwriting and focused on developing a reliable process for student writers as they move from creative conception to completed dramatic script. It is designed for students with previous experience as well as those with minimal experience. All students will expand their conception of artistic possibilities by discussing the shorter plays of many significant playwrights as well as these writers' thoughts about their own processes for creation and playwriting.

Core: Art/Visual & Performing

Offered: As Needed

**ENGL 210 - Approaches to Literature (3.0)**

*Prerequisite: ENGL 100 or 3 credits from ENGL 110-139; by invitation of the department.* A team-taught introduction to literary criticism for students considering an English major. Each member of the English department faculty presents a work of literature and leads a discussion from a critical vantage point; our perspectives may include formalist, feminist, psychological, mythopoetic and new historicist analysis.

Offered: Spring Semester

**ENGL 219 - Creative Writing (3.0)**

*Prerequisite: ENGL 100 or 3 credits from ENGL 110-139; or permission of the instructor. May not be taken on an audit basis.* An introduction to various forms of creative writing, this is an intensive writers' workshop requiring active participation from all members. Individual conferences in addition to class meetings. May not be audited.

Offered: Both Semesters

**ENGL 221 - World Literature (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* A study of world literature in translation particularly relevant to our own cultural heritage. Readings are drawn from the antique, classical, medieval and early modern periods, and typically include Homer, Sophocles, Virgil, Dante, Ariosto and Cervantes. (H1, CT)

Core: Literature

Offered: Fall Semester

**ENGL 222 - British Literature through the 18th Century (3.0)**

*Prerequisite: ENGL 100 or 3 credits from ENGL 110-139.* Selected readings from the medieval period to the beginning of cultural divergence between England and America. Readings from Beowulf, Chaucer, Shakespeare, Milton, Pope, Swift, Defoe and others. (H1)

Offered: Fall Semester

**ENGL 223 - American Literature (3.0)**

*Prerequisite: ENGL 100 or ENGL 101 or 3 credits from ENGL 110-139.* An introduction to the American imagination as expressed in fiction, poetry, essays, autobiography and nature writing. May include works by Wheatley, Franklin, Hawthorne, Thoreau, Douglass, Twain, Wharton, Faulkner, Hurston, Hughes, Updike, Momaday and Brooks. (H2)

Offered: Spring Semester

**ENGL 229 - History of Drama Theatre I (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* This course will examine the history, development, literary devices, and production values of a variety of theatre and drama, from Ancient Greece and Rome to the nineteenth century. Playwrights studied may include Sophocles, Aristophanes, liturgical dramatists, commedia performers, Shakespeare, Jonson, Chikamatsu, Molière, Sheridan, Tyler and Daly. (H1, G)

Core: Literature

Offered: Fall Semester

**ENGL 230 - History of Drama and Theatre II (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* This course will examine the history, development, literary devices, and production values of a variety of theatre and drama, from nineteenth century Realism to the present day. Playwrights studied may include Ibsen, Wilde, Chekhov, O'Neill, Miller, Williams, Albee, Beckett, Pinter, Shepard, Mamet, Wilson and Kushner. (H2, G)

Core: Literature

Offered: Fall Semester (Even Years)

**ENGL 232 - (Re)Writing the Popular (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* This course explores how "literature" overlaps with "popular culture." We will consider several stories that have captured imaginations across boundaries of time and genre and examine the conventions, expectations, and possibilities of different genres and media. (CT)

Core: Literature

Offered: Spring Semester (Odd Years)

**ENGL 250-269 - Thematic Studies (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above. May be repeated with a different topic.* A study of a significant theme or subject in selected works of literature. May be repeated with different topic.

Core: Literature

Offered: Both semesters

**ENGL 250 - Thematic Studies: Avatars of the Past: Narratives of Rome & Britain (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* In this course, we will explore how "history" and "fiction" are defined, where they overlap, and where they (should) diverge. The focus will be on ancient Rome and late medieval/early modern England, as well as figures that have come to represent these societies in the modern imagination: Julius Caesar, King Richard III, and Queen Elizabeth I. (H1, CT)

Core: Literature

Offered: As needed

**ENGL 252 - Thematic Studies: The Modern Wasteland: Death & Rebirth in 20th Century English Literature (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* A study of major works of modern English literature with an emphasis on the social, psychological, and religious implications of the notion that modern life is a spiritual wasteland, a dead land calling out for rebirth. Texts may include works by Conrad, Yeats, T.S. Eliot, Joyce, Lawrence, Woolf, Forster, and Auden. (H2)

Core: Literature

Offered: As needed

**ENGL 257 - Thematic Studies: The Romantic Impulse (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* Romantic motifs in English literature of the nineteenth century. Readings will include both novels and poems. Texts may be selected from works by Scott, Bronte, Blake, Byron, and Wordsworth. (H2)

Core: Literature

Offered: As needed

**ENGL 258 - Thematic Studies: The Victorian Mind (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* A study of major themes in Victorian literature with emphasis on the impact of the industrial and scientific revolutions on society, religion, and art. Texts may include novels by Dickens or Eliot, essays by Mill, Carlyle, and Arnold, and poems by Tennyson, Browning, and Arnold. (H2)

Core: Literature

Offered: As needed

**ENGL 259 - Thematic Studies: Medieval Magic & Mysticism (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* This reading-intensive course explores how magic and mysticism were woven into the fabric of medieval society. We will consider the categories of magic, religion and science, and attempt to discover where they intersect and where they diverge. We will also look at how medieval articulations of magic survive and continue to influence the popular culture of today. (H1, CT)

Core: Literature

Offered: As needed

**ENGL 261 - Thematic Studies: American Transcendentalism & Dark Romanticism (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* A study of the major authors and themes of the American Transcendental and Anti-Transcendental or Dark Romantic movements. Texts will include essays by Emerson and Thoreau, novels and short stories by Hawthorne, Melville, and Poe, and poems by Whitman and Dickinson. (H2)

Core: Literature

Offered: As needed

**ENGL 262 - Thematic Studies: Writing on Art (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* A study of ekphrastic writing, or literature on, about, or inspired by works of art. The course will be geared toward an

interdisciplinary exploration of the relationship between literature and the visual arts. Texts will include a range of classical to contemporary works by authors such as Homer, Keats, Wilde, Woolf, Auden, and Ashbery. (H2, CT)

Core: Literature

Offered: As needed

**AFEN 265 - Thematic Studies: African American Voices before the 20th Century (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* We will study the ways in which early African-American literary traditions have been formed not only by slavery, but also by community, geography, politics, and literature itself. Works may include slave narratives of Olaudah Equiano, Frederick Douglass, Elizabeth Keckley, and Harriet Jacobs, as well as 19th century fiction by Harriet Wilson, Harriet Beecher Stowe and Charles Chesnut. (H2)

Core: Literature

Offered: Fall Semester (Even Years)

**AFEN 266 - Thematic Studies: The Harlem Renaissance and Beyond: 20th Century African-American Literature (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* This course explores the influences of blues, jazz, and spirituals; folklore; and socio-economic history on African American literature of the 20th and early 21st centuries. We'll examine how survival and resistance become art forms in the work of authors like W.E. B. DuBois, James Weldon Johnson, Zora Neale Hurston, James Baldwin, and Toni Morrison. (H2)

Core: Literature

Offered: Fall Semester (Odd Years)

**ENPL 267 - Thematic Studies: Vice and Virtue (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* Through analysis and discussion of selected works of great literature, students will examine themes of vice and virtue. Topics may include the relation between individual and community, evil, ends and means, the good life, and moral conflict. (H2, CT)

Core: Literature

Offered: As Needed

**ENGL 269 - Thematic Studies: Arthur: The Once & Future King (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* This course will focus on the legend of King Arthur, the mythical King of the Britons who (it is said) will return to help his people in their hour of need. From the earliest mentions of Arthur in the chronicles and myths of post-Roman Britain through the films, novels, and television of today, we will explore key points in the development of the Arthurian legend. (CT)

Core: Literature

Offered: As needed

**ENGL 270-289 - Genre Studies (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* May be repeated with a different topic. A study of a particular genre, such as the novel, the short story, poetry, drama or autobiography

Core: Literature

Offered: Both semesters

**ENGL 272 - Genre Studies: The Short Story (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* Students will read, discuss, and write about a wide-ranging selection of short stories, studying authorial and historical technique, point of view, voice, structure, and subject matter. (H2,G)

Core: Literature

Offered: As needed

**ENGL 273 - Genre Studies: Renaissance Drama (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* We consider plays written by contemporaries of Shakespeare and his heirs. We will study dramatic traditions (such as revenge tragedy and social comedy) and theatrical contexts in the light of Elizabethan and Jacobean culture. The playwrights include Christopher Marlowe, Ben Jonson, and John Webster. (H1,G)

Core: Literature

Offered: As needed

**ENGL 275 - Genre Studies: American Novel (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* An introduction to the development of the American novel from the late eighteenth century through the twentieth century. May include works by Rowson, Hawthorne, Melville, Harriet Wilson, James, Chopin, Cather, and Plath. (H2,G)

Core: Literature

Offered: As needed

**ENGL 277 - Genre Studies: English Renaissance Poetry (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* We explore the major poetic traditions of the late sixteenth and early seventeenth centuries. The sonnet, mythic/erotic narratives, religious lyric, and pastoral are among the many forms and conventions considered in the readings. The poets studied include Sidney, Shakespeare, Donne, Herbert, Herrick, and Marvell. (H1,G)

Core: Literature

Offered: As needed

**ENGL 278 - Genre Studies: The Woman in the Poem (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* A study of twentieth century American poetry by and about women. The class will emphasize close analysis of particular texts by poets such as Denise Levertov, Adrienne Rich, Sylvia Plath, and Anne Sexton. (H2,G)

Core: Literature

Offered: As needed

**ENGL 280 - Genre Studies: 20th Century Ethnic Narratives (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* How do we add our own stories to the palimpsest of American identity? In this course, we will explore how national and personal histories of ethnicity in the United States are handed down, revised, and contradicted in both autobiography and fiction. Authors may include John Okada, Sherman Alexie, Jamaica Kincaid, Toni Morrison, Cynthia Ozick, and others. (H2, G)

Core: Literature

Offered: As needed

**ENGL 281 - Lost and Found: Moral Challenges in Modern Fiction (3.0)**

*Prerequisite: Completion of the Composition requirement of the core with a grade of C- or above.* The course considers modern novelists who challenge their readers with moral problems. Their narratives include questions about the conscience, the soul, doubt, faith, good, evil, and even the existence of God. (H2,G)

Core: Literature

Offered: Fall (Odd Years)

**ENGL 282 - Genre Studies: Forms in Poetry (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* A study of the forms and techniques of poetry, including both critical analysis and creative practice. We will read and analyze a variety of poetic forms, including sonnets, sestinas, ballads, villanelles, prose poems, and pantoums, by modern and contemporary poets. In addition to close readings of poems, students will write original poems in various forms. (G)

Core: Literature

Offered: As needed

**ENGL 283 - Genre Studies: Modern American Poetry (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* A study of the richly various poetry produced in the United States during the first half of the twentieth century. The course will focus on modern American poets such as Robert Frost, T.S. Eliot, Ezra Pound, William Carlos Williams, Wallace Stevens, Marianne Moore, and Elizabeth Bishop. (H2,G)

Core: Literature

Offered: As needed

**ENGL 284 - Genre Studies: Medieval Romance: Audacious Knights, Daring Deeds and "Virtuous" Maidens (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* We will explore the development of the romance as a literary genre. Included in our investigation are societal influences on the texts and literary influences on society: how did authors use the genre to depict and interrogate ideals of gendered behavior in love and war? And how do these ideals continue to influence our society today? (H1, CT, G)

Core: Literature

Offered: As needed

**ENGL 285 - Genre Studies: The British Novel (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* Explores British novels as sites of ongoing experimentation and development. Moves from the genre's 18th century hybrid origins, to the romance and realist traditions of the 19th century, and into the modernist and postmodernist movements of the 20th and 21st centuries. Authors may include Swift, Sterne, Austen, Dickens, Hardy, Woolf, Ishiguro, and McEwan. (H2, G)

Core: Literature

Offered: As needed

**ENGL 286 - Genre Studies: African American Poetry (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* A study of the richly varied tradition of African American poetry from the eighteenth century to the present. The course

will focus on the work of poets from the Enlightenment and antebellum eras, the Harlem Renaissance, the Black Arts Movement, and the contemporary period. (G, H2)

Core: Literature

Offered: Spring Semester (Even Years)

**ENGL 299 - Special Topics (1.0 - 3.0)**

Offered at the discretion of the department. An opportunity for groups of eight or more students to study topics suggested by their special interests and those of the faculty and not included in the regular offerings.

Offered: As needed

**ENTH 303 - Advanced Playwriting (3.0)**

*Prerequisite: ENTH 205. May not be taken on an audit basis.* This workshop-based course is a follow-up on ENTH 205, Introduction to Playwriting. (CW)

Offered: As needed

**ENGL 313 - Shakespeare (3.0)**

*Prerequisite: Junior standing and completion of the Literary Analysis requirement or ENGL 210, ENGL 222, or ENGL 223 or permission of the instructor.* This course is an introduction to the dramatic works of Shakespeare. Although some attention is devoted to the historical moment in which he produced his plays, the primary focus is on Shakespeare's language and theater. Filmed versions of the plays will be used to supplement textual analysis. (WS)

Offered: Spring Semester

**ENGL 318 - Chaucer (3.0)**

*Prerequisite: Junior standing and completion of the Literary Analysis requirement or ENGL 210, ENGL 222, or ENGL 223 or permission of the instructor.* A study of the selected works of the medieval poet who helped start the tradition of writing poetry and prose in English. The class will focus primarily on *The Canterbury Tales*; it will also introduce students to Middle English, so that the poetry may be appreciated in Chaucer's own language. Special attention will be given to the history and culture of England during Chaucer's lifetime. (WS)

Offered: Fall Semester (Even Years)

**ENGL 319 - Creative Nonfiction (3.0)**

*Prerequisite: ENGL 219.* This workshop-based course follows ENGL 219 and involves a concentrated study of the art of creative nonfiction. Students will gain an awareness and appreciation of the elements of creative nonfiction, and in particular, the personal essay. During the workshop portion of the course, students will write and present original essays and comment on the essays of other members, both orally and in writing.

Offered: As Needed

**ENGL 326 - Intermediate Fiction Writing (3.0)**

*Prerequisites: ENGL 219.* This workshop-based course is a follow-up to English 219, the introductory creative writing course. In 326, students will study particular techniques for fiction (point of view, narrative voice, dialogue, character). Short writing and reading assignments will help students continue honing their craft. Each student will have four workshops, as well as at least two individual conferences with the instructor.

Offered: Fall Semester (Odd Years)

**ENGL 327 - Intermediate Poetry Writing (3.0)**

*Prerequisites: English 219.* This workshop-based course is a follow-up to English 219, the introductory creative writing course. In 327, students will study particular techniques for poetry (image, diction, form, line length, and line breaks). Weekly writing and reading assignments will help students continue honing their craft. Each student will have four workshops, as well as at least two individual conferences with the instructor.

Offered: Fall Semester (Odd Years)

**ENGL 335 - Teaching Assistantship in English (1.0 - 3.0)**

*Prerequisite: Permission of the department. May be repeated once.* The assistantship offers students the opportunity to refine their editing and leadership skills as they work with students in the Academic Services Center. Under the supervision of the Academic Services staff, assistants serve as teaching and tutorial aides to students seeking to improve their basic writing skills.

Offered: Either Semester

**ENGL 340-359 - Writers of Significance (3.0)**

*Prerequisites: Junior standing and completion of the Literary Analysis requirement or ENGL 210, ENGL 222 or ENGL 223; or permission of the instructor. May be repeated with different writers.* A study of one or more significant writers or a distinct school of writers.

Offered: Both semesters

**ENGL 340 - Writers of Significance: Elizabeth Bishop & Sylvia Plath (3.0)**

*Prerequisites: Junior standing and completion of the Literary Analysis requirement or ENGL 210, ENGL 222 or ENGL 223; or permission of the instructor.* An in-depth study of two prominent twentieth-century American poets, Elizabeth Bishop and Sylvia Plath. In addition to a close examination of Bishop's and Plath's poems, short stories, novels, letters, and journals, the course will use recent criticism and biographical sources to help illuminate the works in question. (WS)

Offered: Fall Semester (Odd Years)

**ENGL 342 - Writers of Significance: Jane Austen (3.0)**

*Prerequisite: Junior standing and completion of the Literary Analysis requirement or ENGL 210, ENGL 222, or ENGL 223 or permission of the instructor.* A close analysis of the art of Jane Austen, emphasizing the resources of her language and her powers of social perception. Reading will include Austen's six completed novels: *Sense and Sensibility*, *Pride and Prejudice*, *Mansfield Park*, *Emma*, *Northanger Abbey*, and *Persuasion*. (WS)

Offered: As needed

**ENGL 344 - Writers of Significance: Woolf and Forster (3.0)**

*Prerequisite: Junior standing and completion of the Literary Analysis requirement or ENGL 210, ENGL 222, or ENGL 223 or permission of the instructor.* An analysis of the lives, art, and ideas of E. M. Forster and Virginia Woolf. Texts may include Forster's *A Room with a View*, *Howard's End*, and *A Passage to India*, and Woolf's *Mrs. Dalloway*, *To the Lighthouse*, and *The Waves*. (WS)

Offered: As needed

**ENGL 346 - Writers of Significance: Erdrich, Silko, Alexie (3.0)**

*Prerequisite: Junior standing and completion of the Literary Analysis requirement or ENGL 210, ENGL 222, or ENGL 223 or permission of the*

*instructor.* A study of three of America's most influential contemporary Native American writers. The class will explore these authors' historic and cultural contexts to some degree. Readings may include Silko's Ceremony and Storyteller, Erdrich's Antelope Wife and Plague of Doves, and Alexie's Indian Killer and Flight. (CT, WS)

Offered: As needed

**ENGL 348 - Writers of Significance: Dante (3.0)**

*Prerequisites: Junior standing and completion of the Literary Analysis requirement, or ENGL 210, ENGL 222, or ENGL 223, or permission of the instructor.* Students engage in an intense analysis of the work of Dante Alighieri. Our primary focus is Dante's epic allegory, the Divine Comedy, but we will also study the Vita Nuova and passages from Dante's other works to provide a context for his masterpiece. Two writers who significantly influenced Dante (Virgil and Augustine) will also be considered. (WS)

Offered: As Needed

**ENGL 347 - Writers of Significance: Whitman & Dickinson (3.0)**

*Prerequisite: Junior standing and completion of the Literary Analysis requirement or ENGL 210, ENGL 222, or ENGL 223 or permission of the instructor.* This course is an in-depth study of the two most important poets of nineteenth-century America, Walt Whitman and Emily Dickinson. In addition to a close examination of Whitman's antebellum poetry and Civil War work and Dickinson's manuscript fascicles and letters, the course will use recent criticism and biographical sources to help illuminate the works in question. (WS)

Offered: As needed

**ENGL 364 - Exploring Utopia (3.0)**

*Prerequisites: Junior or senior standing and completion of the Literary Analysis requirement or ENGL 210, ENGL 222, or ENGL 223.* A study of utopian thought from Plato's Republic through contemporary science fiction. Texts may include St. Augustine's City of God, The Rule of St. Benedict, Campanella's City of the Sun, More's Utopia, Bellamy's Looking Backward, Gilman's Herland, Huxley's Brave New World, as well as films such as Gattaca and Minority Report. The course will also include a study of experimental utopian communities. (CT)

Cross-Listed as: Also offered as HON 364

Offered: Spring Semester (Odd Years)

**ENGL 365 - The Renaissance Amphibium (3.0)**

*Prerequisite: Junior standing and completion of the Literary Analysis requirement or ENGL 210, ENGL 222, or ENGL 223 or permission of the instructor.* As they move between two worlds—the infinite possibilities of spirit and the nightmarish limits of the physical—writers, artists and philosophers of the Renaissance offer images of what it means to be human. Those imaginings anticipate many modern assumptions and dilemmas. Readings may include Boccaccio, Erasmus, Rabelais, More, Montaigne, and Shakespeare. (H1, CT)

Offered: As Needed

**ENGL 367 - The Modern Temper (3.0)**

*Prerequisite: Junior standing and completion of the Literary Analysis requirement or ENGL 210, ENGL 222, or ENGL 223 or permission of the instructor.* A study of modern English literature and of the social and intellectual contexts that shaped that literature. The class will focus on works that reflect and continue to affect Western culture and its sense of

the modern. Texts will include selections from poetry, fiction and non-fiction by authors such as James Joyce, T. S. Eliot, W. H. Auden and Virginia Woolf. (H2,CT)

Offered: Spring Semester (Even Years)

**ENGL 368 - American Landscapes: Environmental Literature in the United States (3.0)**

*Prerequisite: Junior standing and completion of the Literary Analysis requirement or ENGL 210, ENGL 222, or ENGL 223 or permission of the instructor.* How does the American landscape function in our imagination, our policies, our lives? This reading-intensive course covers a wide range of environmental works: political, scientific, philosophical, autobiographical. Authors include Thoreau, Emerson, Aldo Leopold, Leslie Marmon Silko, Annie Dillard, Gary Snyder, Jack London, and William Faulkner. (H2, CT)

Cross-Listed as: Also offered as HON 368

Offered: Fall Semester (Odd Years)

**ENGL 375 - Independent Study (1.0 - 3.0)**

*Prerequisites: 6 credits in literature at or above the 200-level and permission of the instructor.* Independent work in English, American or world literature. Conferences.

Offered: Both Semesters and Summer

**ENGL 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

**ENGL 399 - Internship in English (3.0 - 15.0)**

*Prerequisites: 21 credits in English and permission of the department chair.* Supervised off-campus learning in an organization or institution approved by the department for an entire semester or an equivalent summer term. Grading is on a satisfactory/unsatisfactory basis

Offered: Both Semesters and Summer

**ENGL 401 - Pop Culture Theory & Practice (3.0)**

*Prerequisites: Junior or senior standing and 9 credits in literature at the 200-level or above.*

This course explores how "literature" overlaps with "popular culture." We will consider several stories that have captured imaginations across boundaries of time and genre and use cultural theory and literary criticism to examine the conventions, expectations, and possibilities of the different genres and media in which they appear. (CT)

Cross-Listed as: Double-numbered course; offered with graduate-level ENGL 501

Offered: Spring (Even Years)

**ENGL 405 - The English Language (3.0)**

*Prerequisite: Junior or senior standing.* Basic linguistic concepts and methodology as applied to the English language—its history, structure, varieties and acquisition. Special emphasis on the social aspects of English.

Offered: Fall Semester (Even Years)

**ENGL 410 - Literature for Adolescents (3.0)**

*Prerequisite: Junior or senior standing.* An overview of literature written for and about adolescents, focusing both on authors and various themes and topics, with an emphasis on contemporary material. (H2)

Offered: As Needed

**ENGL 414 - Shakespeare on Film (3.0)**

*Prerequisite: Junior or senior standing and ENGL 313 or permission of the instructor.* An examination of how directors have adapted Shakespeare's plays to the medium of film. Our work will involve close reading of six plays and analysis of 12 to 15 film versions. Each student will present a seminar paper at the end of the course. (CT)

Offered: Summer Semester (As Needed)

**ENGL 420 - Advanced Fiction Writing (3.0)**

*Prerequisite: Junior or senior standing and ENGL 219 or instructor approval.* This advanced fiction workshop intensifies and expands upon the writing and critical reading skills covered in English 219. Students will develop and refine elements in their fiction such as voice, structure, dialogue, setting, and pacing. Also useful for Curriculum and Instruction MA students who are now or will soon be teaching creative writing. (CW)

Offered: Spring Semester (Even Years)

**ENGL 421 - Advanced Poetry Writing (3.0)**

*Prerequisites: Junior or senior standing and ENGL 219 or instructor approval.* This course follows up the ENGL 219 introductory creative writing course, and is designed for those students who are serious about refining their craft. It is also geared toward those students enrolled in the M.A. program in Curriculum and Instruction who are now or will soon be teaching creative writing. A key difference between ENGL 421/521 and 219 is that this course will be devoted entirely to the writing of poetry. (CW)

Offered: Fall Semester (Even Years)

**ENGL 441 - Faulkner and Morrison (3.0)**

*Prerequisite: Junior or senior standing and instructor approval.* An in-depth study of two writers who embrace language and celebrate the human spirit. Readings may include Faulkner's *The Unvanquished*, *The Sound and the Fury*, *Light in August*, and *Absalom, Absalom!*, as well as Morrison's *The Bluest Eye*, *Sula*, *Beloved*, and *Jazz*. (WS)

Offered: As needed

**ENGL 463 - International Currents in Modern Fiction (3.0)**

*Prerequisites: Junior or senior standing or permission of the instructor.* Considers recent global fiction that transcends boundaries of nation and language. Raises questions about race, gender, religion, political allegiance, violence, memory, history, and East/West relations. Authors may include Achebe, Gordimer, Salih, Endo, Nabokov, Ishiguro, Ondaatje, Roy, Lahiri, Rushdie, and Coetzee. (H2, CT)

Cross-Listed as: Also offered as HON 463

Core: Global Perspectives

Offered: Fall Semester (Even Years)

**ENGL 470 - Seminar (3.0)**

*Prerequisites: Junior or senior standing and 9 credits in literature at the 200-level or above.* Advanced study in an area of current interest to faculty and students, including an introduction to major schools of

contemporary criticism. Juniors and seniors will explore a topic, period, author or question in literary history or theory.

Offered: Both Semesters

**ENGL 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## ENSP - ENVIRONMENTAL SCIENCE AND POLICY

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**ENSP 101 - Environmental Problems (3.0)**

An introduction to major environmental issues. Important ecological principles will be presented, and then an interdisciplinary approach will be utilized to analyze the biological, economic, social and political aspects of environmental problems. Topics of study include human population dynamics, air and water pollution, toxic wastes, food production, land use, energy and endangered species.

Core: Scientific Thought-Non-Lab

Offered: Both Semesters

**ENSP 102 - Environmental Science Laboratory (1.0)**

*Prerequisites: Concurrent enrollment or credit in ENSP 101 and permission of the program director. Priority will be given to ENSP majors or students who intend to major in ENSP.* This is a laboratory designed to introduce students to the hands-on study of environmental issues. Course material will complement that of ENSP 101, Environmental Problems. Students will investigate environmental problems through a variety of means, including experiments, observations, surveys and literature reviews. Topics covered might include human population growth, air and water pollution, energy consumption, food production, attitudes about environmental issues and biodiversity. This course is for students who are majors in or intend to major in Environmental Science and Policy.

Core: Scientific Thought-Lab

Offered: Spring Semester

**ENSP 103 - Intro to Geographic Information Systems (4.0)**

*Prerequisite: MATH 098 or Level IB placement on the Basic Math Skills Inventory or permission of the instructor.* An introduction to Geographic Information Systems for students of all disciplines. This course will provide a suite of tools for creating, manipulating, analyzing, visualizing, and illustrating spatial data. Concepts presented in lecture will be put into practice through hands-on laboratory exercises utilizing appropriate GIS software. The culmination of the course is the presentation of discipline-specific original research projects employing the methods learned.

Core: Computation/Quantitative Literacy

Offered: Spring Semester

**ENSP 110 - Environmental Science II (3.0)**

*Prerequisites: None.* Study of resource use, abuse, and overuse and its impact on the functioning of the atmosphere, hydrosphere, geosphere, and biosphere. Investigates economic, legal, and policy perspectives from social and historical viewpoints for achieving sustainable human societies.

Core: Scientific Thought Non-Lab

Offered: Spring Semester

**ENSP 210 - Coastal Oceanography (4.0)**

*Prerequisite: A 100-level lab science course.* This lecture and laboratory course will explore the physics, chemistry, biology and geology of coastal oceans. Such topics as plate tectonics, shoreline geology, seawater chemistry, ocean circulation and sedimentology will be considered in relation to the use and management of coastal resources. Life in the oceans will be investigated, highlighting coastal marine communities, primary production and the use of living marine resources. The course will emphasize laboratory and field investigations that will take place at selected sites along the eastern seaboard of the United States. This course is offered as part of the Coastal Studies Semester.

Offered: Fall Semester

**ENSP 212 - Coastal Community Ecology (4.0)**

*Prerequisites: ENSP 101 and ENSP 102, or a 100-level lab science course.* In this course you will study the structure and function of Atlantic coastal communities from South Florida to the Chesapeake Bay. The course investigates adjacent aquatic and terrestrial ecosystems and the natural linkages that connect them as large-scale hydrospheres. Case studies of resource management issues and human impacts on these communities and their individual populations will be used to exemplify basic ecological concepts. This course emphasizes laboratory and field investigations that will take place at selected sites along the eastern seaboard of the United States as part of the Coastal Studies Semester.

Offered: Fall Semester

**ENSP 299 - Special Topics: Environmental Science & Policy (4.0)**

*Prerequisites: ENSP 101 or concurrent enrollment in ENSP 212 and ENSP 210 or permission of instructor.* This course addresses topics of special interest in the field of environmental science and policy. Faculty and students will explore a specific issue through readings, lectures, discussion, fieldwork and laboratory activities. The course has both lecture and laboratory/field components.

Offered: As needed

**ENSP 300 - Environmental Geoscience (4.0)**

*Prerequisites: ENSP 101 and ENSP-102 or permission of instructor.* This course investigates earth processes and their effects on or control of the natural and anthropogenic surroundings. The course elaborates on many of the topics of physical geology including natural and human-induced geologic hazards such as: earthquakes, volcanoes, landslides, and land subsidence; as well as environmental issues such as disposal and management of solid, chemical, and radioactive waste, acid mine drainage, and the environmental impact of mineral extraction and water resource utilization.

Offered: Fall Semester (As Needed)

**ENSP 307 - The Chesapeake Bay: Human Impact on a Natural System (3.0)**

*Prerequisite: Concurrent enrollment in ENSP 210 and ENSP 212 or permission of instructor.* The natural history of the Chesapeake Bay region will be examined in the context of society's exploitation of a natural system. Scientific topics will be combined with historical, sociological, and economic perspectives to form a coherent portrait of the interplay between society and the environment.

Cross-Listed as: Also offered as HON 307

Offered: As Needed

**ENSP 370 - Coastal Studies Practicum (2.0)**

*Prerequisites: Concurrent enrollment in ENSP 212 and ENSP 210 or permission of instructor.* The origins and answers to coastal environmental problems are found by studying the interplay among science, technology, society, and culture of the region. Working as a team, students will work collaboratively to define a coastal issue facing mid-Atlantic communities. Past topics include the sources and impact of untreated sewage effluent, the effects of marine debris on public beaches, and the importance of abandoned fishing gear. They will design a multidisciplinary study that addresses that issue from several perspectives. Working in teams, students will collect information, synthesize the material and provide their results and interpretations in both a written report and oral presentation. This course is offered as part of the Coastal Studies Semester.

Offered: Fall Semester

**ENSP 375 - Independent Study (1.0 - 3.0)**

Laboratory, library or field investigation of an environmental problem. Selection of topic, preparation of research plan and evaluation of results are guided by means of weekly conferences with the instructor.

Offered: Both Semesters and Summer

**ENSP 380 - Coastal Studies Field Experience (3.0)**

*Prerequisites: ENSP 210, ENSP 212, or permission of instructor.* Through travel to distant field sites, students will be immersed in the environmental issues of a particular coastal location. Environmental topics will be studied within the framework of the natural, historical, social, and cultural milieu found in the locale visited. Students will be involved in fieldwork, readings and discussions with local constituencies to develop a holistic view of the development, impacts and possible avenues of resolution for contemporary coastal environmental issues. This course is offered as part of the Coastal Studies minor.

Offered: Fall Semester

**ENSP 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

**ENSP 399 - Internship (3.0 - 15.0)**

Students work at off-campus sites with environmentally concerned government agencies; legislators; or nongovernmental organizations at local, state, regional and national levels. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**ENSP 400 - Watershed Hydrology (3.0)**

*Prerequisites: ENSP 300 or permission of instructor* This course will provide a qualitative and quantitative understanding of concepts and physical principles governing the occurrence, distribution, and circulation of water near the Earth's surface. Managing human impacts on watersheds and water resources and understanding the interrelationships among land-use, soil, and water will be addressed. Human uses of and impacts on water will be examined with an emphasis on principles of water resource and watershed planning.

Offered: Fall semester (As needed)

**ENSP 403 - Pollution Biology (3.0)**

*Prerequisites: Junior standing, ENSP 101, ENSP 102 and one 300-level BIOL course for undergraduates.* Examines sources, fates and biological effects of environmental pollutants. Topics covered include: air, water and soil pollution; techniques for monitoring and evaluating pollution effects; and pollution control technologies. Factors leading to global climate change will be examined in depth. The social, economic, and political issues surrounding pollution problems are all examined.

Cross-Listed as: Double-numbered course; offered with graduate-level ENV 503

Offered: Spring Semester

**ENSP 407 - Natural Resource Management (3.0)**

*Prerequisites: ENSP 101, ENSP 102, BIOL 201 and one 300-level BIOL course or permission of the instructor.* Introduces students to the basic biological and ecological principles of natural resource management and the complexities of applying these principles to real-world problems. Quantitative and qualitative techniques are used to analyze ecosystems in an integrated fashion that combines biological, economic and political considerations. The impact of climate change on management plans is also considered

Cross-Listed as: Double-numbered course; offered with graduate-level ENV 507

Offered: Spring Semester

**ENSP 411 - Conservation Biology (3.0)**

*Prerequisites: A grade of C or better in BIOL 338 or permission of the instructor.* Examines the critical problems of maintaining, enhancing and restoring biological diversity. Principles of ecology, population biology, genetics and modeling are applied to the conservation of rare species and endangered ecosystems. Topics include international trade in wildlife, ethnobotany, ecological restoration, conservation ethics, natural resource economics, conservation genetics and ecotourism.

Cross-Listed as: Double-numbered course; offered with graduate-level ENV 511

Offered: Spring Semester (Odd Years)

**ENSP 470 - Seminar: Environmental Impact Analysis (3.0)**

*Prerequisite: Senior major status, or permission of the instructor.* This multi-disciplinary course introduces advanced students to the natural and social science methodologies used when preparing environmental impact assessments. Students will then apply those techniques in the analysis of a contemporary environmental situation. They will analyze and interpret scientific, economic, social and political data, and collaboratively develop and evaluate alternative courses of action. Finally, they will make a formal presentation of the seminar's findings to a knowledgeable audience.

Offered: Fall Semester

**ENSP 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## **FL - FOREIGN LITERATURE**

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**FL 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

## **FREN - FRENCH**

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*All courses are conducted in French. Students must earn a grade of "C" or better in the previous course in order to enroll in any 200-level course.*

**FREN 101 - Elementary French I (4.0)**

Development of the basic language skills: listening, speaking, reading and writing. Special emphasis on aural-oral proficiency.

Core: Foundations/Foreign Language

Offered: Fall Semester

**FREN 102 - Elementary French II (4.0)**

*Prerequisite: FREN 101 or permission of the department chair. Credit by exam.* Continuation of 101.

Core: Foundations/Foreign Language

Offered: Spring Semester

**FREN 105 - French Conversation (1.0)**

*Prerequisite: FREN 102, exemption by exam or permission of department.* A one-credit conversation course conducted in French designed to develop oral skills. Weekly discussions based on readings of cultural or current topics. Final grade based on attendance and participation and on one writing assignment in French. May be repeated.

Offered: Both Semesters

**FREN 201 - Intermediate French I (3.0)**

*Prerequisite: FREN 102 or satisfactory performance in placement examination or permission of the department chair.* Credit by exam. Further development of language skills with emphasis on reading and oral participation.

Core: Foundations/Foreign Language

Offered: Fall Semester



**FREN 202 - Intermediate French II (3.0)**

*Prerequisite:* FREN 201 or permission of the department chair. Credit by exam. Continuation of FREN 201.

Offered: Spring Semester

**FREN 203 - French Conversation & Composition (3.0)**

*Prerequisite:* FREN 202 or satisfactory performance in placement exam or permission of the department chair. Credit by exam. Concentration on writing, conversation and structural difficulties. Reading and discussion of cultural material of an interdisciplinary nature.

Offered: Fall Semester

**FREN 204 - French Culture and Civilization (3.0)**

*Prerequisite:* FREN 203 or permission of the department chair.

Introduction to French civilization: study of the cultural features of the French language and the social, cultural and intellectual life of the French-speaking people. Discussion and weekly written assignments.

Offered: Spring Semester

**FREN 207 - Cultural Perspectives on French Literature I (3.0)**

*Prerequisite:* FREN 202 or permission of the department chair. An introductory course that analyzes literary genres and examines major French texts from the Middle Ages to the French Revolution. Illustrated lectures, films and selected documents of and on the period will provide the cultural background required to understand the texts and connect them to social, philosophical and aesthetic movements.

Core: Global Persp & Literature

Offered: Fall Semester

**FREN 208 - Cultural Perspectives on French Literature II (3.0)**

*Prerequisite:* FREN 203 or permission of the instructor. An introductory course that analyzes literature genres and examines major French texts from 1800 to the present. Illustrated lectures, films and selected documents of the period will provide the cultural background required to understand the texts and connect them to social, philosophical and aesthetic movements.

Core: Global Persp & Literature

Offered: Spring Semester

**FREN 230 - Phonetics and Diction (3.0)**

*Prerequisite:* FREN 202 or permission of the department chair. Study of the basic phonological structure of French. Transcription practice; corrective drill in pronunciation, rhythm, intonation; and practice in the oral interpretation of French prose, poetry and drama. Analysis of tape recordings: examples of regional accents and other aspects of the spoken language.

Offered: As needed

**FREN 313 - Gender and Gaze in Modern French Literature and Film (3.0)**

*Prerequisite:* FREN 207 or FREN 208 or permission of the department chair. How do women and men see each other? Is the literary gaze inevitably marked by gender? This course will analyze the implications of the gaze in modern French literature and cinema. Works studied will include French and Francophone novels, poetry, theater and film.

Offered: As needed

**FREN 314 - Refinement, Politeness and Social Behavior (3.0)**

*Prerequisite:* FREN 207 or FREN 208 or permission of the department chair. We will define what makes refinement, politeness and the art of living one of the major stereotypes when speaking about French culture. Through the literature and the culture of seven centuries of French history, we will evaluate the importance of language from 1100 to 1800 in the creation of an ideal of social behavior.

Core: Global Perspectives

Offered: As needed

**FREN 317 - Parlez-moi d'amour: A Critical Look at Love in French Culture from 1100-1800 (3.0)**

*Prerequisite:* FREN 207 or FREN 208 or permission of the department chair. This course will define and evaluate the convention that has created the myth of romance within French culture. The French, during their history, stylized love; they believe in this mental creation and force themselves to live passion in this poetic way.

Offered: Spring Semester (As Needed)

**FREN 318 - Advanced Composition and Translation (3.0)**

*Prerequisites:* FREN 204 and at least 6 additional credits of 200-level French or permission of the department chair. Development of proficiency in writing French, with emphasis on the contrastive aspects of English and French structure. Special attention is given to style and to the idiomatic use of language. Introduction to translation techniques. Weekly compositions or translations will enhance student skill in these areas.

Offered: Spring Semester (As Needed)

**FREN 320 - Francophone Women Writers (3.0)**

*Prerequisite:* FREN 207 or FREN 208 or permission of the department chair. Students will examine works by contemporary women writers from the French-speaking world, including North Africa, sub-Saharan Africa, the Caribbean and North America, and consider how questions of gender and race are experienced and expressed by these women. Topics of discussion will include marriage and polygamy, slavery, and racial difference.

Core: Global Perspectives

Offered: As needed

**FREN 321 - Masque et illusion dans la France d'Ancien Regime (3.0)**

*Prerequisite:* FREN 207 or FREN 208 or permission of department chair. We will examine the concepts of illusion and the role of the mask in early modern France as an aesthetic of the ephemeral and diverse nature of humankind. Topics of discussion will include the definition of the "Baroque," political and religious propaganda, concepts of spectacle and the spectacular, the fairy tale and sexual ambiguity.

Offered: Spring Semester (As Needed)

**FREN 322 - Ecrivains derriere la camera (3.0)**

*Prerequisites:* FREN 207 or FREN 208 or satisfactory performance in placement examinations or permission of the instructor or department chair. Very early in the 20th century, a new form of expression fascinated writers: cinema. In this class the student will analyze and interpret the different relationships that exist between an author (Breton, Cocteau, Prévert, Duras, Robbe-Grillet) and the way he/she attempted to reproduce it in his/her film.

Offered: As needed

**FREN 323 - Modern Family in France (3.0)**

*Prerequisites: FREN 207 or FREN 208 or permission of instructor* The modern nuclear family may seem universal to us today, but in fact it is a fairly recent idea that sprang from the age of Enlightenment. Through the works of authors such as Rousseau and Balzac, and critical perspectives from sociology and art history, we will explore the origin of the modern family and its implications in modern France.

Core: Global Perspectives

Offered: Fall Semester (As Needed)

**FREN 335 - Teaching Assistantship in French (1.0 - 3.0)**

An opportunity for qualified seniors to conduct practice sessions, tutor students and/or administer examinations in specified 100- and 200-level courses. Students are selected by the department. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**FREN 375 - Independent Study in French (1.0 - 3.0)**

*Prerequisites: Permission of the instructor and the department chair.* Study of a selected subject. Conferences and reports.

Offered: Both Semesters and Summer

**FREN 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

**FREN 399 - Internship in French (3.0 - 9.0)**

*Prerequisite: Open to junior and senior majors with permission of the department chair.* Supervised work in a governmental or international agency, in industry or other appropriate settings involving French-speaking people. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**FREN 470 - Seminar (3.0)**

*Prerequisites: 12 credits in French above the intermediate level.* An in-depth study of a subject selected according to the special interests of the students and of the faculty.

Offered: As needed

**FREN 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## FYS - FIRST YEAR SEMINAR

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**FYS 101 - First-Year Seminar (3.0)**

Taught on a variety of topics, these interdisciplinary seminars focus on cultivating student skills in reading, writing, critical thinking, oral presentations and information literacy in a small-group setting.

Core: Foundations/First-Year Seminar

Offered: Fall Semester

**FYS 335 - FYS Teaching Assistantship (2.0)**

*Prerequisite: By invitation of the supervising FYS faculty.* Student teaching assistants work under the supervision of FYS faculty and are selected by the faculty. They will attend FYS classes and model good academic behavior, help to facilitate discussion, work closely with FYS faculty in and out of the classroom, and serve as a peer mentor and tutor to FYS students and a liaison between FYS faculty and students.

Offered: Fall Semester

## GEOG - GEOGRAPHY

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**GEOG 101 - Cultural Geography (3.0)**

General survey of the fundamental concepts and principles of human geography. Primary emphasis will be on the analysis and interpretation of the relationships between human beings and their environment.

Core: Global Perspectives

Offered: Fall Semester

## GER - GERMAN

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*All courses are conducted in German. One advanced level German course is offered each semester. Students must earn a grade of "C" or better in the previous course in order to enroll in any 200-level course.*

**GER 101 - Elementary German I (4.0)**

Development of the basic language skills: listening, speaking, reading and writing. Special emphasis on aural-oral proficiency.

Core: Foundations/Foreign Language

Offered: Fall Semester

**GER 102 - Elementary German II (4.0)**

*Prerequisite: GER 101 or permission of the department chair. Credit by exam.* Continuation of 101.

Core: Foundations/Foreign Language

Offered: Spring Semester

**GER 105 - German Conversation (1.0)**

*Prerequisite: GER 102, exemption by exam or permission of department.* A one-credit conversation course conducted in German designed to develop oral skills. Weekly discussions based on readings of cultural or current topics. Final grade based on attendance and participation and on one writing assignment in German. May be repeated.

Offered: Both Semesters

**GER 201 - Intermediate German I (3.0)**

*Prerequisite: GER 102 or satisfactory performance on placement examination or permission of department chair. Use of language laboratory. Credit by exam.* Further development of language skills with emphasis on reading and oral participation.

Core: Foundations/Foreign Language

Offered: Fall Semester

**GER 202 - Intermediate German II (3.0)**

*Prerequisite:* GER 201 or permission of department chair. Use of language laboratory. Credit by exam. Continuation of GER 201.

Core: Foundations/Foreign Language

Offered: Spring Semester

**GER 203 - German Conversation & Composition (3.0)**

*Prerequisite:* GER 202 or satisfactory performance in placement exam or permission of department chair. Credit by exam. Concentration on writing, conversation and structural difficulties. Reading and discussion of cultural materials of an interdisciplinary nature. Weekly written compositions.

Offered: Fall Semester (Odd Years)

**GER 204 - German Culture and Civilization (3.0)**

*Prerequisite:* GER 202 or permission of the department chair.

Introduction to German civilization: study of the cultural features of the German language and the social, cultural and intellectual life of the German-speaking people. Discussion and weekly written assignments

Offered: Fall Semester (Even Years)

**GER 207 - Cultural Perspectives on German Literature I (3.0)**

*Prerequisite:* GER 202 or permission of the department chair. An introductory course that analyzes literature genres and examines major German texts from the Middle Ages to the 18th century. Illustrated lectures, films and selected documents of the periods will provide the cultural background required to understand the texts and connect them to social, philosophical and aesthetic movements.

Core: Global Persp & Literature

Offered: Either Semester

**GER 208 - Cultural Perspectives on German Literature II (3.0)**

*Prerequisite:* GER 203 or permission of the instructor. An introductory course that analyzes literature genres and examines major German texts from the 18th century to the present. Illustrated lectures, films and selected documents of the period will provide the cultural background required to understand the texts and connect them to social, philosophical and aesthetic movements.

Core: Global Persp & Literature

Offered: Either Semester

**GER 230 - History of German Language (3.0)**

*Prerequisite:* GER 207 or GER 208 or permission of department chair. This course introduces basic linguistic concepts and methodology as applied to the German language with emphasis upon its historical and structural development. Students will look at relevant texts, and analyze and translate them, identifying the changes in the German language

Offered: As needed

**GER 299 - Special Topics (3.0)**

*Prerequisite:* GER 207 or GER 208 or permission of department chair. A course covering a specific motif, theme, genre or medium reflecting the cultures of the German speaking countries.

Offered: As needed

**GER 301 - Berlin in the 20th Century (3.0)**

*Prerequisite:* any GER 200-level course or permission of the department chair. The interaction of a "cultural landscape" and literature from the

turn of the century to the year 2002 will be studied in works by Alfred Döebelin, Nelly Sachs, Bertolt Brecht, Christa Wolf, Zehra Cirak, etc. Movies will be used to provide a visual background and further topics for discussion.

Offered: As needed

**GER 314 - Advanced Composition (3.0)**

*Prerequisite:* GER 207 or GER 208 or permission of department chair. Development of proficiency in writing German, with emphasis on the contrastive aspects of English and German structure. Special attention to the idiomatic use of language. Introduction to translation.

Offered: As needed

**GER 316 - Modern German Literature (3.0)**

*Prerequisite:* GER 208 or permission of the department chair. A study of major authors from expressionism to the present. Modern literary and philosophical movements.

Offered: As needed

**GER 321 - History of German Film (3.0)**

*Prerequisite:* GER 207 or GER 208 or permission of the department chair. This course analyzes films from Germany, Austria and Switzerland. Directors such as Fritz Lang, G.W. Pabst, Rainier Werner Fassbinder, Margarethe von Trotta and others will help trace the history of German film.

Offered: As needed

**GER 335 - Teaching Assistantship in German (1.0 - 3.0)**

*Prerequisite:* Selection by the department. An opportunity for qualified seniors to conduct practice sessions, tutor students and/or administer examinations in specified 100- and 200-level courses. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**GER 375 - Independent Study in German (1.0 - 3.0)**

*Prerequisites:* Permission of the instructor and the department chair. Study of a selected subject. Conferences and reports.

Offered: Both Semesters and Summer

**GER 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

**GER 399 - Internship in German (3.0 - 9.0)**

*Prerequisite:* Open to junior and senior majors with permission of the department chair. Supervised work in a governmental or international agency, in industry or other appropriate settings involving German-speaking people. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

## GERO - GERONTOLOGY

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### GERO 370 - Gerontology Practicum (3.0)

*Prerequisites:* At least two of the following: PYSO 221, PSY 373 or BIOL 138 and permission of the instructor. Open to students in the gerontology minor. Supervised work program providing 120 hours of on-site work experience with the elderly.

Offered: Either Semester

## GLBS - GLOBAL STUDIES

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### GLBS 200 - Introduction to Global Studies (3.0)

This course provides a broad introduction to the cultural, economic, and political forces of globalization and examines how those forces influence our lives and the lives of people throughout the world. The course is based upon current and topical issues including: global trade, financial markets, human rights, environmental scarcity, and social media.

Core: Global Perspectives

Offered: Either Semester and/or Summer

### GLBS 300 - Challenges and Opportunities of Globalization (3.0)

*Prerequisite:* GLBS 200. This course examines the cultural, economic and political forces of globalization. It is organized around the debate concerning the merits of modern globalization. We will examine how the forces of globalization impact certain aspects of lives of people around the world. We will use the evidence gathered in our examination of the impact of globalization to critique the classical arguments.

Core: Global Perspectives

Offered: Either Semester

### GLBS 301 - Human Migrations: Refugees and IDPs (3.0)

*Prerequisite:* Junior or senior standing. This course will focus on the core reasons for contemporary human migration and its effects on modern societies. Focus will be placed on how societies react to demographic changes and how refugees and internally displaced persons (IDPs) are shaping the world population today.

Core: Global Perspectives

Offered: Spring Semester (As Needed)

### GLBS 345 - Global Perspectives on Women, Power and Politics (3.0)

*Prerequisite:* One of the following: GLBS 200, HIST 266, PSCI 202, PSCI 210, PSCI 215 The course focuses on the different ways gender structures women's political experiences and how race, class and ethnicity intersect with gender in shaping political consciousness and action. Readings will emphasize women's power within established formal government structures and informal exercise of power through religion, family and society.

Core: Global Perspectives

Offered: Either Semester

### GLBS 375 - Independent Study in Global Studies (1.0 - 3.0)

*Prerequisite:* Permission of the program director. Reading and/or research in a related field and/or topic of the Global Studies major.

Offered: Both Semesters and Summer

### GLBS 397 - Special Topics (3.0)

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

### GLBS 399 - Internship in Global Studies (3.0 - 6.0)

*Prerequisites:* Must be a declared Global Studies major or permission of the instructor. Students may be placed in a variety of settings including: governmental agencies, non-profit organizations, think tanks, or other global affairs related entities and work with their designated internship faculty supervisor to complete a portfolio and deliver a final oral presentation. Grading is on S/U.

Offered: Both Semesters and Summer

### GLBS 470 - Senior Seminar in Global Studies (3.0)

*Prerequisite:* Open to senior global studies majors or with permission of the instructor. The course examines critical 20th and 21st century academic works on aspects of globalization including: technology, the environment, social movements, transnational advocacy networks, corporations, social media, global finance, state, and non-state actors. Topics may vary. The course requires student-led discussions, original research, and oral presentations.

Offered: Spring Semester

### GLBS 499 - Departmental Honors (6.0)

*Prerequisite:* By invitation of the department. The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## GNST - GENERAL STUDIES

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### GNST 099 - College Reading Skills (2.0)

College-reading skills are developed and practiced. The primary focus is on literal and inferential comprehension, vocabulary development, reading speed and efficiency, and specific strategies for reading in different disciplines.

Offered: Fall Semester

### GNST 101 - Seminar for Academic Success (2.0)

*Prerequisite:* Student must be enrolled in a minimum of 9 credits in addition to GNST 101. New learning strategies and methods through which students can become successful in college. Students are guided to become self-directed learners.

Offered: Both Semesters

### GNST 220 - Dynamics of Leadership (3.0)

Styles of techniques of leadership that are essential to working with groups. Determination and development of personal leadership style. Analysis of the structure of groups from casual social groups to formal business groups. Emphasis upon decision-making and problem solving through appropriate leadership techniques.

Offered: Spring Semester

**GNST 335 - Teaching Assistantship in General Studies (2.0)**

Teaching Assistants in General Studies assist instructors with activities in support of course learning outcomes such as increasing self-motivation, mastering effective study skills, applying critical thinking to problem-solving, and developing personal responsibility and interdependence.

Offered: Both Semesters

## HIST - HISTORY

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**HIST 202 - Medieval Europe (3.0)**

A survey of the European Middle Ages, including political, social, economic and cultural developments from the fall of Rome through the 15th century. (E)

Core: Historical Analysis

Offered: Spring Semester (Every 3 Years)

**HIST 208 - Introduction to Public History (3.0)**

Overview of the history field as practiced in museum work, historic preservation, state/national parks, archives, historic sites, historical societies, etc. Students will utilize local resources and do hands-on projects. This is the foundation course for the Public History Concentration and is also open to all interested students.

Offered: Fall Semester (Even Years)

**HIST 217 - History of the United States to 1877 (3.0)**

*Credit by exam.* The development of the United States from the colonial settlements to 1877.

Core: Historical Analysis

Offered: Both Semesters

**HIST 218 - History of the United States since 1877 (3.0)**

*Credit by exam.* The development of the United States as a world power from 1877 to the present

Core: Historical Analysis

Offered: Both Semesters

**HIST 246 - Modern Africa, 1400-Present (3.0)**

This course surveys the major political, economic, social, and cultural contours of the African past from 1400 to the present. Key topics include the development of the Atlantic slave trade, the expansion of European colonialism, the process of decolonization, and the challenges of the post-independence period.

Core: Global Perspectives

Offered: Every 3 years

**AFHS 257 - The African American Experience (3.0)**

A chronological survey of African-American history from pre-colonial Africa and colonial America through the twentieth century. Focuses on the economic, political, social and cultural context in which a uniquely constituted African-American culture developed in the course of the struggle to achieve human rights.

Core: Historical Analysis

Offered: Fall Semester

**HIST 264 - Ancient and Medieval World to 1200 (3.0)**

*Not open to students who have completed HIST 262.* This course surveys the political, economic, social, and cultural contours of the global human experience from the ancient period to 1200. The course focuses on societies and interactions of peoples around the world, including empires, written traditions, the development of global religions, and the evolution of trade networks in Asia, Africa, Europe, and the Americas.

Core: Global Persp & Historical Analysis

Offered: Both Semesters

**HIST 265 - Medieval and Early Modern World, 1200-1800 (3.0)**

*Not open to students who have completed both HIST 262 and HIST 263.*

This course surveys political, economic, social, and cultural contours of the global human experience from 1200 to 1800. The course focuses on challenges and changes to societies and human interactions during the period, including the development of global trade networks and the rise and fall of early modern societies in Africa, the Americas, India, the Middle East, China, Japan, and Europe.

Core: Global Persp & Historical Analysis

Offered: Both Semesters

**HIST 266 - The Modern World, 1750 to Present (3.0)**

*Not open to students who have completed HIST 263.* This course surveys the political, economic, social, and cultural contours of the global human experience from the mid-1700s century to the present. The course focuses on concepts and developments of the period, including liberalism, nationalism, industrialization, capitalism, communism, imperialism, and decolonization. Examples of specific regions illustrate global patterns and experiences.

Core: Global Persp & Historical Analysis

Offered: Both Semesters

**HIST 268 - Latin America (3.0)**

This course addresses the history of Latin America, including Mexico, Central America, the Caribbean nations, and South America. Topics include the pre-Columbian period, Native peoples' contacts with Europeans and Africans, Portuguese and Spanish colonial expansion, and the history of Latin American nations through the 20th century.

Core: Global Perspectives & Historical Analysis

Offered: Spring Semester (Even Years)

**HIST 269 - Women in America (3.0)**

This course surveys women's experiences in America from the arrival of Europeans to the present, focusing on women's legal, political, economic, and social status and roles, as well as race, ethnicity, and class. We will cover trends and common experiences, but also specific experiences through the voices of women of privilege, less advantaged women, and women of color.

Core: Historical Analysis

Offered: Spring Semester (Odd Years)

**HIST 299 - Special Topics (3.0)**

This course introduces general topics in history, allowing faculty and students to examine specific areas of interest.

Offered: As needed

**HIST 300 - From Celts to Vikings 400-1000 (3.0)**

*Prerequisite:* HIST 264 or permission of the instructor. A study of the peoples and culture of early medieval Europe, from late Rome through the 10th century. Includes Celtic population of Roman Empire; "barbarian" kingdoms such as Celtic Ireland and Scotland, Anglo-Saxon England, and Frankish Gaul; Visigothic and Islamic Spain; technological developments; the Carolingian Empire; and Viking invasions. (E)

Offered: (Every 3 Years)

**HIST 306 - Heresy and Society in Europe, 1400-1800 (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition section of Core requirement; or permission of instructor. The course addresses conflicts, wars, and cultural infighting among late medieval and early modern Europeans over issues of belief, heresy, and governing emerging European states. Students read banned and approved texts to understand cultural developments and the emergence of European imperial systems.

Offered: Every 3 Years

**HIST 309 - Islam & the Crusades (3.0)**

*Prerequisite:* HIST 264 or permission of the instructor. A study of the "holy wars" between the Islamic world and the Christian west in the 11th through 15th centuries, including long-term effects on the modern Middle East. (E)

Offered: (Every 3 Years)

**HIST 312 - Women in Medieval Europe (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition section of the Core, or permission of instructor. A study of the roles and experience of European women during the Middle Ages, 500-1500. Legal and social status, queenship and power, religion and spirituality, marriage and family, and women in the ethnic minorities. (E)

Offered: Every 3 Years

**HIST 314 - Medieval and Tudor England (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition section of the Core, or permission of instructor. This course explores the history of England from the Norman Conquest in 1066 through the reign of Elizabeth in the 16th c. It traces the forging of English culture, government, and society in the medieval and early modern periods and addresses the longterm significance of these events and institutions. (E)

Offered: Every 3 Years

**HIST 318 - Colonial and Revolutionary America (3.0)**

*Prerequisites:* HIST 217, or with the permission of the instructor. This course examines the evolution of the English colonies and their integration into a larger British Empire, effects of colonization on native peoples, the rise of slavery in North America, the experiences of Africans and their descendants, the origins and consequences of the Revolution, its impact on the population, and the long-term significance of this era.

Offered: As Needed

**HIST 319 - The Civil War and Reconstruction (3.0)**

*Prerequisite:* HIST 217 or HIST 218. A study of America's most destructive war: its origins, impact and aftermath. The course also will deal with the problems, accomplishments and failures of reconstruction.

Offered: As Needed

**HIST 320 - America in the Sixties (3.0)**

*Prerequisite:* HIST 217 or 218 or by permission of instructor. This course is an in-depth examination of American society, culture and politics during the period commonly known as "the sixties." The course will cover American politics, the Cold War, nuclear proliferation, social movements, the Vietnam War and American popular culture. Course materials include books and articles, movies, documentaries and sound recordings, as well as guest lectures by 60s participants.

Offered: Every 3 Years

**HIST 330 - Cultural Encounters in LatAm Hist (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition section of Core requirement; or permission of instructor. Employing a cross-cultural perspective, this course explores the historical process as being a dialogue between the cultures of the indigenous peoples of Latin America, Europeans, and Africans.

Core: Global Perspectives

Offered: Every 3 Years

**HIST 335 - Teaching Assistantship in History (1.0)**

*Prerequisites:* Junior or senior standing, completion of course(s) involved or equivalent competency and permission of the department. The teaching assistant will have significant responsibilities in the assigned class or classes supporting the instruction of the course. Duties can include research, assisting with course instructional technology, tutoring class members, and working on other class-related projects. May be taken only twice. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**HIST 338 - The Gilded Age and Progressive Era, 1877-1929 (3.0)**

*Prerequisites:* HIST 218 or permission of instructor. Between 1877 and 1929, the United States wrestled with the wrenching social, political, cultural and economic transformations that accompanied the second industrial revolution. This course will address the ways in which Americans responded to the crises caused by industrialization, immigration and urbanization with special emphasis on Progressive Era reform.

Offered: Every 3 Years

**HIST 339 - New Deal America, 1929-2000 (3.0)**

*Prerequisites:* HIST 218 or permission of instructor. This course traces the rise and fall of the New Deal order. The first part of the course will discuss the legacies of the New Deal and WWII. The second part focuses on the turbulent 1960s. The final part examines the economic crisis of the 1970s and America's "conservative turn" in the 1980s.

Offered: Every 3 Years

**HIST 341 - Cultural Resources and Events (1.0)**

*Prerequisite:* Any 200-level history course or permission of the instructor. In this course students partake of and reflect thoroughly on the cultural resources available on campus and in Frederick, Baltimore and Washington, DC. During the semester, students attend historically-themed public events and visit historical museums and sites, discuss their experiences, and complete reading and writing assignments.

Offered: As Needed

**HIST 342 - Short Topics in History (1.0)**

*Prerequisite:* Any 200-level history course or permission of the instructor.

Short Topics in History is a 1-credit course that offers a change to pursue in more detail more focused study of subjects only touched upon in broad survey courses, or those not covered elsewhere in the history curriculum. Format, perspectives and topics may vary according to the instructor's expertise.

Offered: Either Semester (As Needed)

**HIST 347 - The Indigenous World (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition section of Core requirement; or permission of instructor.

The course addresses the histories of indigenous (or Native) peoples around the globe. Students will analyze the meanings of indigeneity across time and space, looking at different regions of the world from the thirteenth century to the present. (E)

Core: Global Perspectives

Offered: Every 3 Years

**HIST 349 - Europe in the Age Total War (3.0)**

*Prerequisite:* Completion of the Historical Analysis or Composition section of the Core or permission of the instructor. An exploration of the political, cultural, and social history of Europe from 1914-1945. In addition to European experiences of World War I and World War II, the course examines the rise of fascism and Nazism, the advent of Americanization, the interwar economic crises, genocide, and the rise of the Cold War superpowers.

Offered: Every 3 Years

**HIST 353 - US Foreign Relations since World War II (3.0)**

*Prerequisites:* HIST 217 or HIST 218 or permission of the instructor. This course explores the history of America's role in the world since the Second World War, examining the development of America's position within the world community and the political, social and economic factors shaping its foreign policy. The course will cover such topics as the creation of the United Nations, the Cold War, Korea and Vietnam, détente, globalization and American involvement in the Middle East.

Core: Global Perspectives

Offered: As Needed

**HIST 354 - Medieval Warfare (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition section of the Core, or permission of instructor. This course traces the history of warfare in medieval Europe, emphasizing military developments but also exploring social, economic, diplomatic, and religious aspects of war. Topics include military organization, strategy, tactics, weaponry, fortifications, technology, and logistics, from the late Roman period through the Hundred Years War. (E)

Offered: Every 3 Years

**HIST 356 - Global Empires I (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition section of Core requirement; or permission of instructor. This course addresses the rise of early modern global empires beginning in the fifteenth century. The Portuguese, Dutch, Spanish, English, and French empires up to the early nineteenth century will be the primary focus of the course. Particular emphasis will be placed on the Atlantic world and imperial experiences in the Indian Ocean.

Core: Global Perspectives

Offered: Every 3 Years

**HIST 357 - Global Empires II (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition section of Core requirement; or permission of instructor. A study of imperialism from 1789 to the present. Topics include the fall of the Atlantic World empires in the 18th century, the expansion of empires in Africa and Asia in the 19th century, the imperial experience of the world wars, and decolonization during the Cold War. The course explores the perspectives of colonial subjects and their rulers.

Core: Global Perspectives

Offered: Every 3 Years

**HIST 358 - African Americans and Sports (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition section of the Core, or permission of instructor. Focuses largely on the historic role of athletics in black communities; the interconnectedness of racial identity and athletic competition; racial exclusion and integration; and the formation and dismantling of black owned and operated teams, leagues, and complexes. We will also explore the intersection of sports, social paradigms, political transformations, and race in America during the nineteenth, twentieth, and twenty-first centuries.

Offered: Every 3 Years

**HIST 359 - Black Women in America (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition section of the Core, or permission of instructor. This course surveys the accomplishments and challenges of women of African descent in America, from the colonial era to the present, with attention to their everyday lives, as well as their political and economic activism. Family structure, images in popular and material culture, and the social construction of gender and race will also be explored.

Offered: Every 3 Years

**HIST 365 - The Ancient Near East and Greece (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition section of Core requirement; or permission of instructor. This course traces the early history of western civilization, from humanity's origins in Africa, through the first civilizations of Mesopotamia and Egypt, to classical and Hellenistic Greece. It emphasizes the varieties of organization, individual and collective identity, and interaction between states, religious authorities and cultures. (E)

Offered: As needed

**HIST 366 - Ancient Rome (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition section of Core requirement; or permission of instructor. An exploration of the history of Rome, from its founding through the Republic and the Empire, focusing on political, social, cultural and military developments. (E)

Offered: Every 3 Years

**HIST 370 - History Practicum (2.0 - 3.0)**

*Prerequisites:* Declared history major; 12 credits of history, including 8 credits of history at Hood; and permission of the department chair. An

opportunity for hands-on training or equivalent experience in the field of history. Examples of the practicum are an internship-type work placement at a local historical site or on campus, a research assistantship with a history faculty member, or an independent-study-type course that utilizes local historical sites. With the permission of the department, this course may be substituted for the required history internship.

Offered: Either Semester

#### **HIST 371A - Topics in Early History (3.0)**

*Prerequisite: HIST 264 or permission of instructor.* Advanced topics in ancient and medieval history. This course pursues in more detail subjects not fully covered elsewhere in the history curriculum. Students who lack the prerequisite, but who have other coursework or experience relevant to the specific topic, are encouraged to seek the instructor's permission to enroll. (E)

Offered: As needed

#### **HIST 371B - Topics in American History (3.0)**

*Prerequisite: HIST 217, HIST 218 or AFHS 257 or permission of instructor.* Advanced topics in colonial American and United States history. This course pursues in more detail subjects not fully covered elsewhere in the history curriculum. Students who lack the prerequisite, but who have other coursework or experience relevant to the specific topic, are encouraged to seek the instructor's permission to enroll.

Offered: As needed

#### **HIST 371C - Topics in Modern European History (3.0)**

*Prerequisite: HIST 266 or permission of instructor.* Advanced topics in the history of modern Europe. This course pursues in more detail subjects not fully covered elsewhere in the history curriculum. Students who lack the prerequisite, but who have other coursework or experience relevant to the specific topic, are encouraged to seek the instructor's permission to enroll.

Offered: As needed

#### **HIST 371D - Topics in World History (3.0)**

*Prerequisite: HIST 264 or HIST 266 or permission of instructor.* Advanced topics in comparative and world history. This course offers a chance to pursue in more detail subjects only touched upon in broad survey courses, or those not covered elsewhere in the history curriculum. Format, perspectives and topics may vary according to the instructor's expertise.

Offered: As needed

#### **HIST 371E - Topics in Public History (3.0)**

*Prerequisite: One of the following: HIST 208, HIST 217, HIST 218 or permission of the instructor.* Advanced topics in public history. This course pursues in more detail subjects not fully covered elsewhere in the history curriculum. Students who lack the prerequisite, but who have other coursework or experience relevant to the specific topic, are encouraged to seek the instructor's permission to enroll.

Offered: As needed

#### **HIST 373 - Research and Writing in History (3.0)**

*Prerequisite: Open to history majors with at least sophomore standing and HIST 217 or HIST 218 or AFHS 257 plus another history course.* An introduction to historical method, including historical argumentation, evidence, documentation and archival research. Each student researches local or family history, using original sources from archival collections.

As the entry into the major, the course is for second-semester sophomores, first-semester juniors, and new transfer students.

Offered: Spring semester

#### **HIST 375 - Independent Study in History (1.0 - 3.0)**

*Prerequisite: Permission of the instructor.* A readings course to supplement the regular offerings of the department. Conferences and written reports.

Offered: Both Semesters and Summer

#### **HIST 376 - American Frontiers (3.0)**

*Prerequisites: Completion of the Historical Analysis or English Composition section of the Core; or permission of instructor.* This course examines the concepts of frontiers and the frontier experience in North America from the colonial period to the late nineteenth century, including both indigenous and non-indigenous contexts.

Offered: Every 3 Years

#### **HIST 377 - Civil Rights and Black Power (3.0)**

*Prerequisites: Completion of the Historical Analysis or English Composition section of the Core, or permission of instructor.* This course analyzes the transformative and explosive events of the 1950s-early 1970s. It considers how varied social, cultural, and political movements, organizations, and individuals have shaped our modern world. It examines social, cultural, and legal challenges and triumphs in the struggle for equality.

Offered: Every 3 Years

#### **HIST 378 - Blacks and American Law (3.0)**

*Prerequisite: Completion of the Historical Analysis or English Composition section of the Core, or permission of instructor.* Explores the relationship between American jurisprudence and African Americans, from the colonial period to the present. It identifies statutory law, case law, and de facto standards that determined the role and status of Blacks in American society. The course also examines how African Americans have used law and protest to gain civil rights and political power.

Offered: Every 3 Years

#### **HIST 379 - Making of the American City (3.0)**

*Prerequisites: Completion of the Historical Analysis or English Composition section of the Core, or permission of instructor.* This course charts the development of urban centers in the United States from the colonial period to the present. It analyzes sociohistorical, political, geographical, and economic phenomena and trends that have fostered the growth and transformation of cities across the country.

Offered: Every 3 Years

#### **HIST 380 - The Native American Experience (3.0)**

*Prerequisites: Completion of the Historical Analysis or English Composition section of Core requirement; or permission of instructor.* The course addresses the long history of Native Americans from the period before contact to the present, with a primary focus on Native peoples' history in the 18th, 19th and 20th centuries.

Offered: Every 3 Years

#### **HIST 381 - Collections: Museums and Archives (3.0)**

*Prerequisites: Completion of the Historical Analysis or English Composition section of the Core; or HIST 208; or permission of instructor.* The course addresses both practical and theoretical approaches



to museums and archives, their history, and new developments in the field of collections management. Students visit local and regional museums and archives as part of the course.

Offered: Every 3 Years

### **HIST 382 - Exhibiting History (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition section of the Core; or HIST 208; or permission of instructor. The course addresses both practical and theoretical approaches to history museum exhibitions in both traditional physical spaces and virtual or digital exhibitions. Students visit local and regional museums in preparation for the experiential learning exercise in which each student plans a mock history exhibition.

Offered: Every 3 Years

### **HIST 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

### **HIST 398 - Service Learning in History (3.0)**

*Prerequisites:* Completion of the Historical Analysis or English Composition area of the Core. An opportunity both to study a historical topic in depth and to learn actively through public service in a structured project in the local community. Topic, project and format will vary according to instructor expertise and community partner availability.

Offered: Either Semester

### **HIST 399 - Internship in History (3.0 - 15.0)**

*Prerequisites:* 9 credits of history taken at Hood, or permission of the instructor. Supervised historical writing, research and/or museum work with private or government agencies full or part time. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

### **HIST 399C - Internship Colloquium (1.0)**

*Corequisite:* HIST 399 or permission of the instructor. This seminar, taken together with the history internship, consists of readings, discussion and writing that will deepen and enrich the internship experience. The class will discuss the readings, their work sites, current issues in public history, and professionalism in the history-related workplace

Offered: As Needed

### **AFHS 424 - Race and Racism in the United States (4.0)**

*Prerequisites:* Junior or senior standing and HIST 217 or HIST 218 or AFHS 257. This course explores the origins and development of racial attitudes, both scientific and popular, supporting mythologies, and contemporary institutional expressions. It will also discuss the African Americans' attempts to resist white supremacy. Emphasis will be on African American history since Reconstruction.

Cross-Listed as: Double-numbered course; offered with graduate-level AFHS 524

Offered: As Needed

### **HIST 470 - Seminar: Topics in History (3.0)**

*Prerequisites:* Junior or senior standing and HIST 373 or permission of the instructor. This advanced course explores one topic in depth. The format, approach and perspective vary according to the instructor's

expertise and preference, but in general students are expected to read deeply in the topic, participate actively in seminar discussions and complete a major research project. This is the capstone for the history major.

Offered: Fall Semester

### **HIST 499 - Departmental Honors (6.0)**

*Prerequisite:* By invitation of the department. The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## **HON - HONORS**

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### **FYS 101H - First Year Seminar-Honors Colloquium I (3.0)**

Taught on a variety of topics, these interdisciplinary seminars focus on cultivating student skills in reading, writing, critical thinking, oral presentations and information literacy in a small-group setting.

Core: Foundation/First-Year Seminar

Offered: Fall Semester

### **HON 102 - Honors Colloquium II (3.0)**

*Prerequisite:* FYS 101H. A colloquium on a selected topic each year in which students explore one or more specific issues arising from the general theme introduced in the first semester colloquium. Emphasis is on collaborative, as well as independent, learning and examination of works from the humanities, sciences and social sciences.

Offered: Spring Semester

### **HON 201 - Honors Colloquium III (3.0)**

*Prerequisite:* HON 102, or admission to the Honors Program as a sophomore. This course takes a global perspective on the world and asks students to consider topics such as how and why different societies construct institutions, art, literature and regional and cultural identities.

Core: Global Perspectives

Offered: Fall Semester

### **HON 202 - Honors Practicum (3.0)**

*Prerequisite:* HON 201. In this course, students design and participate in a service learning project that addresses a social or intellectual problem of the student's choice, includes an experiential and a research component and makes a positive contribution to the local community. Each student makes a culminating presentation of her/his experience and research.

Offered: Spring Semester

### **HON 301 - Images of Women (3.0)**

*Prerequisite:* Open to sophomores, juniors or seniors in the Honors Program, or with permission of the instructors. An interdisciplinary study of issues of gender in art, religion and society, with emphasis on the major cultural traditions of West and East. The course examines images of women from prehistoric times until about 1500 and considers the way in which these images change from period to period and from culture to culture.

Offered: As Needed

**HON 328 - STEM and the Environment (3.0)**

*Prerequisites: Completion of the Laboratory Course portion of Scientific Thought. Open to sophomores, juniors, or seniors in the Honors Program, or with permission of the instructor.* From global climate change to pollution to decreasing biodiversity, our society faces a wide range of environmental issues. This course will look at a range of these issues and what we can do to mitigate these challenges. The course will focus on the role STEM (Science, Technology, Engineering, and Mathematics) disciplines play in understanding and finding solutions to both local and global environmental issues, but it will also incorporate political, legal, ethical, and social dimensions of environmental issues.

Offered: Term As Needed

**HON 302 - Third World Development: Latin America (3.0)**

*Prerequisite: Open to sophomores, juniors or seniors in the Honors Program, or with permission of the instructor.* An interdisciplinary study of the Third World that uses aspects of literature, culture, politics, biology, demography, history and economics to understand how the world works for most of humankind. The course features field trips, guest speakers and a team approach to investigating problems of the developing world.

Cross-Listed as: Also offered as SPAN 302

Offered: As Needed

**HON 304 - Censorship in America (3.0)**

*Prerequisite: Open to sophomores, juniors or seniors in the Honors Program, or with permission of the instructor.* This course examines the historical and contemporary aspects of censorship in America, paying particular attention to government and societal attempts to repress speech, press and the arts.

Offered: As Needed

**HON 307 - The Chesapeake Bay: Human Impact on a Natural System (3.0)**

*Prerequisite: Concurrent enrollment in ENSP 210 and ENSP 212 or permission of instructor. Open to sophomores, juniors and seniors in the Honors Program.* The natural history of the Chesapeake Bay region will be examined in the context of society's exploitation of a natural system. Scientific topics will be combined with historical, sociological, and economic perspectives to form a coherent portrait of the interplay between society and the environment.

Cross-Listed as: Also offered as ENSP 307

Offered: As Needed

**HON 312 - Revisioning Motherhood in Modern Western Culture (3.0)**

*Prerequisite: Open to sophomores, juniors and seniors in the Honors Program, or with permission of the instructor.* An interdisciplinary study of the institution of motherhood and its representations in modern cultural productions of the Western world. Students will examine the myth and reality of mothering by analyzing readings in social, political and psychoanalytical theory as well literary and filmic texts. This course may be used for credit in the women's studies minor.

Cross-Listed as: Also offered as SWAG 312

Offered: Fall Semester (Every 3 Years)

**HON 313 - Great Political Trials (3.0)**

*Prerequisites: Open to sophomores, juniors, and seniors in the Honors Program, or with permission of the instructor.* This course analyzes great political trials that have reflected the political controversies of their time. Western tradition of law and legal analysis through trials held in the United States, France and England will be examined and contrasted and compared with trials held under socialist, Islamic and indigenous political systems.

Cross-Listed as: Also offered as PSCI 313

Offered: (As Needed)

**HON 315 - Literature of Moral Reflection (3.0)**

*Prerequisite: Prerequisites: Open to sophomores, juniors, and seniors in the Honors Program, or with permission of the instructor.* Through analysis and discussion of works of great literature, students will examine questions concerning human nature and ethical responsibility. Authors may include Tolstoy, Greene, Hurston, Marx, Golding, Camus, Sophocles and C.S. Lewis.

Cross-Listed as: Also offered as PHIL 315

Offered: As Needed

**HON 316 - Perspectives in Global Health (3.0)**

*Prerequisites: Completion of the Scientific Thought and Philosophical Inquiry areas of the Core. Open to sophomores, juniors, and seniors in the Honors Program or with permission of the instructor.* This course examines basic advances in genetics, reproductive medicine and in combating infectious diseases and explores their ethical implications, particularly for non-Western cultures. Students use a case study approach to consider topics like genetics, epidemics, euthanasia and reproductive technology from a global, non-Western perspective.

Cross-Listed as: Also offered as PHIL 316

Core: Global Perspectives

Offered: As Needed

**HON 318 - Theory and Practice in the Arts: The Philosophy of Music (3.0)**

*Prerequisites: Completion of the Literary Analysis and the Visual and Performing Arts areas of the core. Open to sophomores, juniors and seniors in the Honors Program or with permission of the instructor.* In this class we will survey the writings of philosophers, artists and other figures who attempted to explain why music appeals to us and what the musical experience says about human nature. Readings will be taken from antiquity, the distant past, and the present day. Our goal will be: (1) to study how philosophers have attempted to explain what the musical experience says about human nature; (2) to study what these explanations say about the time periods and cultures from which they came.

Cross-Listed as: Also offered as MUSC 318

Offered: Fall Semester (Odd Years)

**HON 319 - Orientalism & Egyptomania: Rediscovering & Remaking the Ancient Middle East (3.0)**

*Prerequisites: Open to juniors or seniors in the Honors Program or by permission of the instructor.* This class will examine the rediscovery and re-presentation of Egypt and related lands in the Middle East during the 19th and 20th century by artists, travelers and related figures. We will consider visual and literary sources of many kinds, from the lands of the Middle East and the Western cultures of discoverers.

Cross-Listed as: Also offered as ART 319

Offered: As Needed

### **HON 322 - Law and Cyberspace (3.0)**

*Open to sophomores, juniors and seniors in the Honors Program, or with permission of the instructor.* Exploration of the legal and technology issues that arise with the emergence and use of digital technologies throughout society. Topics include: relevancy, investigation, prosecution and enforcement and jurisdiction of existing laws in cyberspace, online vices, internet bullying, identity theft cyberterrorism, hacking and digital forensics.

Offered: As Needed

### **HON 323 - C.S. Lewis & Friends (3.0)**

*Prerequisites: Open sophomores, juniors or seniors in the Honors Program, or with permission of the instructor.* An analysis of the fiction and nonfiction of the twentieth-century British writer C. S. Lewis. This course will also examine selected writings by other members of the group known as the Oxford Christians: e.g., Charles Williams, Austin Farrer, and Dorothy L. Sayers.

Cross-Listed as: Also offered as REL 323

Offered: As Needed

### **HON 324 - Natural Disasters (3.0)**

*Prerequisites: Open to sophomores, juniors and seniors in the Honors Program.* An examination of the physical processes and human consequences of natural disasters: hurricanes, floods, earthquakes, tornados, heat waves, volcanoes, wildfires, and other catastrophic events linked to the forces of nature. We will use case studies of major disasters—supplemented by additional readings, films, and speakers—to investigate geologic and meteorological processes responsible for natural hazards as well as topics such as the impact of gender, class, ethnicity and age on vulnerability; the role of media; community disruption and recovery; and political and economic factors shaping disaster response.

Offered: As Needed

### **HON 327 - Frederick, MD: From Colony to Suburb (3.0)**

*Prerequisites: Completion of the Social and Behavioral Analysis area of the Core. Open to sophomores, juniors, and seniors in the Honors Program, or with permission of the instructor.* Frederick City will be studied from the perspectives of art, demography, economics, history, literature, race, politics and sociology. The evolution of Frederick City from a frontier colony to a suburb of Washington, DC will be examined in the light of regional, national and global forces.

Cross-Listed as: Also offered as PSCI 327

Offered: As Needed

### **HON 335 - Teaching Assistantship (2.0)**

*Prerequisite: Open to juniors or seniors in the Honors Program, with permission of the instructor and the Honors Director.* An opportunity for juniors or seniors in the Honors Program to assist instructors in FYS 101H, HON 102 or HON 201 by attending classes, helping to lead discussions and assisting with class-related projects and peer review. May not be repeated or substituted for required courses in the Honors Program. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

### **HON 354 - African Political Autobiography (3.0)**

*Prerequisite: HIST 246, AFPS 353, or completion of the Philosophical Inquiry section of the Core. Open to sophomores, juniors, or seniors in the honors program or permission of the instructor.* This course explores the connections between autobiography, political philosophy and politics in African autobiographies. Selections from the 17th to the 21st centuries will be analyzed by authors from East, North, Central and Southern Africa to determine how they criticized their societies, suggested social and political alternatives and promoted social change

Cross-Listed as: Also offered as PSCI 354

Core: Global Perspectives

Offered: As Needed

### **HON 356 - Jamestown: Commemoration and Interpretation (3.0)**

*Prerequisites: Completion of the Social and Behavioral Analysis category of the Core. Open to sophomores, juniors or seniors in the Honors Program or with permission of the instructor.* This course will explore the ways in which national historical events are commemorated with specific reference to the 2007 Jamestown celebrations. The issues of race, politics, and gender will be examined as well as the ways in which the founding of Jamestown is represented in film and literature.

Cross-Listed as: Also offered as PSCI 356

Offered: Fall Semester (As Needed)

### **HON 364 - Exploring Utopia (3.0)**

*Prerequisite: Open to sophomores, juniors or seniors in the Honors Program, or with permission of the instructor.* A study of utopian thought from Plato's Republic through contemporary science fiction. Texts may include St. Augustine's City of God, The Rule of St. Benedict, Campanella's City of the Sun, More's Utopia, Bellamy's Looking Backward, Gilman's Herland, Huxley's Brave New World, as well as films such as Gattaca and Minority Report. The course will also include a study of experimental utopian communities.

Cross-Listed as: Also offered as ENGL 364

Offered: Spring Semester (Odd Years)

### **HON 368 - American Landscapes: Environmental Literature in the United States (3.0)**

*Prerequisite: Sophomore, junior or senior standing in the Honors Program, or permission of the instructor.* How does the American landscape function in our imagination, our policies, our lives? This reading-intensive course covers a wide range of environmental works: political, scientific, philosophical, autobiographical. Authors include Thoreau, Emerson, Aldo Leopold, Leslie Marmon Silko, Annie Dillard, Gary Snyder, Jack London, and William Faulkner. (H2, CT)

Cross-Listed as: Also offered as ENGL 368

Offered: Fall Semester (Odd Years)

### **HON 375 - Independent Study (1.0 - 3.0)**

*Prerequisites: Permission of the instructor.* Independent work in a topic selected by the student and faculty adviser. Conferences.

Offered: Either Semester

### **HON 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

### **HON 463 - International Currents in Modern Fiction (3.0)**

*Prerequisite:* Open to juniors or seniors in the Honors Program or with permission of the instructor. Considers recent global fiction that transcends boundaries of nation and language. Raises questions about race, gender, religion, political allegiance, violence, memory, history, and East/West relations. Authors may include Achebe, Gordimer, Salih, Endo, Nabokov, Ishiguro, Ondaatje, Roy, Lahiri, Rushdie, and Coetzee. (H2, CT)

Cross-Listed as: Also offered as ENGL 463

Core: Global Perspectives

Offered: Fall Semester (Even Years)

### **HON 470 - Honors Seminar (3.0)**

*Prerequisite:* Open to juniors and seniors in the Honors Program. May be repeated once under a different topic. Advanced interdisciplinary study of a topic of interest to senior Honors students and faculty. Class discussion will be supplemented by independent research, collaborative projects, student presentations and guest speakers.

Offered: Both Semesters

### **HON 499 - Honors Thesis (3.0)**

As an alternative to a departmental honors thesis, students in Hood's Honors Program may elect to complete a 3-credit interdisciplinary paper or project (HON 499) during the fall or spring semester of the senior year.

Offered: Either Semester

## **IMC - INTEGRATED MARKETING COMMUNICATION**

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### **IMC 470 - Seminar in Communication Ethics (3.0)**

*Prerequisite:* CMA 305 and junior standing. An examination and critical analysis of ethical issues in communications, marketing and the mass media through classroom discussions, readings, and independent research.

Cross-Listed as: Also offered as CMA 470

Offered: Both Semesters

## **INST - INTERDISCIPLINARY STUDIES**

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### **INST 312 - Archaeology: Cultures, Technologies, Methods and Theories (3.0)**

*Prerequisites:* Junior or senior standing, completion of the Social and Behavioral Analysis section of the Core and one course from the Scientific Thought section of the Core. This course examines the history of archaeological exploration and the discipline of archaeology as it is currently practiced. Archaeological cultures that vary from one another widely, both in terms of their geographic locations and the time periods in which they existed will be examined.

Offered: Spring Semester

## **INT - INTERNSHIP**

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### **INT 399 - Internship (3.0)**

*Prerequisites:* Completion of 45 credits (12 credits at Hood) and a cumulative GPA of 2.5 or above. Supervised career-related work at a site related to the student's interests, but outside the student's major field of study. In addition to 120 hours of work at the internship site, the student completes an academic component that is agreed with and supervised by the internship adviser.

Offered: Both Semesters and Summer

## **IT - INFORMATION TECHNOLOGY**

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*Undergraduate students enrolling in undergraduate computer science and information technology courses must have earned a grade of "C-" or higher in each prerequisite course.*

### **IT 180 - Unraveling the Web (3.0)**

*Prerequisite:* Level II placement on the Basic Math Skills Inventory or MATH 099 or permission of the instructor. Introduction to the World Wide Web, its design, and impact on society. Topics include history of the internet and Web, HTML and CSS languages, and contemporary issues. Provides an overview of creating web documents, separating structure from presentation.

Core: Scientific Thought-Non-Lab

Offered: Both Semesters

### **CSIT 302 - Impact of Computers on Society (3.0)**

*Prerequisites:* Completion of the Social and Behavioral Analysis section or Historical Analysis section or Philosophical Inquiry section of the Core or permission of the instructor. Computer technology is a driving factor in globalization. This course studies the past, present and future impact of computer and communications technology on society, education, government and the workplace around the world. Topics covered cross national, cultural, and continental boundaries.

Core: Global Perspectives

Offered: Both Semesters

### **IT 375 - Independent Study (1.0 - 3.0)**

*Prerequisite:* Permission of the instructor. The study of selected topics in information technology, accomplished through readings, problem assignments and projects.

Offered: Both Semesters and Summer

### **ITMG 388 - Management Information Systems (3.0)**

*Prerequisite:* MGMT 301. Study of the management decision-making framework, needs assessment, types of management information systems, selection, evaluation and implementation of systems. Social and policy issues are also considered.

Offered: Both Semesters

**IT 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

## ITLS - INTERNATIONAL STUDIES

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**ITLS 300 - Cultures of the Middle East (4.0)**

*Prerequisite: Completion of one of the following sections of the core: Visual and Performing Arts or Philosophical Inquiry.* Aspects of Middle Eastern culture in the areas of art, history, literature, philosophy, religion, social and political life and thought from prehistoric times to the 18th century.

Offered: Spring Semester

## LAT - LATIN

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**LAT 101 - Elementary Latin I (4.0)**

This course introduces the student to the basics of Latin grammar, syntax and vocabulary. Course work will consist of systematic study of verb, noun and adjective formation and selected readings geared towards developing skills in translation and composition.

Offered: Fall Semester (As Needed)

**LAT 102 - Elementary Latin II (4.0)**

*Prerequisite: LAT 101 or permission of department chair. Credit by exam.* This course is the continuation of Latin 101, the first semester of elementary Latin. Course work will consist of selected readings and the completion of the basic study of Latin grammar.

Offered: Spring Semester (As Needed)

**LAT 201 - Intermediate Latin Prose (3.0)**

*Prerequisite: LAT 102 or satisfactory performance in placement exam or permission of the department chair.* Focuses on the reading of continuous passages of classical Latin prose in the three major genres developed in the Roman era: historiography, oratory and letter-writing. The main goals are to improve translation skills and to review basic Latin grammar through close reading of increasingly lengthy and challenging excerpts from classical texts.

Offered: Fall Semester

**LAT 202 - Intermediate Latin Poetry (3.0)**

*Prerequisite: LAT 102 or satisfactory performance in placement exam or permission of the department chair.* This course begins with Latin lyric and elegiac poetry to introduce the student to Latin poetic syntax and language, with further stress on meter and pronunciation through vocal in-class readings. The second half of the course will deal with epic poetry; literary issues will be an important component of these later lectures.

Offered: Spring Semester

**LAT 299 - Special Topics (3.0)**

*Prerequisites: LAT 201 or LAT 202 or permission of instructor.* This course provides the opportunity for small groups of students to work closely with a faculty member on a particular Latin genre, topic or text not included in the regular offerings. Intended for students with two or more years of experience in Latin.

Offered: Spring Semester (As Needed)

**LAT 335 - Teaching Assistantship (1.0 - 3.0)**

*Prerequisites: Permission of instructor.* An opportunity for qualified advanced students to conduct practice sessions, tutor students and/or administer examinations in specified 100- and 200-level courses. Students are selected by the department. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

## LW - LAW

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**LWPS 230 - Introduction to Law (3.0)**

Law and the legal system in the United States. The impact of legal institutions on society. The law as a reflection of political, economic and social values.

Core: Social and Behavioral Analysis

Offered: Both Semesters

**LW 300 - Legal Research and Writing (3.0)**

*Prerequisite: LWPS 230* Improving research and writing skills for students preparing to go to law school. Identifying strategies for legal research and preparing legal documents such as case briefs, legal memoranda, pleadings and motions. Students taking this course have a significant advantage in law school.

Offered: Spring Semester (Odd Years)

**LW 375 - Independent Study (1.0 - 3.0)**

*Prerequisites: 12 credits in the major, and permission of the instructor.* Reading and/or research in a selected area of law and society.

Offered: Both Semesters and Summer

**LWSC 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

**LW 399 - Internship in Law (3.0 - 15.0)**

*Prerequisites: 15 credits in the major, and permission of the supervising instructor and the director of the Law and Criminal Justice program.* Participation and experience in law and society related settings through supervised full- or part-time work. Placements may be in a variety of settings such as: court systems, states attorneys' offices, prisons, law enforcement agencies, advocacy organizations or government offices. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**LWCJ 401A - Pre-Law Clinic Seminar (3.0)**

*Prerequisites:* LWPS 230, CJ 230, PSCI 308 and LW 300 and with permission of the instructor. The Pre-Law Clinic provides students with hands-on experience by conducting investigations, legal research, and preparing real cases for trial. The Clinic has a classroom seminar and collaborative investigative component. *Note:* There is an application process to participate in Pre-Law Clinic. Please contact Professor Bean for more information.

Offered: Fall Semester

**LWCJ 401B - Pre-Law Clinic (3.0)**

*Corequisite:* LWCJ 401A. Grading is satisfactory/unsatisfactory. The Pre-Law Clinic provides students with hands-on experience by conducting investigations, legal research, and preparing real cases for trial. The Clinic has a classroom seminar and collaborative investigative component.

Offered: Fall Semester

**LWCJ 402A - Pre-Law Clinic Seminar II (3.0)**

*Prerequisites:* Completion of LWCJ 401A and LWCJ 401B and by permission of the instructor. The Pre-Law Clinic II permits students to continue their PTC client and project work through the spring semester.

Offered: Spring Semester

**LWCJ 402B - Pre-Law Clinic II (3.0)**

*Corequisite:* LWCJ 401A and LWCJ 401B and by permission of the instructor. The Pre-Law Clinic II permits students to continue their PTC client and project work through the spring semester.

Offered: Spring Semester

**LWPS 406 - International Law (3.0)**

*Prerequisites:* PSCI 215 or LWPS 230 or PSCI 307, or permission by instructor. This course will investigate the basic question underlying the debate over the utility of international law. The influence of global civil society, multinational corporations, and other non-state actors in the development and application of international law will be examined.

Offered: As Needed

**LW 470 - Seminar in Law (3.0)**

*Prerequisite:* This course is open only to senior Law and Criminal Justice majors. This course focuses on the relationship between law and its social context, how law is used for the attainment of the goals of particular interest and pressure groups within society, and looks at the current critical legal theory debates occurring in the academic and legal arenas. The relationship between law, social change and political interests will also be explored.

Offered: Spring Semester

**LWCJ 499 - Departmental Honors (6.0)**

*Prerequisite:* By invitation of the department. The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## MATH - MATHEMATICS

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*Undergraduate students enrolling in undergraduate mathematics courses must have earned a grade of "C-" or higher in each prerequisite course.*

**MATH 098 - Algebra Review I (1.0)**

*Prerequisite:* Level I placement on the Basic Math Skills Inventory. A review of basic concepts of arithmetic and elementary algebra. Topics include fractions, decimals, percents, operations with real numbers, linear equations and inequalities, graphs and functions, solving linear systems, exponents, polynomials, and problem solving. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**MATH 099 - Algebra Review II (1.0)**

*Prerequisite:* MATH 098 or permission of instructor. Topics include factoring polynomials, rational expressions, absolute value equations and inequalities, radicals, rational exponents, quadratic equations, and problem solving. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**MATH 106 - Explorations in Elementary Mathematics I (3.0)**

*Prerequisite:* MATH 098 or Level IB placement on the Basic Math Skills Inventory or permission of the instructor. Early childhood and elementary/special education majors explore the complexities of the mathematics taught in elementary and middle schools. Focus is on developing a deep understanding of number, addition, subtraction, and multiplication.

Offered: Fall Semester

**MATH 107 - Explorations in Elementary Mathematics II (3.0)**

*Prerequisite:* MATH 098 or Level IB placement on the Basic Math Skills Inventory or permission of the instructor. Early childhood and elementary/special education majors explore the complexities of the mathematics taught in elementary and middle schools. Focus is on developing a deep understanding of geometry and measurement.

Offered: Spring Semester

**MATH 108 - Explorations in Elementary Mathematics III (3.0)**

*Prerequisite:* MATH 106. Early childhood and elementary/special education majors explore the complexities of the mathematics taught in elementary and middle schools. Focus is on developing a deep understanding of division, ratios, proportional relationships, algebraic expressions and equations, and basic number theory.

Offered: Spring Semester

**MATH 111 - Mathematics Everywhere (3.0)**

*Prerequisite:* MATH 098 or Level IB placement on the Basic Math Skills Inventory or permission of the department. These courses promote students' understanding and appreciation of mathematics and develop quantitative and problem solving skills. Each course uses the computer to aid in exploration and computation. Various topics are offered each semester.

Core: Computation/Quantitative Literacy

Offered: Both Semesters

**MATH 111A - The Mathematics of Daily Life (3.0)**

*Prerequisite: MATH 098 or Level IB placement on the Basic Math Skills Inventory or permission of the department.* This course addresses a wide range of applications of basic mathematical ideas to modern life. Topics include: mathematical tools that businesses use to schedule and plan efficiently; number codes such as UPC, ZIP codes, and ISBN codes that help organize our lives; and surprising paradoxes and complexities of elections.

Core: Computation/Quantitative Literacy

Offered: Either Semester

**MATH 111B - The Mathematics of Democracy (3.0)**

*Prerequisite: MATH 098 or Level IB placement on the Basic Math Skills Inventory or permission of the department.* A mathematical study of two basic questions about democracy, "How do we vote?" and "How do we allocate power?", revealing surprising paradoxes and complications. The course explores why we vote the way we do, what problems arise in voting, and what alternatives are being tried.

Core: Computation/Quantitative Literacy

Offered: Either Semester

**MATH 111G - The Mathematics of Games and Sports (3.0)**

*Prerequisites: MATH 098 or Level IB placement on the Basic Math Skills Inventory or permission of the department.* How often is a perfect game pitched? Why split 8s in blackjack? How is a tournament scheduled for seven teams? Should you bet on a color or a number in roulette? Students will explore all of these questions and more using probability, linear models, graph theory, and more. This class also uses computational tools to solve problems and analyze data.

Core: Computation/Quantitative Literacy

Offered: Either Semester

**MATH 112 - Applied Statistics (3.0)**

*Prerequisite: MATH 098 or Level IB placement on the Basic Math Skills Inventory or permission of the instructor. Not open to students who have received credit for ECMG 212, MATH 112W, MATH 213, PSY 211 or SOC 261.* Statistics with emphasis on applications. Topics covered include statistical measures, normal distribution, sampling theory, statistical inference, hypothesis testing and quality control, correlation, regression and analysis of variance. Students will use statistical software packages on the computer to explore topics in more depth.

Core: Computation/Quantitative Literacy

Offered: Summer and/or Both Semesters

**MATH 112W - Workshop Statistics (3.0)**

*Prerequisite: MATH 098 or Level IB placement on the Basic Math Skills Inventory or permission of the instructor. Not open to students who have received credit for ECMG 212, MATH 112, MATH 213, PSY 211 or SOC 261.* An active-learning approach to introductory statistics. Emphasis is on collaboration, discovery, and use of technology. Topics covered are the same as those in MATH 112: statistical measures, distributions, sampling, inference, confidence intervals, correlation, regression, ANOVA. Students will use a statistical software package.

Core: Computation/Quantitative Literacy

Offered: Spring Semester

**MATH 120 - Pre-Calculus Mathematics (3.0)**

*Prerequisite: MATH 099 or Level II placement on the Basic Math Skills Inventory. Credit by exam. Not open to students who have received credit for MATH 201 or its equivalent.* Functions and graphs: polynomial, exponential, logarithmic and trigonometric functions; analytic geometry. Emphasis is on problem-solving, mathematical modeling and the use of technology. Designed primarily as preparation for calculus.

Offered: Both Semesters

**MATH 120L - Pre-Calculus Workshop (1.0)**

*Prerequisite: Level 1.7 mathematics placement score; concurrent enrollment in MATH 120.* Students in this class will work on algebra skills necessary to be successful in MATH 120. Each week's workshop will parallel the content of MATH 120 for that week. *Grading is on a satisfactory/unsatisfactory basis.*

Offered: Both Semesters

**MATH 201 - Calculus I (4.0)**

*Prerequisite: MATH 120 or Level III placement on Basic Math Skills Inventory.* Relationships, functions, rates of change, initial value problems, derivatives of functions of one variable, numerical solutions, applications. Emphasis is on: problem solving, collaborative work, computer exploration, writing.

Core: Computation/Quantitative Literacy

Offered: Both Semesters

**MATH 202 - Calculus II (4.0)**

*Prerequisite: MATH 201 or permission of the instructor.* Antiderivatives and the Fundamental Theorem of Calculus; distance, velocity, and acceleration; the definite integral; uses of integrals and representations of functions; distribution and density functions; Taylor polynomials and infinite series. Emphasis is on problem-solving, collaborative work, computer exploration, writing.

Offered: Both Semesters

**MATH 207 - Discrete Math (3.0)**

*Prerequisite: MATH 120 or Level III placement on the Basic Math Skills Inventory or permission of the instructor.* An introduction to basic concepts and techniques of discrete mathematics. Topics include logic, sets, positional numeration systems, mathematical induction, elementary combinatorics, algorithms, matrices, recursion and the basic concepts of graphs and trees. The relationship to the computer will be stressed throughout.

Offered: Both Semesters

**MATH 213 - Statistical Concepts and Methods (4.0)**

*Prerequisite: MATH 120 or Level III placement on the Basic Math Skills Inventory.* An introduction to the practice of statistics, its applications, and its mathematical underpinnings. Focus is on data, activities, technology, conceptual understanding. This course is intended for mathematics and science majors.

Core: Computation/Quantitative Literacy

Offered: Spring Semester

**MATH 253 - Multivariable Calculus (4.0)**

*Prerequisites: MATH 202 or permission of instructor.* Calculus in several variables: multivariable functions, partial/directional derivatives, the gradient, multiple integrals, different coordinate systems, parametric

equations, vector-valued functions, velocity, curvature, vector fields, line integrals, Green's Theorem. Emphasis is on problem solving, collaborative work, computer exploration, writing.

Offered: Fall Semester

### **MATH 304 - Differential Equations (3.0)**

*Prerequisite:* MATH 202 or permission of the instructor. The study and application of the ideas and techniques of calculus to the solution of real-world problems. Emphasis is on qualitative, numerical and analytic methods of solution. Extensive use of the computer.

Offered: Spring Semester (Odd Years)

### **MATH 320 - Modeling and Simulation (3.0)**

*Prerequisites:* MATH 202 and completion of or concurrent enrollment in MATH 213, MATH 112, MATH 112W, ECMG 212, PSY 211 or SOC 261. Developing and using mathematical models to analyze and solve real-world problems. Topics will include discrete and continuous, empirical and stochastic models. Students will use computer software for analysis and simulation and will complete individual and group projects.

Offered: Spring Semester (Even Years)

### **MATH 333 - Introduction to Abstract Mathematics (3.0)**

*Prerequisites:* MATH 202 and MATH 207 or permission of the instructor. An introduction to mathematical rigor and proof encountered in advanced mathematics. Topics include logic, sets, elementary number theory, relations, functions, limits, cardinality, the complex number system.

Offered: Fall Semester

### **MATH 335 - Teaching Assistantship in Mathematics (1.0 - 2.0)**

*Prerequisite:* Permission of the department. May be repeated for a maximum of 4 credits. An opportunity for students to serve as teaching assistants for lower-division mathematics courses. Under the supervision of department faculty or The Josephine Steiner Center for Academic Achievement and Retention staff, assistants will aid students in improving their mathematical skills. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

### **MATH 336 - Introduction to Modern Geometry (3.0)**

*Prerequisites:* MATH 207. An investigation of Euclidean and non-Euclidean geometries. Use of computer technology and independent work will be an integral part of the course.

Offered: Spring Semester (Odd Years)

### **MATH 339 - Linear Algebra (3.0)**

*Prerequisites:* Any two mathematics courses at the 200-level. A modern introduction to linear algebra and its applications. Emphasis on geometric interpretation, extensive use of the computer. Linear systems, matrices, linear transformations, eigenvalues and dynamical systems.

Offered: Fall Semester

### **MATH 351 - Probability and Statistics (3.0)**

*Prerequisites:* MATH 112 or equivalent and MATH 202. A calculus-based course on the theory and application of modern probability and statistics. Topics will be chosen from the following: events and probabilities, random variables and distributions, expectation, conditional probability and independence, the Central Limit Theorem, hypothesis testing, confidence intervals, linear models, ANOVA.

Offered: Fall Semester (Odd Years)

### **MATH 375 - Independent Study (1.0 - 4.0)**

*Prerequisite:* Permission of the instructor. The study of selected topics in mathematics or computing, accomplished through reading, problem assignments and projects.

Offered: Both Semesters and Summer

### **MATH 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

### **MATH 398 - Mathematics Tutorial (1.0 - 3.0)**

*Prerequisite:* Permission of instructor. An opportunity to work with a faculty member and a small group of students in a semester-long program of directed study.

Offered: Either Semester

### **MATH 399 - Internship in Mathematics (3.0 - 15.0)**

*Prerequisites:* 21 credits of mathematics courses at the 200-level or above and permission of the department. Supervised work in mathematics-related projects in a governmental, private-industrial or educational setting. In order to enroll in this course, a student must meet College internship requirements. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

### **MATH 407 - Introduction to Graph Theory (3.0)**

*Prerequisite:* MATH 333 or equivalent. A rigorous study of the theory of graphs, including simple and directed graphs, circuits, graph algorithms, connectedness, planarity and coloring problems.

Cross-Listed as: Double-numbered course; offered with graduate-level MATH 507

Offered: Spring Semester (Odd Years)

### **MATH 409 - Elementary Number Theory (3.0)**

*Prerequisite:* MATH 333. An introduction to the theory of numbers: divisibility, prime numbers, unique factorization, congruences, Euler's phi-function, Fermat's and Wilson's theorems, multiplicative functions, quadratic reciprocity, perfect numbers and applications to Diophantine equations. Applications include public-key cryptography and integer arithmetic.

Cross-Listed as: Double-numbered course; offered with graduate-level MATH 509

Offered: Fall Semester (Odd Years)

### **MATH 440 - Introduction to Abstract Algebra (3.0)**

*Prerequisites:* MATH 333 and MATH 339, or permission of the instructor. The study of the basic structures of modern abstract algebra: groups, rings and fields. Topics include cosets, direct products, homomorphisms, quotient structures and factorization. Applications may include symmetry groups, coding theory and connections with graph theory.

Offered: Spring Semester (Even Years)

### **MATH 453 - Introduction to Real Analysis (3.0)**

*Prerequisites:* MATH 253 and MATH 333, or permission of the instructor. An introduction to real analysis and its development: infinite series, differentiability, continuity, the Riemann and Cauchy integrals,



uniform convergence. Computer exploration and visualization are an essential part of the course.

Offered: Spring Semester (Odd Years)

#### **MATH 454 - The Real Number System (1.0)**

*Prerequisites: MATH 253 and MATH 333.* A theoretical development of the real number system. Properties of real numbers. Binary operations. Associative, commutative, and distributive laws. Rational and irrational numbers. Laws of exponents. Radicals. Decimal representation. This course is intended only for students enrolled in the secondary mathematics education program. A student may not receive credit for both MATH 454 and MATH 453.

Offered: Fall Semester (Even Years)

#### **MATH 456 - Numerical Analysis (3.0)**

*Prerequisites: MATH 339 or permission of the instructor.* The theory and applications of numerical computing: interpolation and curve-fitting, solutions of algebraic and functional equations, numerical integration, numerical solutions of differential equations.

Offered: Fall Semester (Even Years)

#### **MATH 470 - Seminar: The History of Mathematics (3.0)**

*Prerequisites: Senior standing and either MATH 440 OR MATH 453 or permission of the department.* A seminar in the history of mathematics. Students will use primary and secondary resources, both print and non-print, to explore the history of mathematics from pre-history to the present.

Core: Global Perspectives

Offered: Fall Semester

#### **MATH 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## **MEST - MIDDLE EASTERN STUDIES**

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#### **MEST 300 - Cultures of the Middle East (3.0)**

*Prerequisite: Completion of one of the following sections of the core: Visual and Performing Arts or Philosophical Inquiry.* The goals of this course are to define what we commonly refer to as the "Middle East" and to study the cultures of this region within the framework of various disciplines. Emphasis is placed on the long history of the Middle East and the role it plays in our understanding of the region today.

Core: Global Perspectives

Offered: Spring Semester

#### **MEST 375 - Independent Study (1.0 - 3.0)**

*Prerequisites: Permission of the instructor and the department chair.* Study of a selected subject. Conferences and reports.

Offered: Both Semesters and Summer

#### **MEST 399 - Internship (3.0 - 9.0)**

Participation in a supervised off-campus project related to Middle Eastern Studies. Credit requires submission of written work discussing the philosophical issues and/or implications of the work done in the internship. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

#### **MEST 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## **MSCI - MILITARY SCIENCE**

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#### **MSCI 101 - Leadership & Personal Development (1.5)**

During the first semester the course examines the unique duties and responsibilities of Army officers. This includes an introduction to the organization and role of the Army in American society. Students discuss basic leadership traits and skills such as interpersonal communication and team building. Students also analyze Army values and ethical leadership.

Offered: Fall Semester

#### **MSCI 102 - Introduction to Tactical Leadership (1.5)**

*Prerequisite: MSCI 101* The second semester examines fundamental leadership concepts and doctrine. Students learn effective problem-solving skills and apply active listening and feedback strategies. Students also examine factors that influence leader and group effectiveness. The instructor provides an overview of the experience of any Army officer.

Offered: Spring Semester

#### **MSCI 201 - Innovative Team Leadership (2.5)**

*Prerequisite: MSCI 102.* During the first semester students develop introspective knowledge of self, individual leadership skills, and self-confidence. Students further develop their problem-solving and critical-thinking skills while applying advanced communication, feedback, and conflict resolution skills.

Offered: Fall Semester

#### **MSCI 202 - Foundations of Tactical Leadership (2.5)**

*Prerequisite: MSCI 201* The focus of the second semester is on self-development guided by knowledge of self and group processes. The course challenges student beliefs, knowledge, and skills. Students learn and execute squad level battle drills.

Offered: Spring Semester

#### **MSCI 301 - Advanced Military Science I: Leadership and Problem Solving (3.0)**

*Prerequisite: MSCI 202* The course examines basic skills that contribute to effective problem solving. Students analyze the role officers played in the transition of the Army from Vietnam to the 21st Century and learn how to execute the Leadership Development Program. An analysis of and planning military missions is conducted. Students learn and execute platoon level battle drills.

Offered: Fall Semester

**MSCI 302 - Advanced Military Science II: Leadership and Ethics (3.0)**

*Prerequisite: MSCI 301* In the second semester student probe leader responsibilities that foster an ethical command climate. Focus is on developing leadership competencies and studying leader responsibilities. Students apply techniques of effective written and oral communication. Students learn and execute platoon level battle drills.

Offered: Spring Semester

**MSCI 370 - Cadet Professional Development Practicum (3.0)**

*Prerequisites: MSCI 102 or prior military experience or permission of the instructor.* This course is for ROTC cadets who have been selected for overseas or domestic deployments to active-duty military units, training rotations with other governmental agencies, or cultural awareness immersion programs.

Offered: Summer Semester

**MSCI 401 - Advanced Military Science III: Leadership and Management (3.0)**

*Prerequisite: MSCI 302* This course builds on the National Advanced Leadership Camp experience, focusing on how to solve organizational and staff problems by analyzing leader counseling responsibilities and methods. Principles of motivating subordinates and organizational change by applying leadership and problem-solving principles to complex case studies and simulations is examined.

Offered: Fall Semester

**MSCI 402 - Advanced Military Science IV: Officership (3.0)**

*Prerequisite: MSCI 401* Students learn to describe the legal aspects of decision-making and leadership, analyzing Army operations from the tactical to strategic levels while also assessing administrative and logistics management functions. Students perform platoon leader action and examine leader responsibilities that foster an ethical command climate.

Offered: Spring Semester

## MUSC - MUSIC

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**MUSC 100 - Fundamentals of Music (3.0)**

A study of the basic building blocks of music: note reading, scales, intervals, keys, triads, rhythms and meters. Geared toward those who want to learn how to read music and build on basic skills. Note: students must either pass this course or its exemption exam in order to register for MUSC 101.

Core: Art/Visual & Performing

Offered: Fall Semester

**MUSC 101 - Beginning Music Theory & Musicianship I (3.0)**

*Prerequisite: MUSC 100 or Level I placement on the Music Fundamentals Placement Test.* A study of diatonic music: concepts, terminology and skills. Topics include diatonic chords in major and minor keys, voice-leading, part-writing, harmonic progressions, intro to formal analysis, non-chord tones. Musicianship portion to include recognition of scales, intervals, triads, seventh chords, and rhythms, plus executing rhythms and sight-singing with solmization.

Core: Art/Visual & Performing

Offered: Spring Semester

**MUSC 102 - Beginning Music Theory & Musicianship II (3.0)**

*Prerequisite: MUSC 101.* A continuation of MUSC 101.

Offered: Fall Semester

**MUSC 103 - Introduction to Music (3.0)**

A study of the materials of music from a listener's point of view, the styles and composers of the various periods, and the relationship of music to the other arts and to its social and historical background.

Core: Art/Visual & Performing

Offered: Both Semesters

**MUSC 201 - Intermediate Music Theory & Musicianship (3.0)**

*Prerequisite: MUSC 101.* A study of chromatic music: concepts, terminology and skills. Topics include secondary functions, modulation, binary and ternary forms, sonata form, rondo form, mode mixture, Neapolitan chords, augmented sixth chords. Aural skills to include recognition of compound intervals, seventh chords in inversion, two-part dictation, plus executing rhythms and sight-singing with solmization.

Offered: Spring Semester

**MUSC 299 - Special Topics in Music (3.0)**

Occasional special courses, taught on a one-time basis. Topics have included study trips to Europe, a Beethoven research class, and opera history and literature.

Core: Art/Visual & Performing

Offered: As needed

**MUSC 301 - Advanced Music Theory/Form & Analysis (3.0)**

*Prerequisites: MUSC 201.* A study of advanced, late, and post-tonal harmony and various twentieth-century systems including atonal and serial techniques, plus study of counterpoint and fugal analysis and formal analysis of works. Each student will undertake analysis of a large work for a report and class presentation. Aural skills to include recognition of form and chord progressions, plus executing rhythms and sight-singing with solmization.

Offered: Fall Semester

**MUSC 302 - World Music (3.0)**

*Prerequisites: Junior standing and completion of the Aesthetic Appreciation section of the Core curriculum, or by permission of the instructor.* A survey of the Non-Western musical cultures of Africa, East Asia, India, Latin America and North America within the context of ethnomusicology, aesthetics, cultural anthropology and ethnic diversity.

Core: Global Perspectives

Offered: Fall Semester

**MUSC 303 - Music History and Literature I (3.0)**

*Prerequisites: MUSC 201.* This class surveys Western art music from 800 A.D. to 1800, covering the Medieval, Renaissance, Baroque, Classical, and early Romantic periods. We will discuss the major composers of these periods alongside major historical milestones such as the Reformations, the Age of Enlightenment, and the French Revolution.

Offered: Fall Semester

**MUSC 304 - Music History and Literature II (3.0)**

*Prerequisites:* MUSC 201 This class surveys Western art music from 1800 to the present, covering the late Romantic, modern, and postmodern periods. We will discuss the major composers of these periods alongside major historical milestones such as the revolutions of 1848, the First and Second World Wars, the Civil Rights Era, and the internet age.

Offered: Spring Semester

**MUSC 318 - Theory and Practice in the Arts: The Philosophy of Music (3.0)**

*Prerequisites:* Completion of the Literary Analysis and the Visual and Performing Arts areas of the core. In this class we will survey the writings of philosophers, artists and other figures who attempted to explain why music appeals to us and what the musical experience says about human nature. Readings will be taken from antiquity, the distant past, and the present day. Our goal will be: (1) to study how philosophers have attempted to explain what the musical experience says about human nature; (2) to study what these explanations say about the time periods and cultures from which they came.

Cross-Listed as: Also offered as HON 318

Offered: Fall Semester (Odd Years)

**MUSC 335 - Teaching Assistantship in Music (2.0)**

*(May be repeated for a maximum of 4 credits).* An opportunity for qualified juniors or seniors to assist in the teaching of music theory or history. Interested students are selected by the department. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**MUSC 375 - Independent Study (1.0 - 3.0)**

*Prerequisite:* Permission of the department. A special project or the intensive study of the music of an individual composer, periods or type, involving independent, first-hand examination of the music. May be conducted in a group when several students pursue the same study. Note: Music History and Literature Minors will pursue a topic in American or non-Western music.

Offered: Both Semesters and Summer

**MUSC 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

**MUSC 399 - Internship in Music (3.0 - 12.0)**

*Prerequisite:* Open to junior and senior music majors, with permission of the department. Supervised part-time work in a musical setting approved by the department. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**MUSC 400 - The City (3.0)**

*Prerequisites:* Junior or senior standing, or permission of the instructor.

In this course, we will study works of art, literature, film and music inspired by the concept of "the city" and of urban culture. The course is interdisciplinary and does not presuppose prior experience in any of those fields.

Cross-Listed as: Double-Numbered course; offered with graduate-level HUM 599C

Offered: Offered as Needed

**MUSC 470 - Senior Project: Music History and Lit (3.0)**

*Prerequisites:* Completion of all music theory and music history requirements for the major in music history and literature. The course may, if necessary, be taken in conjunction with the last semester of theory and the last 3 credits of music history. A capstone research project in which the student will work one-on-one with a professor in writing a significant historical paper in music history and literature. The student will present his or her findings in a public reading at the end of the semester of study.

Offered: Both Semesters

**MUSC 471 - Senior Project: Piano Pedagogy (3.0)**

*Prerequisites:* Completion of at least 8 credits of applied piano and all other requirements for the concentration in piano pedagogy. This course is usually taken in the senior year. A capstone experience for the piano pedagogy track. Students will observe and critique piano lessons in the department, write several chapters of a sample method book and teach several students of varying ability, under the supervision of a faculty member. The piano students will perform their pieces for a panel of faculty pianists for evaluation.

Offered: Both Semesters

**MUSC 474 - Junior Recital (1.0)**

*Prerequisites:* Student must be a declared music major in performance, must have completed at least 6 credits of applied music in the area of the recital, and must have department approval. A formal, public recital, sponsored by the music department, in which the student presents a 25-minute solo recital. The recital would normally be given in the junior year. For vocalists and pianists, the recital must be performed from memory, though one work, especially a chamber piece, may be played with the score. Piano Pedagogy students are required to play one work or a short group of pieces from memory.

Offered: Both Semesters

**MUSC 475 - Senior Recital (2.0)**

*Prerequisites:* MUSC 474 and completion of at least 8 credits of applied music in the area of the recital and taken in conjunction with the last two credits of applied music. Senior recital is normally given in the senior year; students must have departmental approval of the recital program and must adhere to the senior recital guidelines as set forth by the department. A formal, public recital, sponsored by the Department of Music, in which the student presents a 50-minute representative recital in one area of applied music.

Offered: Both Semesters

**MUSC 499 - Departmental Honors (6.0)**

*Prerequisite:* By invitation of the department. The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## MUSE - MUSIC ENSEMBLE

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### MUSE 160 - Choir (0.5)

Participation in Hood's choir, which performs both choral masterworks and lighter repertoire. Grade is based on attendance, participation and performance.

Offered: Both Semesters

### MUSE 161 - String Ensemble (0.5)

*Prerequisite: Permission of the department.* Participation in Hood's String Ensemble, which performs music by the masters for smaller string ensemble. There are occasional joint performances with the wind ensemble. Grade is based on attendance, participation and performance. Selection is based on audition.

Offered: Both Semesters

### MUSE 162 - Wind Ensemble (0.5)

*Prerequisite: Permission of the department.* Participation in Hood's Wind Ensemble, which performs music by the masters for winds and brass. There are occasional joint performances with the string ensemble. Grade is based on attendance, participation and performance. Selection is based on audition.

Offered: Both Semesters

### MUSE 163 - Early Music Ensemble (0.5)

*Prerequisite: Participation must be approved by the director.* Participation in Hood's Early Music Ensemble, which performs works from the earliest eras of Western music- the late Renaissance through early Baroque. Grade is based on attendance, participation and performance.

Offered: Both Semesters

### MUSE 164 - Jazz Ensemble (0.5)

*Prerequisite: Selection is based on audition.* Participation in Hood's Jazz Ensemble, which enables students to discover and perform music from America's great art form—jazz.

Offered: Both Semesters

### MUSE 165 - Gospel Ensemble (0.5)

*Prerequisite: Permission of the instructor.* Participation in Hood's Gospel Ensemble, which performs both traditional spirituals and contemporary Gospel repertoire. Grade is based on attendance, participation, and performance.

Offered: Both Semesters

### MUSE 260 - Chamber Singers (0.5)

*Prerequisite: Permission of the department.* Participation in Hood's Chamber Singers, which performs smaller-scale choral masterworks each semester. Selection is based on audition, and grade is based on attendance, participation and performance. Membership in Chamber Singers requires concurrent participation in Choir.

Offered: Both Semesters

### MUSE 261 - Piano Ensemble I (0.5)

*Prerequisites: Permission of the instructor.* A study of the literature and performance of repertoire for piano ensemble. Topics include music for one piano, four-hands, and two pianos.

Offered: Both Semesters

### MUSE 262 - Piano Ensemble II (0.5)

*Prerequisites: MUSE 261.* A study of the literature and performance of repertoire for piano ensemble. Topics include music with voices and other instruments.

Offered: Both Semesters

### MUSE 263 - Small Ensemble (0.5)

*Prerequisites: Permission of the department.* An opportunity for students to form string quartets, string trios, woodwind quintets and other groups as deemed appropriate by the department, and to rehearse and perform the literature for those groups under the direction of a faculty coach.

Offered: Both Semesters

## NUR - NURSING

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### NUR 200 - Foundations of Professional Nursing (3.0)

*Prerequisite: Admission to the Nursing Major or permission of the instructor.* Completion of BIOL 104 (p. 113), BIOL 204 (p. 115), CHEM 100 (p. 121) (or CHEM 101 (p. 121)), PSY 101 (p. 176).

The course teaches the student the basic principles of the nursing profession that are foundational to providing safe and competent client care. Topics include an introduction to nursing, professionalism, leadership, systems-based practice, information technology, communication, teamwork and collaboration, safety, quality improvement, evidence-based practice and client centered care. Lecture will enable students to achieve course outcomes.

Offered: Fall Semester or as needed

### NUR 201 - Fundamentals of Professional Nursing (5.0)

*Prerequisite: Admission to BSN program and BIOL 104, BIOL 204, CHEM 100 or CHEM 101, and PSY 101.* This course teaches the student the basic nursing concepts, skills, and professional behaviors necessary to provide safe and competent patient care. Lecture, skills lab, clinical simulations, and clinical experiences will enable students to achieve course outcomes.

Offered: Spring Semester

### NUR 203 - Concepts of Pharmacology and Pathophysiology (5.0)

*Prerequisite: Admission to BSN program and NUR 201, NUR 303 and BIOL 232.* The course builds on foundational sciences and enhances the student's comprehension of the scientific concepts of selected pathophysiologic conditions and the related pharmacologic interventions. Emphasis is placed on commonly occurring acute and chronic illnesses, therapeutic interventions, and nursing implications. Major classes of drugs that are used to treat these illnesses and support of organ and system function are explored.

Offered: Spring Semester

### NUR 205 - Adult Health I (7.0)

*Prerequisite: NUR 201, NUR 203, and NUR 303.* This course will provide the beginning nursing student with opportunities to develop the competencies necessary to meet the needs of adults in a safe, legal, and ethical manner using the nursing process.

\* Students who entered Level 2 of major in Fall 2019 or prior should refer to 2019-2020 academic catalog course description.

Offered: Fall Semester

**NUR 300 - Global Learning Experience in Healthcare and Nursing (3.0)**

*Prerequisite:* NUR 201 or permission of instructor. May fulfill the Hood Global Perspectives core requirement. This course is designed to provide a global learning experience related to health care and/or nursing.

Students can learn about the history, resources, delivery and outcomes of the health care system and nursing outside of the U.S.

Core: Global Perspectives

Offered: Summer Semester

**NUR 303 - Health Assessment & Promotion (3.0)**

*Prerequisites:* Admission to the BSN program and BIOL 104, BIOL 204, CHEM 100 or CHEM 101, and PSY 101. This course is designed to help the student compile a complete and comprehensive database to establish the health status on an adult through history taking, physical assessment and documentation. Course content will reflect a holistic approach to assessing health status, a three-generational pedigree, development status, and health promotion. Effective communication, assessment and documentation will be practiced in the laboratory setting.

Offered: Fall Semester

**NUR 304 - Informatics and Health Care Technology (3.0)**

*Prerequisite:* NUR 305 or permission of instructor. This course introduces the student to information technology and its applications in health care. The foundations of information management will be investigated. Regulatory requirements, legal and ethical issues, and privacy and confidentiality issues will be examined. Finally, the students will explore the future of technology in health care.

Offered: Spring Semester

**NUR 305 - Adult Health II (7.0)**

*Prerequisite:* NUR 205. The course expands on nursing knowledge acquired in Adult Health I and focuses on care of the adult in acute care setting with severe episodic illness, complications of chronic illness and clients with multiple comorbidities. Students will use the nursing process to care for patients experiencing major health problems related to alterations in selected body systems.

\* Students who entered Level 2 of major in Fall 2019 or prior should refer to 2019-2020 academic catalog course description.

Offered: Spring Semester

**NUR 306 - Mental Health Nursing (4.0)**

*Prerequisite:* NUR 203 and NUR 205. This course utilizes theories and concepts related to human behavior and alterations in human behavior. Using a holistic nursing approach, emphasis is on communication skills, self-awareness, and therapeutic use of self in selected settings.

Offered: Fall Semester

**NUR 307 - Pediatric Nursing (4.0)**

*Prerequisite:* NUR 305. This course focuses on research-based evidence in the nursing care of children and childrearing families. Content will include the biopsychosocial and developmental needs of the well child, the special needs child, and the child experiencing acute and chronic illness.

\* Students who entered Level 2 of major in Fall 2019 or prior should refer to 2019-2020 academic catalog course description.

Offered: Fall Semester

**NUR 308 - Maternity Nursing (4.0)**

*Prerequisite:* NUR 305. This course introduces students to theory and principles relevant to contemporary health care for women and families during the reproductive years of the life cycle. Course content will include normal and abnormal physical, psycho-social, developmental, and ethical concerns of the mother and fetus during, pregnancy, birth, postpartum and the inter-conceptual period. Students will be introduced to maternity nursing and apply the theoretical constructs and evidence-based care during a practicum experience.

\* Students who entered Level 2 of major in Fall 2019 or prior should refer to 2019-2020 academic catalog course description.

Offered: Spring Semester

**NUR 309 - Issues in Contemporary Health Care (3.0)**

*Prerequisite:* NUR 405 or permission of the instructor. This course introduces students to government health care policies, regulatory agencies, managed care, and health care finance from the perspective of nursing practice. The student will examine socio-cultural issues, economic, legal, ethical and political factors influencing the provision of health care.

Offered: Spring Semester

**NUR 320 - Clinical Thanatology (3.0)**

*Prerequisite:* NUR 205. End of life issues including communication patterns, anticipatory grief, dying trajectories, and awareness contexts will be discussed. This class is designed for nursing and social work students who want to work with the seriously ill and their families.

Cross-Listed as: Also offered as SOWK 320

Offered: Either Semester

**NUR 375 - Independent Study in Nursing (1.0 - 3.0)**

*Prerequisite:* Permission of department chair. Reading and/or research in a selected topic in nursing.

Offered: Either Semester

**NUR 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members.

Offered: Offered as Needed

**NUR 401 - Nursing Research & Evidenced-Based Practice (3.0)**

*Prerequisite:* NUR 307 and NUR 308 or permission of the instructor. Introduces scientific inquiry. Discusses specific elements of the research process including problem identification, literature review, variables, research design, sampling concepts, data collection, data analysis, and interpretation. Students gain experience in research dissemination, critique, and application through a translational project.

Offered: Fall Semester

**NUR 403 - Community Health Nursing (4.0)**

*Prerequisite:* NUR 307 and 308 or permission of the instructor. This course examines the provision of public health with the goal of promoting and preserving the health of communities. Students will examine health care in the context of local, state, national, and global resources and issues. Clinical experience as a component of public health education is required.

Offered: Fall Semester

**NUR 404 - Leadership in Nursing Practice (3.0)**

*Prerequisite:* NUR 401, NUR 403, and NUR 405. This course examines managerial and leadership concepts, issues, roles and functions as applied to the role of the professional nurse in various healthcare settings.

Offered: Spring Semester

**NUR 405 - Adult Health III (6.0)**

*Prerequisite:* NUR 307 and NUR 308 or permission of the instructor. This course expands on nursing knowledge acquired in Adult Health I/Adult Health II, and focuses on care of the adult in acute care settings challenged with complex and often critical illnesses. Students will use the nursing process to care for patients experiencing complex/critical health problems related to alterations in selected body systems.

Offered: Fall Semester

**NUR 470 - Transition to Practice/Senior Practicum (6.0)**

*Prerequisite:* NUR 404 or permission of the instructor. This course will help students synthesize previous concepts and knowledge as they transition to the role of an entry-level professional nurse. Students will demonstrate critical thinking in the development and implementation of comprehensive plans of care through advocacy, collaboration, and evidence-based practice. Students will prepare for the NCLEX licensure examination through purchase of a specified NCLEX Review product used during the course.

Offered: Spring Semester

## **PE - PHYSICAL EDUCATION**

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**PE 102 - Canoeing (1.0)**

*Extra fee.* Basic canoeing skills for lake and river paddling. Canoe safety, stroke work, practical boat handling, and trip planning are included. Swimming skills required. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Fall Semester

**PE 104 - Swimming for Beginners (0.5)**

Basic water skills for individuals who cannot swim. Achievement of minimum competency levels in the front crawl and elementary backstroke are stressed. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Spring Semester

**PE 105 - Swimming (0.5)**

The front crawl, elementary backstroke, back crawl, breaststroke, and sidestroke for individuals who can swim, including an introduction to the butterfly. Mechanical principles of movement in the water and stroke analysis are included. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Fall Semester

**PE 110 - Aquacise (0.5)**

Improvement in cardiovascular fitness, muscle strength, and flexibility through exercises performed in the water. Focus is on learning water

exercise skills to maintain a lifelong health and wellness program. Swimming skills are not required. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 112 - Basic Conditioning (1.0)**

Improvement in cardiovascular health, muscle strength and weight control through a basic exercise program. Aerobic activities and a variety of exercise techniques are stressed. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 115 - Zumba Fitness (1.0)**

Improvement in cardio-respiratory health, muscular strength, muscular endurance, flexibility and body weight control through an aerobic exercise in combination with Latin-inspired dance. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 119 - Weight Training (1.0)**

Techniques and principles of weight training. Attention is directed to correct use of all free weight and selectorized equipment in the weight room and development of an individualized fitness program stressing high intensity or low intensity endurance. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 121 - Walking Jogging for Fitness (0.5)**

The use of walking and/or jogging to improve health and fitness. Attention is directed at development of an individualized program and increased understanding of the importance of aerobic exercise. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: As Needed

**PE 123 - Ballet, Basic (1.0)**

Basic technique for the barre, center, and allegro. Initial experience in improvisation is included. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: As Needed

**PE 126 - Aqua Zumba (1.0)**

Improvement in cardio-respiratory health, muscular strength, muscular endurance, flexibility and body weight control using water resistance with aerobic exercise in combination inspired by Latin and International Dance. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 127 - Contemporary Dance Basic (1.0)**

Basic techniques in traditional modern dance. Opportunities for individual and group improvisation are included. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: As Needed

**PE 139 - Jazz (1.0)**

Basic technique, barre, center, isolations, and combinations. Traditional funk and lyrical styles; improvisation and choreographical problems are included. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: As Needed

**PE 143 - Social Dance (1.0)**

Twentieth-century dances including the waltz, polka, fox trot, latin, country line dancing, ethnic, and popular dances. Basic steps, formations, positions, and rhythms are included. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 145 - Yoga (1.0)**

A basic introduction to the Iyengar and Ashtanga styles of Hatha yoga. Focus is upon basic postures with emphasis on body alignment, stretching, strengthening, breathing and relaxation techniques. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 146 - Advanced Yoga (1.0)**

*Prerequisites: PE 145.* This course will deepen the asana practices introduced in PE 145 with the study of pranayama (advanced breathing), building more tapas (heat) with the bandhas (locks), introduce mulabandha (root lock), uddiyana bandha (flying up lock) and jalandhara bandha (throat lock). Guest teachers will share their expertise. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 147 - Tai Chi for Beginners (0.5)**

Tai chi, which originated in China as a martial art, is a mind-body practice in complementary and alternative medicine (CAM). Tai chi is sometimes referred to as "moving meditation." Over time, people began to use it for health purposes as well. The class is designed to provide an opportunity to learn and master Tai Chi skills. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 148 - Lacrosse: Skill Development & Techniques (1.00)**

This course will teach the game of lacrosse at the fundamental level. Participating students will be taught the basic movements and techniques of lacrosse, while furthering their understanding of the game and working in a team environment. Students will also be put through basic conditioning when performing drills and skill building activities. All participating students should have a stick, other gear will be provided as needed.

Core: Foundations/PE/Health & Wellness

Offered: Fall Semester

**PE 152 - Beginning Badminton (1.0)**

Basic skills of badminton for beginners, including serves, strokes, net-shots, and foot-work. Rules of badminton, scoring procedure and elementary strategy are included. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 153 - Badminton II (0.5)**

*Prerequisite: PE 152 or permission of instructor.*

This course is designed for the students who have intermediate experience in the game of badminton. The course is an advance study of the game rules, technique, physical skills and strategies. Students will be introduced to the game's technical perspective; developing their skills through series of demonstration, individual performances and tasks. Hence, these skills will be reinforced through competitive games and tournaments. The course places major emphasis on teaching and improving fundamentals including grip, service, forehand strokes, backhand strokes, net shots, and foot work. This course is intended for students to understand the value of badminton in terms of a competitive sport as well as overall fitness and wellness.

Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: As Needed

**PE 154 - Basketball (1.0)**

Basic skills for basketball will be practiced, including ball handling, shooting, passing, and defensive principles. Rules and strategies of the game will also be included. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 162 - Flag Football (1.0)**

Allow students an opportunity to participate in an activity that promotes the five components of physical fitness: cardiovascular/cardiorespiratory fitness, muscular fitness, muscular endurance, flexibility, and body composition. Students will also gain a knowledge base foundation for the sport of flag football. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Fall Semester

**PE 164 - Advanced Basketball (1.0)**

*Prerequisites: PE 154 or permission from instructor.* Students with strong familiarity and above average skills in basketball will learn more complex fundamentals, strategy, and techniques. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 167 - Orienteering (0.5)**

*Extra fee.* An introduction to the basic skills necessary to navigate through an unknown area using a map and compass as guide. Course is held at Camp Raudy. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Fall Semester

**PE 170 - Self Defense (1.0)**

Emphasis is on awareness of potentially dangerous situations and the mastering of techniques appropriate for self protection. A basic approach to personal protection, common sense avoidance techniques and skills such as kicks, blocks, and strikes are stressed. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Spring Semester

**PE 171 - Advanced Self Defense (1.0)**

*Prerequisite: PE 170 or permission of the instructor.* Emphasis is on awareness of potentially dangerous situations and the mastering of weapon defense. The armed tactical training teaches the student not only defensive tactics against a variety of weapons but teaches deflection, redirection and deployment methods of unarmed self defense and use of said weapons in defense of her/his life. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Spring Semester

**PE 174 - Tennis I (1.0)**

Strokes and strategy for the beginning player. Attention is given to beginning strokes: forehand, backhand, volley, and serve. Elementary strategy is discussed along with basic rules and etiquette. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 187 - Rockclimbing & Rappelling (1.0)**

*Extra fee.* Fundamentals of climbing and rappelling, equipment use and safety procedures. Classes are conducted on campus and at local climbing areas. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 189 - Rockclimbing & Rappelling II (1.0)**

*Prerequisite: PE 187 or permission of the instructor. Extra fee.* Advanced techniques of rock climbing and rappelling for students with previous experience in rock climbing. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: As Needed

**PE 191 – Whitewater Canoeing (0.5)**

*Prerequisite: PE 102 or previous paddle sport activity. Extra fee.* Fundamentals of whitewater canoeing, including learning to "read" the water, equipment usage, and safety procedures. This course includes several river trips on whitewater. Swimming skills required. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Spring Semester

**PE 197 - Volleyball (1.0)**

Students will gain proficiency in the specific fundamental skills for volleyball (serving, passing, and attacking) and gain a knowledge of the

rules, strategies and etiquette of the sport. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 198 - Advanced Volleyball (1.0)**

*Prerequisites: PE 197 or permission from instructor.* Students will continue to enhance proficiency in the specific fundamental skills and further their knowledge of the rules, strategies and etiquette by playing a variety of alternate formats. Students will also learn offensive and defensive schemes and position specific strategy and skill that is needed to play in local leagues and tournaments. Grading is on a satisfactory/unsatisfactory basis.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 214 - First Aid and CPR (3.0)**

*Extra fee.* This course teaches the application of CPR to adults, children and infants using advanced techniques including bag mask ventilation and two-person CPR, theoretical and practical aspects of emergency treatment for sudden illnesses and accidents. Nationally recognized certification in CPR for the Professional Rescuer and in basic/advanced first aid may be earned.

Offered: Both Semesters

**PE 225 - Health Maintenance: Stress Assessment and Control (3.0)**

*Credit by exam.* Emphasis on developing a lifestyle conducive to overall wellness through the assessment of personality, values, diet and exercise. Each student is expected to participate in an individualized stress reducing program. This course is specifically designed to meet the needs of all students regardless of physical ability.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 227 - Women's Health Issues (3.0)**

The purpose of this course is to examine major issues related to women's health with an emphasis on social, psychological, cultural, economic, political, and medical influences, particularly in the United States. Research, the translation of research into interventions, policy, and programs will be included.

Core: Foundations/PE/Health & Wellness

Offered: As Needed

**PE 228 - Life Wellness and Health (3.0)**

The physiological, sociological and psychological aspects of health are introduced. Emphasis is placed on developing self-responsibility for total wellness. Students will participate in classroom instruction, discussion and lab work.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

**PE 229 - Military Fitness (3.0)**

Students will learn a variety of physical fitness subjects including components of fitness, principles of exercise, phases of conditioning, and the types of fitness programs. Instruction will occur while students participate in a rigorous military style fitness schedule. Each month an Army Physical Fitness Test (APFT) will be administered. The test consists of three events: pushups, sit-ups, and a 2-mile run. Student fitness



levels will be assessed based on the U.S. Army standards for these events. By the end of the semester, students will also be evaluated on their ability to lead an entire military physical training session. Attendance and class participation will partially determine final grades.

Core: Foundations/PE/Health & Wellness

Offered: Fall Semester

### **PE 250 - Introduction to Exercise Physiology (3.0)**

Provides an introductory level knowledge of exercise science and exercise physiology. Emphasis will be on the history of exercise physiology, nutrition and energy supply for exercise, cardiovascular function and exercise, on the muscular types and exercise, and on the research methods in exercise science.

Core: Foundations/PE/Health & Wellness

Offered: Both Semesters

### **PE 335 - Assistantship in Physical Education (1.0 - 3.0)**

*Prerequisites: Junior or senior standing and permission of the department chair.* Supervised experiences related to teaching physical education, coaching an athletic team or gaining athletic training skills. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

### **PE 375 - Independent Study in Physical Education & Dance (1.0 - 3.0)**

*Prerequisites: 2 credits in physical education and permission of the instructor.* Intensive study in a specialized area of dance or physical education.

Offered: Either Semester

## **PH - PUBLIC HEALTH**

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### **PH 101 - Introduction to Public Health (3.0)**

This course provides an introduction to public health with the goal of promoting and preserving the health of communities or populations. Students will examine the history and philosophy of public health as well as its core values, concepts and functions across communities, populations and the globe. Topics include an overview of the history, philosophy, core functions and essential services and settings of public health, global health, cultural diversity, health disparities, health equity, epidemiology, evidence-based practice, communicable and chronic disease prevention and control, environmental health, health promotion and risk reduction, community assessment and planning, community/population health program implementation and evaluation, advocacy and policy making, disaster preparedness and response, health of aggregates and underserved populations.

Offered: Either Semester

### **PH 102 - Introduction to the US Healthcare System (3.0)**

This course provides an introduction to the U.S. Health Care System, including structure, economics and delivery. Students will examine the fundamental characteristics and organizational structure of the U.S. health system as well as the differences in systems in other countries.

Offered: Spring Semester

### **PH 201 - Research Methods in Public Health (3.0)**

*Prerequisite: PH 101 or permission of instructor*

This course provides an introduction to the study design, methods, and data collection associated with public health research, evaluation, and services. Topics include: measuring health outcomes; qualitative, quantitative and mixed method designs; clinical trials construction and design; questionnaire construction and semi-structured interviews; and evaluation of health initiatives. The ethical issues and limitations associated with various research methods are addressed.

Offered: Fall Semester

### **PH 202 - Biostatistics in Public Health (3.0)**

*Prerequisite: PH 201 or Permission of Instructor*

Introduction to basic principles and methods of biostatistics associated with public health practice. Descriptive and inferential statistics are covered including probability, descriptive statistics, inference for means/proportions and regression. Introduction to SPSS software for data entry and analysis. Possible topics associated with data analysis include epidemiology, health promotion and program evaluation. Emphasis is on application of statistical methods (versus calculations/formulas). This course meets the Core Curriculum Quantitative Literacy requirement.

Core: Computation/Quantitative Literacy

Offered: Spring Semester

### **PH 203 - Social/Behavioral Aspects of Pub Health (3.0)**

*Prerequisite: PH 101 or Permission of Instructor*

Examines health issues, scientific understanding of causes, and possible future approaches to control of the major environmental health problems in industrialized and developing countries.

Offered: Fall Semester

### **PH 204 - Environmental Health (3.0)**

*Prerequisites: PH 101 and BIOL 112 or Permission of Instructor*

Examines health issues, scientific understanding of causes, and possible future approaches to control of the major environmental health problems in industrialized and developing countries.

Offered: Spring Semester

### **PH 205 - Concepts of Disease/Population Health (3.0)**

*Prerequisite: PH 202 or Permission of Instructor*

The course will help students gain a broad understanding of the overarching principles of population health, and the role of public health professionals in improving health, disease prevention, and reducing health inequalities. An introduction to population health sciences and concepts of disease and disease prevention will be provided. Basic processes, approaches, and interventions that help public health professionals use to identify and address major health-related needs and concerns of populations will be emphasized.

Offered: Spring Semester

### **PH 301 - Public Health Communication/Marketing (3.0)**

*Prerequisite: PH 204 or Permission of Instructor*

This course will focus on multilevel communication strategies and interventions, such as tailored messages at the individual level, targeted messages at the group level, social marketing at the community level, media advocacy at the policy level, and media campaigns at the population level. From a marketing standpoint, public health communication strategies will be studied in combination with other intervention efforts, such as community organizing or coalition building,

to produce multilevel public health interventions. This course builds upon the core college competencies of written and oral communication in the context of public health.

Offered: Spring Semester

### **PH 302 - Epidemiology (3.0)**

*Prerequisite: PH 205 (can be taken simultaneously) or Permission of Instructor*

Epidemiology is the basic science of public health. It is a tool used to identify the determinants of defects, disease and injury in human populations and provide a means of assessing the magnitude of public health problems and the success of interventions designed to control them. Epidemiology is universally regarded as a discipline that is essential for understanding and solving public health problems. It requires students to develop the capacity to organize, analyze, interpret and communicate knowledge (and data) in an applied manner. It also requires an understanding of the biological, behavioral, sociocultural and environmental factors associated with the etiology and distribution of health and disease. Topics covered in this course include: basic principles of epidemiology; measures of disease frequency; epidemiologic study designs: experimental and observational; bias; confounding; outbreak investigations; screening; causality; and ethical issues in epidemiologic research. In addition, students will develop skills to read, interpret and evaluate health information from published epidemiologic studies.

Offered: Fall Semester

### **PH 303 - Regulatory Dimensions of Public Health (3.0)**

*Prerequisites: PH 203 and PH 204 or Permission of Instructor*

This course begins with an exploration of ethics, the moral relevance of health and the use of ethics in the assessment of health policy. Student will explore contemporary healthcare and public health policy issues and legislation (e.g. American Coverage Act, population-based exposure environmental toxins). Using the lens of ethical analysis to supplement other approaches to policy analysis, students will critically evaluate public health policy. Students will be introduced to microeconomic theory and empirical studies that will deepen understanding of how consumers, businesses, and the government influence healthcare expenditures (including its quantity and prices), healthcare quality, and patient health outcomes. Emphasis will be placed on the influences and responsibilities of the different agencies and branches of government.

Offered: Spring Semester

### **PH 445A - Public Health Capstone Experience 1A (4.0)**

*Prerequisite: Senior standing or Permission of Instructor*

PH 445A is a 4-credit supervised field practicum experience in a public health setting that emphasizes application of public health theories, methods, and techniques. Students will spend 250 hours in the field each semester and will be graded on a satisfactory or unsatisfactory basis.

Offered: Fall Semester

### **PH 445B - Public Health Capstone Experience 1B (2.0)**

*Prerequisite: Senior Standing or Permission of Instructor*

PH 445B is a 2-credit seminar course. Students will attend 16 weekly seminar meetings each semester and will receive a letter grade for their contributions. Students will present public health practice issues related to their field experience, provide constructive feedback and consultation

Offered: Fall Semester

### **PH 446A - Public Health Capstone Experience 2A (4.0)**

*Prerequisites: PH 445A and PH 445B or Permission of Instructor*

PH 446A is a 4-credit supervised field practicum experience in a public health setting that emphasizes application of public health theories, methods, and techniques. Students will spend 250 hours in the field each semester and will be graded on a satisfactory or unsatisfactory basis.

Offered: Spring Semester

## **PHIL - PHILOSOPHY**

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### **PHIL 200 - Contemporary Philosophical Topics (3.0)**

This course introduces students to philosophy through a discussion of problems and issues of concern to philosophers today. Sample topics include contemporary discussions of ethics and the virtues, such as courage, conceptions of evil, just war and terrorism, and the nature and extent of human knowledge.

Core: Philosophical Inquiry

Offered: Both Semesters

### **PHIL 203 - Philosophical Issues in Feminism (3.0)**

This course considers various feminist perspectives on issues concerning sex, gender, gender roles, ethics (particularly reproductive ethics), embodiment, epistemology, family, motherhood, law and politics. A majority of the readings cover contemporary perspectives, though theoretical topics and historical thinkers are also typically included.

Core: Philosophical Inquiry

Offered: Spring Semester (Even Years)

### **PLRL 205 - Classical Religion & Philosophy (3.0)**

This course introduces students to the fundamental concepts of Greco-Roman religion and philosophy. Students are introduced to the ancient world first via its public and private religious practices and then via its philosophical perspectives on issues such as free will, ethical conflicts and the nature of the just person and the just state.

Core: Philosophical Inquiry

Offered: As Needed

### **PHIL 207 - Logic (3.0)**

*Credit by exam.* This course is an introduction to informal logic, which uses ordinary language to identify and evaluate arguments and to identify and avoid common fallacies, and to formal symbolic logic, which uses symbolic notation and inference and equivalence rules to prove the deductive validity of arguments. (Recommended for students taking the LSAT.)

Offered: Fall Semester

### **PHIL 211 - Philosophy Through Film (3.0)**

This course uses films to introduce students to some contemporary philosophical problems and issues. Topics covered may include issues in epistemology, metaphysics, personal identity, philosophy of mind, ethics, and existentialism. Particular attention will be given to questions concerning meaning and value.

Core: Philosophical Inquiry

Offered: Spring Semester (Odd Years)

**PHIL 212 - Human Nature and Society (3.0)**

An inquiry into the nature and possibilities of human beings and a critical analysis of the meaning of responsibility in society. Study will focus on matters of practical as well as theoretical import (e.g. leadership, ideal communities).

Core: Philosophical Inquiry

Offered: As Needed

**PLRL 219 - Ethics & Leadership (3.0)**

Ethics and leadership in key areas of society: e.g., education, religion, the military, corporations, and politics. The focus is on key principles of conduct and relevant virtues, such as courage, faith, humility, fortitude, and prudence. Theory and practice will be analyzed together, as examples will be drawn from important historical episodes.

Core: Philosophical Inquiry

Offered: As Needed

**PHIL 220 - Professional Ethics (3.0)**

This course introduces students to the variety of ethical challenges that confront professionals in such fields as law, journalism, business and management. Students critically examine issues in professional ethics primarily by applying moral theories to practical case studies.

Core: Philosophical Inquiry

Offered: As Needed

**PHIL 221 - Ethics (3.0)**

A critical study of classical and contemporary ethical theories on the topics of ethical relativism, free will and determinism, and the source and justification of moral values. The relevance and applicability of these theories to the solution of pressing contemporary moral problems are emphasized.

Core: Philosophical Inquiry

Offered: Both Semesters

**ENPL 267 - Thematic Studies: Vice and Virtue (3.0)**

*Prerequisite: Completion of the Composition area of the core with a grade of C- or above.* Through analysis and discussion of selected works of great literature, students will examine themes of vice and virtue. Topics may include the relation between individual and community, evil, ends and means, the good life, and moral conflict. (H2, CT)

Core: Literature

Offered: As Needed

**PLRL 301 - Indian Thought (3.0)**

*Prerequisite: Completion of the Philosophical Inquiry section of the Core.* An introduction to the religious and philosophical traditions of India. Special emphasis will be given to the Upanishads and Bhagavad Gita, the classical philosophical systems and the mythologies of Hinduism and to the Buddhist traditions of South Asia.

Core: Global Perspectives

Offered: As Needed

**PHIL 305 - Great Figures in Western Political Thought (3.0)**

*Prerequisite: Completion of a course in philosophy: PHIL 200, PHIL 203, PLRL 205, PHIL 212, PHIL 221, PLRL 301, PLRL 306 or PHIL 319.* This course introduces students to the philosophical texts and ideas of an important historical figure or of a group of closely related thinkers

in the history of philosophy. Students may repeat when a study of a different figure is offered.

Offered: As Needed

**PLRL 306 - Chinese Thought (3.0)**

*Prerequisite: Completion of the Philosophical Inquiry section of the Core.* An introduction to the religious and philosophical traditions of China from the Shang dynasty to the modern era. Special emphasis is given to the role of ancestor veneration, ritual, social and political ethics, the development of the Confucian and Daoist traditions, the global diaspora of Confucianism, and the encounter of Confucianism with modernity (including the modern West).

Core: Global Perspectives

Offered: As Needed

**PHIL 307 - History of Philosophy: The Ancient World to the Renaissance (3.0)**

*Prerequisite: Completion of a course in philosophy: PHIL 200, PHIL 203, PLRL 205, PHIL 212, PHIL 221, PLRL 301, PLRL 306 or PHIL 319.* This course introduces some of the significant Western philosophical texts and thinkers from the ancient world to the Renaissance. The philosophical works of Plato, Aristotle, Augustine, Cicero, Anselm and Aquinas, as well as topics in political philosophy, ethics, epistemology, religion, metaphysics and philosophy of law, are typically covered.

Offered: As Needed

**PHIL 308 - History of Philosophy: The Early Modern Era to the 20th Century (3.0)**

*Prerequisite: Completion of a course in philosophy: PHIL 200, PHIL 203, PLRL 205, PHIL 212, PHIL 221, PLRL 301, PLRL 306 or PHIL 319.* This course introduces some of the primary texts and thinkers of Western philosophy from the 17th century to the 20th century. Thinkers covered typically include Descartes, Hobbes, Locke, Hume, Kant, Hegel, Marx, Kierkegaard and Nietzsche. Topics include philosophical issues in epistemology, metaphysics, ethics and political theory.

Offered: Spring Semester (Even Years)

**PHIL 315 - Literature of Moral Reflection (3.0)**

*Prerequisite: Completion of the Philosophical Inquiry area of the Core or permission of the instructor.* Through analysis and discussion of works of great literature, students will examine questions concerning human nature and ethical responsibility. Authors may include Tolstoy, Greene, Hurston, Marx, Golding, Camus, Sophocles and C.S. Lewis.

Cross-Listed as: Also offered as HON 315

Offered: As Needed

**PHIL 316 - Perspectives in Global Health (3.0)**

*Prerequisites: Completion of the Scientific Thought and Philosophical Inquiry areas of the Core.* This course examines basic advances in genetics, reproductive medicine and in combating infectious diseases and explores their ethical implications, particularly for non-Western cultures. Students use a case study approach to consider topics like genetics, epidemics, euthanasia and reproductive technology from a global, non-Western perspective.

Cross-Listed as: Also offered as HON 316

Core: Global Perspectives

Offered: As Needed

**PHIL 319 - Biomedical Ethics (3.0)**

*Prerequisites: One course from the Scientific Thought section of the Core.*

This course takes a philosophical and scientific approach to understanding current ethical issues in medicine and covers topics such as abortion, euthanasia, genetic engineering, genetic testing, informed consent, organ transplantation and experimentation with human subjects.

Core: Philosophical Inquiry

Offered: As Needed

**PHIL 360 - Topics in Ancient Greek Philosophy (3.0)**

*Prerequisite: Completion of a course in philosophy: PHIL 200, PHIL 203, PLRL 205, PHIL 212, PHIL 221, PLRL 301, PLRL 306 or PHIL 319.* This course considers topics in ancient Greek philosophy, such as Aristotle's Ethics and Plato's Republic. Students may repeat the course when it is taught under a different topic.

Offered: As needed

**PHIL 375 - Independent Study in Philosophy (1.0 - 3.0)**

*Prerequisites: 6 credits in philosophy and permission of the instructor.* Students work independently on some philosophic subject matter selected in consultation with the department. Reports and papers are given during the semester.

Offered: Both Semesters and Summer

**PHIL 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

**PHIL 399 - Internship (3.0 - 6.0)**

*Prerequisites: 18 credits in philosophy and permission of the department.* Participation in a supervised off-campus educational project that provides students with an opportunity to exercise philosophical reflection in a nonacademic setting. Credit requires submission of written work discussing the philosophical issues and/or implications of the work done in the internship. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**PLRL 470 - Senior Seminar (3.0)**

*Prerequisites: 9 credits in religion and/or philosophy or permission of the instructor.* Advanced study of special topics in religion or philosophy.

Cross-Listed as: Double-numbered course; offered with graduate-level PLRL 570

Offered: Fall Semester As Needed

**PLRL 497 - Critical Paper (1.0)**

*Prerequisites: 21 credits in religion or philosophy, junior or senior standing and permission of the instructor.* Credit for a critical paper is earned by substantially expanding and revising a paper the student has written for a previous course in Philosophy or Religious Studies. The final critical paper of 15 to 20 pages is to be revised under the supervision of a departmental faculty member and defended before departmental faculty and students.

Offered: Either Semester

**PHIL 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## PHSC - PHYSICAL SCIENCE

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**PHSC 101 - An Introduction to Physical Science (4.0)**

*Prerequisites: MATH 099 or Level Ib placement on Basic Math Skills Inventory*

PHSC 101 An introductory course to explore physical science. The student will become knowledgeable with contributions and basic vocabulary of the physical sciences to everyday phenomena and experiences. The course is discovery-based. Basic math skills will be used.

Core: Scientific Thought-Lab

Offered: Fall

## PHYS - PHYSICS

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*A grade of "C-" or above in prerequisite courses is required.*

**PHYS 101 - General Physics (4.0)**

*Prerequisite: Level III placement on the Basic Math Skills Inventory or MATH 120. Credit by exam.* An introduction to the principles of physics: kinematics, mechanics, rotational motion, mechanical waves, sound and thermodynamics; the development of physical laws; application to practical problems.

Core: Scientific Thought-Lab

Offered: Fall Semester

**PHYS 102 - General Physics (4.0)**

*Prerequisite: PHYS 101. Credit by exam.* A continuation of PHYS 101. Wave motion, electricity, magnetism, static and time varying fields, light and optical phenomena, lenses; application to practical problems.

Core: Scientific Thought-Lab

Offered: Spring Semester

**PHYS 203 - Introductory Physics I (4.0)**

*Prerequisite: MATH 201 or concurrent enrollment in MATH 201. Credit by exam. Open to students who have not had PHYS 101.* Topics essentially identical to those in PHYS 101, although this is a more analytical course that is primarily for majors in the sciences and mathematics. Physical laws and theories developed by application of calculus. Designed to prepare students for advanced work in the physical sciences.

Core: Scientific Thought-Lab

Offered: Fall Semester

**PHYS 204 - Introductory Physics II (4.0)**

*Prerequisites:* PHYS 203 and MATH 202, or concurrent enrollment in MATH 202. Credit by exam. Open to students who have not had PHYS 102. Continuation of PHYS 203. Topics essentially identical to those in PHYS 102, but continuing the analytical approach and use of calculus.

Core: Scientific Thought-Lab

Offered: Spring Semester

**PHYS 222 - Introduction to Modern Physics (3.0)**

*Prerequisites:* PHYS 101, PHYS 102 or PHYS 203, PHYS 204 and MATH 201, MATH 202. A study of selected topics from atomic theories of matter, atomic spectra, special relativity, solid state and nuclear physics.

Offered: Fall Semester (Odd Years)

**PHYS 223 - Analog & Digital Electronics (4.0)**

*Prerequisites:* PHYS 204. Analog and digital circuits including diodes, transistors, mathematical circuit analysis, operational amplifiers, digital logic gates, flip-flops, registers, counters, analog-to-digital converters, digital-to-analog converters, and development of the central processing unit (CPU).

Offered: As Needed

**PHYS 270 - Physical Science Literature (3.0)**

*Prerequisite:* PHYS 203. An introduction to the literature in the physical sciences. Database searches and journal article critiques will allow students to develop an understanding of the chemical, biochemical, and physics literature, which can then be applied in their future coursework.

Cross-Listed as: Also offered as CHEM 270

Offered: Spring Semester

**PHYS 324 - Mechanics (3.0)**

*Prerequisites:* PHYS 101, PHYS 102 or PHYS 203, PHYS 204, and MATH 201, MATH 202. A mathematical study of statics and dynamics of particles and rigid bodies including work and energy, stability of equilibrium, motion under the action of a central force, fixed axis rotation and oscillatory motion.

Offered: Spring Semester (Even Years)

**PHYS 325 - Electricity & Magnetism (3.0)**

*Prerequisites:* PHYS 101, PHYS 102 or PHYS 203, PHYS 204 and MATH 201, MATH 202. Topics chosen from among electrostatics, Gauss' law, dielectrics, steady current, magnetic field of a current, motion of a charge in a magnetic field, electromagnetic induction, Maxwell's equations, magnetic material, Poynting vector and electromagnetic radiation.

Offered: Fall Semester (Even Years)

**PHYS 327 - Optics (4.0)**

*Prerequisites:* PHYS 204. Geometrical and wave optics including interference, diffraction, polarization, scattering, and other phenomena of light; optical spectroscopy. Lab activities will include classic optics experiments and introduction to lasers, photon scattering, and Fourier optics.

Offered: As Needed

**PHYS 335 - Teaching Assistantship in Physics (1.0 - 2.0)**

*May be repeated for a maximum of 4 credits.* An opportunity for qualified students to assist in PHYS 101, PHYS 102, PHYS 203 and/or PHYS 204 by tutoring students, correcting problem sets and/or helping set up

equipment for the laboratory in these courses. Assistants work under the supervision of the physics faculty and are selected by the department.

Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**PHYS 350 - Topics in Advanced Physics (3.0)**

*Prerequisites:* PHYS 222. An introduction to medium energy (nuclear) and high energy (particle) physics. Discussion of the nuclear model, nucleon-nucleon forces, the Standard model, quarks, leptons, and bosons. Fenyman diagrams, symmetry and conservation laws.

Offered: As Needed

**PHYS 351 - Advanced Physics Laboratory (2.0)**

*Prerequisites:* PHYS 222. The course provides an opportunity for making measurements with complex physics equipment to learn both classical and modern physics experiments. The student will gain practice in communicating results in both written and oral formats.

Offered: As Needed

**PHYS 375 - Independent Study (1.0 - 3.0)**

*Prerequisites:* 6 credits of 200-level coursework in physics, and permission of the department. Independent study, reading and problems in a selected field of physics.

Offered: Both Semesters and Summer

**PHYS 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

**PHYS 431 - Quantum Mechanics (3.0)**

*Prerequisites:* PHYS 351. Introduction to quantum mechanics, atomic and molecular structure and spectroscopy.

Cross-Listed as: Also offered as CHEM 431

Offered: Fall Semester

**PHYS 432 - Thermodynamics & Statistical Mechanics (3.0)**

*Prerequisite:* PHYS 431. A continuation of PHYS 431. A study of statistical methods, thermodynamics and kinetics.

Cross-Listed as: Also offered as CHEM 432

Offered: Spring Semester

**PHYS 433 - Quantum Mechanics Laboratory (1.0)**

*Prerequisites:* Concurrent enrollment in PHYS 431 or permission of the instructor. Investigation of atomic and molecular structure and spectroscopy in a series of laboratory experiments and computer-based exercises.

Cross-Listed as: Also offered as CHEM 433

Offered: Fall Semester

**PHYS 434 - Thermodynamics & Statistical Mechanics Laboratory (1.0)**

*Prerequisite:* Concurrent enrollment in PHYS 432 or permission of the instructor. Principles of statistical mechanics, thermodynamics, and kinetics are investigated in a series of experiments and computer-based simulations.

Cross-Listed as: Also offered as CHEM 434

Offered: Spring Semester

## **PSCI - POLITICAL SCIENCE**

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### **PSCI 200 - Political Violence and Terrorism (3.0)**

An in-depth examination of the causes and patterns of modern terrorism and reactions intended to achieve justice. Students will investigate case studies of recent occurrences of terrorism and responses. Central themes will include retribution vs. reconciliation, state-sponsored terrorism, and/or international tribunals.

Offered: Fall Semester and Summer

### **PSCI 202 - Women & Politics (3.0)**

This course examines politics from a gendered perspective with an emphasis on how gender interacts with race, class and sexuality to impact women as political beings and focuses on women's political participation in radical social movements.

Core: Social and Behavioral Analysis

Offered: Fall Semester

### **PSCI 203 - Introduction to U.S. Politics (3.0)**

*Credit by exam.* An introduction to the U.S. system of government and its policy process. Will explore the foundations and structure of the government, the way in which policy is crafted in the U.S. governmental institutions and other electoral processes including elections.

Core: Social and Behavioral Analysis

Offered: Both Semesters

### **PSCI 205 - Methods of Political Inquiry (3.0)**

*Prerequisite: Any 3 credits of social science or permission of the instructor. Sophomore standing required. For political science majors, PSCI 203 or PSCI 210 is recommended.* This course introduces students to a variety of quantitative and qualitative research methods used in political science. Students learn the tools needed to conduct original research. Among the topics to be covered are: survey research, interviewing, content analysis, historical analysis and legal analysis.

Offered: Spring Semester

### **PSCI 210 - Comparative Politics (3.0)**

An introduction to the methods of comparative inquiry with close examination of select western democracies, communist, post-communist and developing countries. Comparisons of historical processes, governmental institutions and current public policy challenges.

Core: Global Persp & Social Behav Analysis

Offered: Spring Semester

### **PSCI 215 - International Relations (3.0)**

An introduction to the theories and current issues of international relations. Attention given to tension between nationalism and transnationalism and to modern phenomena such as the international economy and the global environment.

Core: Global Perspectives

Offered: Fall Semester

### **PSCI 219 - Model United Nations (1.0)**

The Model United Nations is a national and professional organization that hosts an annual simulation experience in New York City every spring. Participants assume the role of a delegate from another country, craft, and submit position papers. The course provides critical preparation for the simulation experience.

Offered: Spring Semester (Even Years)

### **PSCI 220 - Maryland Student Legislature (1.0)**

*Prerequisite: Permission of the instructor.* The MD Student Legislature is a student-run organization that brings together students from Maryland universities to conduct two legislative simulations per semester. Participants assume the role of the legislator, craft and submit legislation and shepherd bills through committee and floor debate. *Grading is on S/U basis. May be repeated for a total of 4 credits.*

Offered: Both Semesters

### **LWPS 230 - Introduction to Law (3.0)**

Law and the legal system in the United States. The impact of legal institutions on society. The law as a reflection of political, economic and social values.

Core: Social and Behavioral Analysis

Offered: Both Semesters

### **AFPS 240 - African American Politics (3.0)**

An examination of African-American political activity in the 20th century. African-American participation in the U.S. electoral process and the power structure in African-American communities.

Offered: As Needed

### **PSCI 299 - Special Topics in Political Science (3.0)**

*Prerequisite: PSCI 203.* This course will be a general topics course in political science allowing faculty and students to study particular special interests in politics.

Offered: As needed

### **AFPS 301 - African-American Political Autobiography (3.0)**

*Prerequisite: 3 hours in African-American history, literary criticism or politics, or permission of the instructor.* This course examines the connections between autobiography, political philosophy, utopian thought and politics in African-American autobiographies analyzing to determine the criticisms authors launched against their societies, the social and political alternatives suggested and the agencies they suggested be mobilized to institute change.

Core: Historical Analysis

Offered: As Needed

### **PSCI 302 - 9/11 in Global Perspective (3.0)**

*Prerequisites: PSCI 200 or PSCI 215 or permission of instructor.* This course explores the philosophical motives of Al Qaeda, the U.S. government's institutional responses and failures, creation of a 9/11 commission, the compromise to constitutional rights and law, the effect on political attitudes and popular culture, the ensuing Afghan and Iraq wars, and the international community's response to the tragedies of that day.

Offered: Spring Semester

**PSCI 303 - Public Policy Analysis (3.0)**

*Prerequisite:* PSCI 203 or permission of instructor. Students will explore the public policy-making process and engage in public policy analysis, focusing on the theories of public policy formation and the institutions involved in the policy making process. The course will focus on several case studies of substantive policy areas.

Offered: Spring Semester

**PSCI 304 - Philanthropy and Civic Life (3.0)**

*Prerequisites:* Successful completion of the Social and Behavioral Analysis or Historical Analysis areas of the Core or permission of the instructor. The course examines the political and practical aspects of philanthropy. Attention is given to the responsibilities of democratic citizenship, the merits of strategies for change and the relationship between scholarly inquiry and direct action. Students will study a community-based organization.

Core: Philosophical Inquiry

Offered: Spring Semester

**PSCI 305 - U.S. Foreign Policy (3.0)**

*Prerequisite:* PSCI 203 or PSCI 215. Review of the contemporary U.S. foreign policy-making process. Emphasis on the history of the U.S. foreign policy, the conflict between the executive and the legislative branches, the role of interest groups and recent foreign policy crises.

Offered: Fall Semester (Even Years)

**PSCI 307 - American Constitutional Law (3.0)**

*Prerequisite:* CJ 230, LWPS 230 or PSCI 203 or permission of the instructor. The powers of the state and national governments as interpreted by leading decisions of the Supreme Court of the United States. The development of modern constitutional doctrines.

Offered: Fall Semester

**PSCI 308 - Criminal Law (3.0)**

*Prerequisite:* LWPS 230. This course addresses the substantive study of criminal law, how society declares what conduct is criminal and what punishment should be imposed for such conduct. Such questions as what effect does heredity, environment, poverty, urban life, lack of education and unemployment have on the proclivity for criminal behavior will be examined.

Offered: Fall Semester

**PSCI 309 - Grants Writing and Fundraising for Nonprofit Organizations (1.0)**

*Prerequisite:* PSCI 304 or permission of the instructor. Introduction to the basic concepts of grant writing and fund-raising in the corporate and public sectors for nonprofits.

Offered: Spring Semester

**PSCI 313 - Great Political Trials (3.0)**

*Prerequisite:* LWPS 230 or permission of the instructor. This course analyzes great political trials that have reflected the political controversies of their time. Western tradition of law and legal analysis through trials held in the United States, France and England will be examined and contrasted and compared with trials held under socialist, Islamic and indigenous political systems.

Cross-Listed as: Also offered as HON 313

Offered: (As Needed)

**PSCI 317 - Urban Politics (3.0)**

*Prerequisite:* PSCI 203. The course examines the politics of urban areas theoretically and considers some of the classical explanations used to explain how they are governed. The course also examines cities historically, with consideration paid to the growing divide between the haves and the have-nots in U.S. cities and the growing inequalities that are based on race, gender and class.

Offered: Spring Semester (Odd Years)

**PSCI 320 - The American Presidency (3.0)**

*Prerequisite:* PSCI 203 or permission of the instructor. This course analyzes the development of the modern presidency in the United States, the structure of the institution, and presidential elections. It assesses how presidents make decisions and shape policy and their relationships with Congress, the courts, and the public.

Offered: As needed

**PSCI 323 - Politics of the Developing World (3.0)**

*Prerequisite:* PSCI 210 or PSCI 215. Political regimes in the developing nations of Asia, Africa, the Middle East and Latin America.

Core: Global Perspectives

Offered: Spring Semester (Odd Years)

**PSCI 324 - U.S. Campaigns and Elections (3.0)**

*Prerequisite:* PSCI 203 or permission of the instructor. An analysis of U.S. campaigns and elections. Emphasis on the role that parties, interest groups and media play in our electoral system.

Offered: Fall Semester (Even Years)

**PSCI 325 - Field Work in Politics (2.0 - 3.0)**

*Prerequisite:* Permission of the instructor. Designed to acquaint the student with political activity. Supervised work with political campaign of student's choice.

Offered: As needed

**PSCI 327 - Frederick, MD: From Colony to Suburb (3.0)**

*Prerequisites:* Completion of the Social and Behavioral Analysis area of the Core. Open to political science majors or with permission of the instructor. Frederick City will be studied from the perspectives of art, demography, economics, history, literature, race, politics and sociology. The evolution of Frederick City from a frontier colony to a suburb of Washington, DC will be examined in the light of regional, national and global forces,

Cross-Listed as: Also offered as HON 327

Offered: As Needed

**PSCI 332 - Ancient Medieval Political Thought (3.0)**

*Prerequisite:* Fulfillment of the Historical Analysis section of the Core or permission of the instructor. A critical examination of the political writings of classical and medieval philosophers. Emphasis will be on the development and evolution of concepts such as democracy, justice, citizenship, community and the relationship between church and state.

Offered: As Needed

**PSCI 333 - Modern Political Thought (3.0)**

*Prerequisite:* PSCI 203 or permission of the instructor. Open to juniors and seniors. Development of political ideas from Machiavelli to the present day. Analysis of the great political traditions in the context of

contemporary problems. Democratic liberalism, socialism, fascism and communism.

Offered: Spring Semester

**PSCI 335 - Teaching Assistantship in Political Science (1.0)**

*Prerequisites: Junior or senior standing, PSCI 203 and permission of the department.* The assistant attends classes, tutor students, show films and participates in periodic conferences with the instructor and other teaching assistants, and may include assisting in other class-related projects, such as organizing field trips, speakers and discussion sessions. May be taken only once. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**PSCI 336 - Gender and the Law (3.0)**

*Prerequisite: PSCI 203, PSCI 307 or permission of the instructor.* A study of the various areas of sex-based legal discrimination and an examination of the relevant cases and statutes.

Offered: Spring Semester

**AFPS 353 - Contemporary African Political Thought (3.0)**

*Prerequisite: HIST 246 or AFPS 350 or completion of the Philosophical Inquiry section of the Core.* An introduction to African political thought from the pre-colonial period to the present. Emphasis will be given to the impact of Islam, cultural nationalism, nationalism, revolutionary theories, democracy, African socialism and Marxism of major African political theorists.

Core: Global Perspectives

Offered: As Needed

**PSCI 354 - African Political Autobiography (3.0)**

*Prerequisite: HIST 246, AFPS 353, or completion of the Philosophical Inquiry section of the Core.* This course explores the connections between autobiography, political philosophy and politics in African autobiographies. Selections from the 17th to the 21st centuries will be analyzed by authors from East, North, Central and Southern Africa to determine how they criticized their societies, suggested social and political alternatives and promoted social change

Cross-Listed as: Also offered as HON 354

Core: Global Perspectives

Offered: As Needed

**PSCI 356 - Jamestown: Commemoration and Interpretation (3.0)**

*Prerequisites: Completion of the Social and Behavioral Analysis category of the Core. Open to political science majors.* This course will explore the ways in which national historical events are commemorated with specific reference to the 2007 Jamestown celebrations. The issues of race, politics, and gender will be examined as well as the ways in which the founding of Jamestown is represented in film and literature.

Cross-Listed as: Also offered as HON 356

Offered: Fall Semester (As Needed)

**PSCI 375 - Independent Study in Political Science (1.0 - 3.0)**

*Prerequisite: Permission of the department.* A readings course to supplement the regular offerings of the department. Conferences and written reports.

Offered: Both Semesters and Summer

**PSCI 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

**PSCI 399 - Internship in Political Science (3.0 - 15.0)**

*Prerequisites: 18 credits in political science and permission of the instructor. Note: only 3 credits from PSCI 399 count toward the 30 credits of political science required for majors.* An introduction to political behavior in a legal or policy-making setting through supervised full- or part-time work for a complete semester or an equivalent summer term (14 weeks). Students may be placed in a variety of settings: governmental or legislative offices, the court system, interest groups or research organizations. Grading is S/U.

Offered: Both Semesters and Summer

**PSCI 399C - Internship Colloquium in Political Science (1.0)**

*Co-Requisite: PSCI 399.* The class will meet on a regular basis, read the assigned materials, process the internship experience with reference to the courses they have completed in the discipline, and present their experiences at the end of the semester. This course is mandatory for all students taking an internship for the first time. For a second internship, it is optional. Grading is S/U.

Offered: Both Semesters

**PSCI 405 - Civil Liberties (3.0)**

*Prerequisites: 12 credits of political science, history and sociology, including PSCI 203 and SOC 101, and permission of the instructor.* The theory and history underlying civil liberties in contemporary American culture. Cases and readings. Freedom of expression and association, freedom of religion, fair trial and rights of the accused.

Cross-Listed as: Double-numbered course; offered with graduate-level PSCI 505

Offered: Fall Semester

**LWPS 406 - International Law (3.0)**

*Prerequisites: PSCI 215 or LWPS 230 or PSCI 307, or permission by instructor.* This course will investigate the basic question underlying the debate over the utility of international law. The influence of global civil society, multinational corporations, and other non-state actors in the development and application of international law will be examined

Offered: As Needed

**ECPS 414 - Environmental Policy (3.0)**

*Prerequisites: PSCI 203, PSCI 210 or PSCI 215 and ECON 310 or permission of the instructor.* This is a comparative course on the making and implementing of environmental policies in developed and developing countries. The focus is on the evolution of environmental policymaking and on the problems associated with implementing environmental policies in different political and institutional contexts.

Cross-Listed as: Double-numbered course; offered with graduate-level ECPS 514

Offered: Spring Semester (Even Years)

**PSCI 470 - Seminar on Politics (3.0)**

*Prerequisites: PSCI 205 and senior standing or permission of the department.* This is the capstone course required of all political science



majors. It is an intensive study of political topics which will vary each year. Presentation of oral reports and preparation of research papers.

Offered: As Needed

### **PSCI 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## **PSY - PSYCHOLOGY**

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*Undergraduate students enrolling in undergraduate psychology courses must have earned a grade of "C-" or higher in each prerequisite course.*

### **PSY 101 - Introduction to Psychology (3.0)**

*Credit by exam.* An introduction to the basic methods, principles and facts of modern psychology contributing to an understanding of human behavior and experience. Selected students may be eligible for an honors section of this course.

Core: Social and Behavioral Analysis

Offered: Both Semesters

### **PSY 103 - Psychomythology: Psychology, Media, Science, and Pseudoscience (3.0)**

Exploration of how psychological topics are represented and misrepresented in the media and how this leads to the creation and perpetuation of psychological myths. Evidence for and against common psychological myths as well as common properties of scientific misconceptions are reviewed. Emphasis is on becoming a skilled consumer of psychological information presented in the media.

Core: Social and Behavioral Analysis

Offered: Summer as Needed

### **PSY 203 - Survey of Clinical, Community and Counseling Psychology (3.0)**

*Prerequisite: PSY 101.* An introduction to the practice of psychology as applied to the prevention, assessment and treatment of mental health problems. Focus is on such topics as the theoretical bases for therapeutic skills and methods, principles and ethics of testing and treatment, historical and current issues and trends and the relevance of research to application.

Offered: As Needed

### **PSY 204 - Psychology of Death (3.0)**

Review of the psychological aspects of death, dying, and bereavement. Topics include euthanasia, suicide, the grief process, fears and attitudes toward death, coping with dying, and developmental perspectives. Emphasis is on helping individuals deal with this inevitable event in an open and honest way.

Offered: Both Semesters

### **PSY 205 - Social Psychology (3.0)**

The scientific study of the social behavior of individuals as they interact with others. Topics include: perception of others, affiliation, interpersonal attraction, aggression, small group dynamics, leadership, conformity, conflict, group decision making and productivity, altruism, attitude formation and change.

Offered: Both Semesters

### **PSY 206 - Psychology of Women (3.0)**

*Prerequisite: PSY 101.* A survey of biological and environmental factors that affect the development of behaviors, attitudes and personality traits in women at different stages in their life cycle. Theoretical and empirical approaches to a better understanding of the values, goals, problems and abilities of women will be considered.

Offered: As Needed

### **PSY 208 - Psychology of Adolescence (3.0)**

*Prerequisite: PSY 101.* The psychological development of the normal individual from the beginning of puberty to the attainment of maturity. Research findings are examined for the purpose of understanding and guiding the development of adolescents in the home, the school, the peer group and the community

Offered: Fall Semester

### **PSY 211 - Elementary Statistics (3.0)**

*Prerequisite: Level IB placement on the Basic Math Skills Inventory or MATH 098 or equivalent mathematics background. Not open to students who have received credit for ECMG 212, MATH 112, MATH 112W, MATH 213 or SOC 261.* Statistical methods, including frequency distributions and graphing, averages, measures of variability and correlation, t-tests, analysis of variance and several distribution-free tests. Examples are drawn from the social, behavioral and biological sciences.

Core: Computation/Quantitative Literacy

Offered: Both Semesters

### **PYSO 221 - Social Gerontology (3.0)**

*Prerequisite: PSY 101 or SOC 101.* A study of the social aspects of aging. This course explores the role of aged individuals within society and the influence society has on them. Topics include health, income, housing, family relationships, retirement, leisure and institutionalization.

Offered: Fall Semester (Odd Years)

### **PSY 239 - Developmental Psychology (3.0)**

*Prerequisite: PSY 101.* Introduction to the basic concepts and issues of psychological and biological growth and development from conception to old age. Emphasis placed on biophysical, cognitive and psychosocial development throughout the lifetime, and the important roles of gender and culture in this process. Applied aspects of developmental psychology are emphasized.

Offered: Both Semesters

### **AFPY 270 - African American Psychological Perspectives (3.0)**

This course will explore the theories, research and practices of African-American psychology. Themes include the definition and development of African-American psychology, identity and personality formation of African-Americans, and historical and current issues affecting the lives of African Americans.

Offered: Spring Semester

**PSY 300 - Cognitive Psychology (3.0)**

*Prerequisites: PSY 101 and junior standing.* Cognitive psychology is the scientific study of the mind. Our mind creates and controls mental functions, such as memory, perception, attention, language, emotions, and reasoning. Our mind also creates representations of our world so that we can act within it to achieve our goals. This course will look at all these interesting areas of study.

Offered: Fall Semester

**PSY 301 - Human Memory (3.0)**

*Prerequisites: PSY 101 and junior standing.* A review of the current theories, methods, and research in human memory, including working memory, encoding and retrieval, implicit and multiple memory systems, memory disorders, memory improvement, and the repressed memory controversy.

Offered: Spring Semester

**PSY 302 - Psychology and Law (3.0)**

*Prerequisite: PSY 101 and junior standing or permission of the instructor.* A study of psychological theory and empirical research as it relates to the law. Topics include eyewitness memory, repressed and false memories, interrogations and confessions, jury decision-making, criminal responsibility and intent, competence, rehabilitation and ethical and legal responsibilities in therapy and psychological research.

Offered: Fall Semester

**PSY 312 - Research Methods I (4.0)**

*Prerequisites: PSY 101 or its equivalent and PSY 211 (C- minimum grade).* This integrated lecture and lab survey course exposes students to a variety of research methods, including correlational, quasi-experimental, experimental, single-case, and qualitative designs. Students collectively create and administer a survey as well as individually code, analyze, and interpret the data collected from it. PsydNFO and APA writing style tutorials provided.

Offered: Fall Semester

**PSY 315 - Research Methods II (4.0)**

*Prerequisites: PSY 312 (C- minimum grade).* This integrated lecture and lab course exposes students to more advanced experimental research designs, including simple and factorial between participant, within participant, and mixed designs. Each student conducts his/her own experiment, reviewing the research literature, collecting and analyzing data from a minimum of 60 participants, writing a manuscript, and presenting a poster to the college community.

Offered: Spring Semester

**PSY 319 - Drugs & Behavior (3.0)**

*Prerequisite: PSY 101 or permission of the instructor.* Examines the major classes of drugs that affect behavior, including drugs of abuse and drugs used in the treatment of mental disorders. The course includes exploration of the historical background of drugs and drug use, as well as social context.

Offered: Fall Semester

**PSY 335 - Teaching Assistantship in Psychology (1.0 - 3.0)**

*Prerequisites: Completion of PSY 101, 12 credits of psychology and the course for which the student will serve as a teaching assistant, and permission of the instructor.* A teaching practicum in PSY 101 for advanced psychology majors. Regularly scheduled hours will include

meeting with course instructor regarding teaching experiences, methods, and issues, administration of quizzes/tests, tutoring, and guest lecturing. Relevant reading and a paper will be required. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**PSY 370 - Seminar in Contemporary Issues (3.0)**

*Prerequisite: Junior standing or permission of department.* The study of selected issues and/or social problems that are of interest to psychologists. Each issue will be examined from the various perspectives of specialists within the discipline. Students will participate through readings in primary sources, individual reports, discussion and possible field work.

Offered: Either Semester

**PSY 370A - Seminar: Introduction to Counseling (3.0)**

*Prerequisite: PSY 101 and junior standing or permission of department.* This course provides an overview of counseling theory and practice. Students will learn about professional and ethical issues, history and status of counseling as a profession, major schools of counseling theory and practice, client needs throughout the lifespan, basic counseling and case conceptualization skills, and present and future work settings of counselors.

Offered: Both Semesters

**PSY 370C - Seminar: Death and Dying (3.0)**

*Prerequisite: Junior standing or permission of department.* This course focuses on how people's conceptions of dying, death, and bereavement have changed over the centuries, as well as on how they are experienced by various cultures, ethnic groups, and religions (including religious traditions surrounding death, cross-cultural mourning practices, and diverse philosophies of the role of death in life).

Offered: As needed

**PSY 370E - Sem: Psychology of Human Sexuality (3.0)**

*Prerequisite: Junior standing or permission of department.* This course will focus on the psychological, physical, and social aspects of human sexuality, addressing issues such as research methods, female and male anatomy, arousal and response, gender identity and roles, attraction, communication, sexual orientation, conception/pregnancy/childbirth, contraception and abortion, sexuality in childhood, adolescence, and adulthood, sexual dysfunctions, sexually transmitted infections, and sexual coercion/violence.

Offered: Summer

**PSY 370H - Seminar: Positive Psychology (3.0)**

*Prerequisite: Junior standing or permission of department.* The course will provide an introduction to positive psychology. It is designed to explore theories, concepts, research behind the concepts, and exercises that enhance well-being. In the last half-century psychology has largely focused on decreasing maladaptive emotions and behaviors, while ignoring optimal functioning. This course focuses on the psychological aspects of a fulfilling and flourishing life. Topics include happiness, life satisfaction, character strengths, optimism, willpower, empathy, friendship, love, achievement, creativity, mindfulness, and humor.

Offered: As needed

**PSY 370I - Seminar: Psychological Bases of Criminal Behavior (3.0)**

*Prerequisite: PSY 101 and junior standing or permission of the instructor.* The purpose of the course is to give students an understanding

of delinquent and criminal behavior from a psychological perspective—with particular focus on the developmental and cognitive-behavioral aspects of offending. Viewing the juvenile and adult offender as being embedded and continually influenced by multiple systems, it highlights how psychological, social, economic, political and ecological factors all play a role in influencing individual behavior. Assigned readings and the independent research required for engaged participation will utilize and expand on research, communication, and writing skills acquired in other courses.

Offered: Fall Semester

### **PSY 373 - Psychology of Aging (3.0)**

*Prerequisite: PSY 101 or permission of the instructor.* Examination of the psycho-physiological changes that occur with age that have an effect on the individual's neural structure, biological functioning, cognitive abilities, personality development and social interactions. Considers the special methodological and research design problems of studying aging adults.

Offered: Fall Semester

### **PSY 375 - Independent Study in Psychology (1.0 - 3.0)**

*Prerequisites: 8 credits in psychology and permission of the instructor.* Investigation of a psychological problem or issue according to individual interests.

Offered: Both Semesters and Summer

### **PSY 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

### **PSY 399 - Internship (3.0 - 12.0)**

*Prerequisites: 16 credits in psychology, a 2.00 cumulative and 2.50 major GPA and permission of the department.* Individualized study and work in a cooperating laboratory or professional setting. Provides an opportunity to work with professionals in the field and to participate in research or other activities. Site approval and components of each student's internship must be approved by the department. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

### **PSY 400 - Neuropsychology (3.0)**

*Prerequisite: Open to psychology majors with junior or senior standing.* A review of elementary neuroanatomy and brain function, with an exploration of how clinical conditions (e.g., Alzheimer's, amnesia, Parkinson's, stroke, schizophrenia, agnosia, aphasia, Huntington's) affect cognitive, behavioral, affective, perceptual, and motor processes.

Offered: Fall Semester

### **PSY 401 - Theories of Personality (3.0)**

*Prerequisites: Open to junior or senior psychology majors or with permission of the instructor.* An overview of the different approaches to the understanding of the personality. Emphasis is placed on the normal personality.

Offered: Fall Semester

### **PSY 409 - Learning and Memory (3.0)**

*Prerequisites: PSY 312. Open to junior and senior psychology majors or with permission of the instructor.* A contemporary survey of methods, theories, principles and processes in the fields of learning and memory. The course focuses on understanding the building blocks of behavior in human and nonhuman learning and operant conditioning, as well as exploration of higher-order processes (e.g., language, pattern learning).

Offered: Fall Semester

### **PSY 418 - Physiological Psychology (3.0)**

*Prerequisites: PSY 101. Open to junior and senior psychology majors or with permission of the instructor.* Explores the relationships among physiological structure, functioning and behavior. Special attention is given to the overall structure of the nervous system, as well as the physiological bases of sensation, perception, learning, memory, cognition, emotion and consciousness.

Offered: Spring Semester

### **PSY 431 - Abnormal Psychology (3.0)**

*Prerequisites: Open to junior or senior psychology majors or with permission of the instructor.* The origins, symptoms and methods of treatment of the principal forms of deviant behavior, with illustrative case material. Social as well as clinical aspects of individual psychological problems are considered.

Offered: Spring Semester

### **PSY 434 - Foundations of Psychological Testing (3.0)**

*Prerequisites: PSY 211 or MATH 112 or SOC 261. Open to junior or senior psychology majors or with permission of the instructor.* A study of the testing movement, including fundamental statistical procedures. Emphasizes the use of tests in education, industry and clinical practice. Observation and participation in individual and group testing.

Offered: Fall Semester

### **PSY 441 - History of Psychology (3.0)**

*Prerequisites: Open to junior and senior psychology majors.* This reading-intensive capstone course exposes students to the history of the field. It begins with an overview of epistemological and ontological philosophical theories of the 17th and 18th centuries. It then contextualizes and analyzes the history of psychological ideas of the 19th and 20th century from a broad political, economic, and sociocultural framework.

Offered: Both Semesters

### **PSY 456 - Behavior Modification (3.0)**

*Prerequisites: PSY 312. Open to junior or senior psychology majors or with permission of the instructor.* Application of operant and respondent learning principles to change behaviors in a prosocial manner across individuals and situations.

Offered: Spring Semester

### **PSY 498 - Special Topics (3.0)**

An opportunity for a group of students to explore current topics in psychology as suggested by their special interests, and those of the faculty, but not included in the regular course offerings.

Offered: As needed

**PSY 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## REL - RELIGION

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**REL 200 - What is Religion? Introduction to Religious Studies (3.0)**

An exploration of religion and religions in their various dimensions. Covers important myths and rituals and how they guide us in daily living. Special attention will be given to personal and communal religious change, reconciliation, alienation and spiritual/mystical practices and experiences

Core: Philosophical Inquiry

Offered: As Needed

**REL 203 - Old Testament (3.0)**

A critical study of the history, literature and religion of ancient Israel and the significance of the Hebrew Scriptures for Judaism and Christianity.

Core: Philosophical Inquiry

Offered: As Needed

**REL 204 - The New Testament (3.0)**

A critical study of the New Testament literature and its theological significance.

Core: Philosophical Inquiry

Offered: As Needed

**PLRL 205 - Classical Religion & Philosophy (3.0)**

This course introduces students to the fundamental concepts of Greco-Roman religion and philosophy. Students are introduced to the ancient world first via its public and private religious practices and then via its philosophical perspectives on issues such as free will, ethical conflicts and the nature of the just person and the just state.

Core: Philosophical Inquiry

Offered: As Needed

**REL 211 - American Religious History (3.0)**

History of religion in America from the Puritans to the present day. Special attention will be given to certain themes (e.g., this nation as God's New Israel) that are especially characteristic of the American religious experience.

Core: Philosophical Inquiry

Offered: As Needed

**PLRL 219 - Ethics & Leadership (3.0)**

Ethics and leadership in key areas of society: e.g., education, religion, the military, corporations, and politics. The focus is on key principles of conduct and relevant virtues, such as courage, faith, humility, fortitude, and prudence. Theory and practice will be analyzed together, as examples will be drawn from important historical episodes.

Core: Philosophical Inquiry

Offered: As Needed

**REL 233 - Eastern Religions (3.0)**

This course surveys the history, doctrines, and practices of Eastern religious traditions. The traditions typically covered include Hinduism, Buddhism, Daoism, Confucianism and Shinto. This course is recommended for students looking for a broad introduction to the study of religion and who wish to take 300-level courses covering Eastern religions.

Core: Philosophical Inquiry

Offered: As Needed

**PLRL 301 - Indian Thought (3.0)**

*Prerequisite: Completion of the Philosophical Inquiry section of the Core.* An introduction to the religious and philosophical traditions of India. Special emphasis will be given to the Upanishads and Bhagavad Gita, the classical philosophical systems and the mythologies of Hinduism and to the Buddhist traditions of South Asia.

Core: Global Perspectives

Offered: As Needed

**REL 304 - Islam (3.0)**

*Prerequisites: Completion of the Philosophical Inquiry section of the Core* An introduction to Islam covering formative figures, significant texts, major historical events, central teachings, and influential movements.

Core: Global Perspectives

Offered: As Needed

**PLRL 306 - Chinese Thought (3.0)**

*Prerequisite: Completion of the Philosophical Inquiry section of the Core.* An introduction to the religious and philosophical traditions of China from the Shang dynasty to the modern era. Special emphasis is given to the role of ancestor veneration, ritual, social and political ethics, the development of the Confucian and Daoist traditions, the global diaspora of Confucianism, and the encounter of Confucianism with modernity (including the modern West).

Core: Global Perspectives

Offered: As Needed

**AFRL 311 - Black Theology (3.0)**

*Prerequisite: 3 credits of history, religion, political science, or African-American Studies at the 200 level, or permission of the instructor.* This course introduces students to the core of black Christian theological thought: black liberation theology. We will explore the historical roots of black Christian theology and focus on some of its key tenets, like the physical depiction of Christ, the depiction of the Christian community/communities and the role of Christianity. We will identify the major points of convergence and divergence between black liberation theology and other liberation theologies such as womanist theology and Latin American liberation theology.

Core: Philosophical Inquiry

Offered: Either Semester (As Needed)

**REL 312 - Holidays and Festivals (3.0)**

*Prerequisite: Completion of the Composition and Philosophical Inquiry areas of the core.* Rather than accessing religious belief through written texts and official doctrines, this course accesses it through the vibrant

sounds, movements, sights, and physical sensations of holidays and festivals. Diverse global examples will be considered.

Offered: As Needed

**REL 314 - Western Spirituality: Contemporary Issues (3.0)**

*Prerequisites: 3 credits in religion or permission of the instructor.* A variety of approaches to the holy in Western spiritualities. Texts from Jewish, Christian, Muslim, and Native American sources. In-depth study of Christian spirituality. Themes such as humans' knowledge of God, the connection between faith and practice, the relation between spirituality and institutional religion.

Offered: As Needed

**REL 323 - C.S. Lewis & Friends (3.0)**

*Prerequisites: Open to religion majors or with permission of the instructor.* An analysis of the fiction and nonfiction of the twentieth-century British writer C. S. Lewis. This course will also examine selected writings by other members of the group known as the Oxford Christians: e.g., Charles Williams, Austin Farrer, and Dorothy L. Sayers.

Cross-Listed as: Also offered as HON 323

Offered: As Needed

**ARRL 330 - Archaeology of Ancient Israel (3.0)**

*Prerequisites: ART 220 or HIST 264 or permission of the instructor* Examines archaeology in and around the modern country of Israel, from the Neolithic Age through the Iron Age (c. 12,000-586 B.C.), with focus on how scholars reconstruct social, economic, religious and political institutions. Evidence from archaeological sites and surveys, written documents from Israel.

Offered: Fall Semester (Odd Years)

**REL 335 - Teaching Assistantship (1.0 - 2.0)**

*Prerequisite: Invitation of the department. (May be repeated for a maximum of 4 credits)*

Offered: Either Semester

**REL 342 - From Abolitionism to Human Rights (3.0)**

*Prerequisites: Completion of the Philosophical Inquiry and Historical Analysis areas of the Core or permission of the instructor.* An exploration of the religious and political motivations British abolitionists had for changing the social, economic, and legal structures that supported slavery. What impact British abolitionism had on the evolution of human rights law will also be assessed.

Core: Global Perspectives

Offered: As Needed

**REL 375 - Independent Study in Religion (1.0 - 3.0)**

*Prerequisites: 6 credits in religion and permission of the instructor.* Students work independently on some religious subject matter selected in consultation with the department. Reports and papers are given during the semester.

Offered: Both Semesters and Summer

**REL 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: Either Semester

**REL 399 - Internship in Religion (3.0 - 6.0)**

*Prerequisites: 18 credits in religion and permission of the instructor.* Supervised off-campus educational project with an organization or institution approved by the department. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**PLRL 470 - Senior Seminar (3.0)**

*Prerequisites: 9 credits in religion and/or philosophy or permission of the instructor.* Advanced study of special topics in religion or philosophy.

Cross-Listed as: Double-numbered course; offered with graduate-level PLRL 570

Offered: Fall Semester As Needed

**PLRL 497 - Critical Paper (1.0)**

*Prerequisites: 21 credits in religion or philosophy, junior or senior standing and permission of the instructor.* Credit for a critical paper is earned by substantially expanding and revising a paper the student has written for a previous course in Philosophy or Religious Studies. The final critical paper of 15 to 20 pages is to be revised under the supervision of a departmental faculty member and defended before departmental faculty and students.

Offered: Either Semester

**REL 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## SOC - SOCIOLOGY

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*SOC 101, SOC 259, SOC 260 and SOC 261 must be completed with a grade of C- or above to fulfill the prerequisite for higher level courses.*

**SOC 101 - Principles of Sociology (3.0)**

Open to all students. Credit by exam. Fundamental sociological perspectives, processes, concepts and issues. Overview of the study of social structure, social organization, social institutions, social interaction, inequality, culture and social change.

Core: Social and Behavioral Analysis

Offered: Both Semesters

**SOC 215 - Social Problems (3.0)**

A systematic study of the institutional roots and social consequences of major social problems: poverty, the environment, inequality, crime and the quality of education and work and family life. Includes critical analysis of assumptions underlying popular and theoretical explanations of social problems as well as programs and policies aimed at alleviating them.

Core: Social and Behavioral Analysis

Offered: Fall Semester

**SOC 216 - Criminology (3.0)**

*Prerequisite: SOC 101.* An introduction to the sociological analysis of crime. Explores dominant theoretical perspectives on the causes of and responses to crime and criminal behavior, the definition and measurement of crime, inequalities in the criminal justice system and policies directed at crime.

Offered: Spring Semester

**SOSW 217 - Juvenile Delinquency and Juvenile Justice (3.0)**

*Prerequisite: SOC 101 or SOWK 201.* An examination of major theories and research about the causes of juvenile delinquency and various approaches to its control, prevention, and treatment: juvenile court, correctional agencies, community-based programs, and strategies for working with delinquent and at-risk youth.

Offered: Fall Semester

**PYSO 221 - Social Gerontology (3.0)**

*Prerequisite: PSY 101 or SOC 101.* A study of the social aspects of aging. This course explores the role of aged individuals within society and the influence society has on them. Topics include health, income, housing, family relationships, retirement, leisure and institutionalization.

Offered: Fall Semester (Odd Years)

**SOC 259 - Sociological Theory (3.0)**

*Prerequisite: SOC 101.* An examination of the roots and development of the most important classical thinkers in sociology. The major emphasis in the course will be on Marx, Durkheim and Weber.

Offered: Fall Semester

**SOC 260 - Methods of Social Research (3.0)**

*Prerequisite: SOC 101 or permission of the instructor.* An introduction to the basic research methods of the social sciences. Includes an examination of the logic underlying the scientific study of human behavior and the social world as well as the research designs and techniques, both quantitative and qualitative, commonly used in social research: experiments, surveys, content analysis, field research, historical-comparative research, and program evaluation

Offered: Fall Semester

**SOC 261 - Quantitative Methods for the Social Sciences (3.0)**

*Prerequisites: SOC 101 or permission of instructor and MATH 098 or Level IB placement on the Basic Math Skills Inventory.* An introduction to the methods used to analyze and interpret quantitative social science data with an applied focus. Students will demonstrate effective communication of quantitative data by accessing, interpreting, and presenting results in written and visual forms. Students will become familiar with various data bases as well as apply their understanding of descriptive and inferential statistics.

Core: Computation/Quantitative Literacy

Offered: Spring Semester

**SOC 299 - Special Topics (3.0)**

Offered at the discretion of the department.

Offered: As needed

**SOC 300 - Social Inequality (3.0)**

*Prerequisite: SOC 101.* An examination of the organization of social inequality in society. Major theoretical and research problems in the study of stratification; the forms and functions, characteristics, correlates and

consequences of stratification; the distribution of wealth and power; and the relationship of social stratification to social mobility, ideology, and societal institutions.

Offered: Spring Semester

**SOC 308 - Sociology of Sexuality (3.0)**

*Prerequisite: SOC 101 or permission of the instructor.* An examination of how sexuality is constructed and regulated within a set of cultural and organizational arrangements. Emphasis is on examining the role of dominant paradigms embedded in U.S. institutions such as family, work, politics, military and religion.

Offered: Spring Semester (Even Years)

**SOC 310 - Topics in Sociology (3.0)**

*Prerequisite: Completion of SOC 101 with a grade of C- or above.* An examination of relevant concepts, issues, theories and research literature pertaining to a selected substantive area in sociology. May be repeated for credit as topics vary.

Offered: Either Semester

**SOC 310B - Topics in Sociology: Gender and Crime (3.0)**

*Prerequisite: Completion of SOC 101 with a grade of C- or above.* An examination of how gender construction is reproduced throughout the criminal justice system. Sociological constructs such as gender socialization, gender roles, gender within institutions and gender related violence will provide the theoretical tools of analysis. Emphasis will be placed on the intersection of gender with race, ethnicity and class. Topics will include women and men as offenders, victims, and professionals in the criminal justice system. Special interest will include children of prisoners, juvenile delinquency among girls and non-traditional forms of female offending.

Offered: Either Semester

**SOC 311 - Sociology of Gender (3.0)**

*Prerequisite: SOC 101.* A critical assessment of gender at both the individual and institutional level. Prominent gender theories and research methods will be compared, as will intersections of gender with race/ethnicity and class. Key institutions that may be analyzed include family, work, military, media, politics and religion.

Offered: Fall Semester

**SOSW 312 - Addictions (3.0)**

*Prerequisites: SOC 101 or SOWK 201 or permission of the instructor.* An examination of current social scientific research and theory about different forms of addiction such as alcohol and other drugs, gambling, pornography, sex, food, and the internet. Students gain both a sociological understanding of addiction in its different forms as well as familiarity with current programs, policies, and social work practice models for addressing the problem of addiction.

Offered: As Needed

**SOC 318 - Global Social Problems (3.0)**

*Prerequisites: SOC 101.* An analysis of social problems in a global context. The first part of the course focuses on the economic, political and cultural changes that produce changes between and within countries. The second part focuses on the problems associated with globalization, including poverty; disease; environmental degradation; terrorism and war; gender inequality, overpopulation; and environmental degradation.

Core: Global Perspectives

Offered: Fall Semester

**SOC 323 - Ethnicity in the United States (3.0)**

A survey of the status and treatment of ethnic groups in the United States: patterns of dominant and subordinate relations; prejudice and discrimination, historical and current problems, demographic and social background, political and social policies.

Offered: Spring Semester

**SOC 335 - Teaching Assistantship in Sociology (2.0)**

*Prerequisites: Junior or senior standing and permission of the course instructor.* Assist with a sociology course at the 100 or 200 level.

Teaching assistants attend all classes and may also lead discussions and review sessions, tutor students, assist with grading, show films, teach a class, and other tasks as assigned; they will also meet periodically with the instructor. Grading is on an S/U basis.

Offered: Either Semester

**SOC 353 - Deviance and Social Control (3.0)**

*Prerequisite: SOC 101 or permission of the instructor.* A social constructionist approach to explaining non-normative behavior and its consequences. Analysis includes contextual processes affecting definitions of deviance as well as individual and institutional social control responses. Topics include substance use, family violence, body modification, belief systems, sexuality, mental disorders, physical disabilities and suicide.

Offered: As Needed

**SOC 375 - Independent Study (1.0 - 3.0)**

*Prerequisites: 6 credits in sociology and permission of the instructor.* Reading and/or research in a selected field of sociology.

Offered: Both Semesters and Summer

**SOC 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

**SOC 399 - Internship (3.0 - 15.0)**

*Prerequisites: 12 hours of sociology and permission of the department.* Participation in a social action, research, advocacy, human service or other organization related to student's interests and/or career goals. Site approval and components of each student's internship must be approved by and coordinated with the department faculty. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

**SOC 470 - Seminar in Sociology (3.0)**

*Prerequisites: SOC 101, SOC 259 and SOC 260.* A capstone course required of all sociology majors which analyzes issues, debates and controversies in sociology. The course also assists students in applying the knowledge and skills gained in the major towards a post-college career or graduate school.

Offered: Spring Semester

**SOC 472 - Advanced Methods of Social Research (3.0)**

*Prerequisites: SOC 260 and SOC 261 or MATH 112 or PSY 211 or permission of the instructor.* Advanced strategies and techniques of social science research, with particular attention to the design and conduct of research in applied settings: evaluation research, needs assessment, community-based research, policy analysis, developing grant proposals, and implications of research findings for social policy, programs, and advocacy.

Offered: Fall Semester

**SOC 482 - Practicum in Social Research (3.0)**

*Prerequisite: SOC 260 and SOC 261 or permission of the instructor.*

Students apply social science research skills in projects undertaken independently or in collaboration with local community agencies. Independent research and individual meetings with the instructor and/or agency staff are supplemented by a weekly one-hour class meeting devoted to topics such as using online research resources, writing a literature review, questionnaire development, focus groups, and reporting research results.

Offered: Spring Semester

**SOC 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## SOWK - SOCIAL WORK

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*A grade of "C-" or above is required in all social work courses. Social work majors must earn a grade of "C+" or above in SOWK 201 to continue in the major.*

**SOWK 201 - Introduction to Social Work and the Human Services (4.0)**

*Prerequisite: None.* Participation in 40 hours of volunteer service is required to reinforce the course material. An introduction to the profession of social work. Includes an overview of the history of the profession, the social welfare system, professional values and ethics, the helping process, and areas of practice. Emphasis is on awareness of human diversity and the importance of examining one's own values and attitudes. Includes 40 hours volunteer work in a local human services agency.

Offered: Fall Semester

**SOWK 214 - Child Welfare: Policies and Services (3.0)**

An overview of public and private human service organizations that serve children and families. Social policies that affect the welfare of children, and the values upon which these policies are based, will be explored from an historical perspective.

Offered: Spring Semester

**SOSW 217 - Juvenile Delinquency and Juvenile Justice (3.0)**

*Prerequisite:* SOC 101 or SOWK 201. An examination of major theories and research about the causes of juvenile delinquency and various approaches to its control, prevention, and treatment: juvenile court, correctional agencies, community-based programs, and strategies for working with delinquent and at-risk youth.

Offered: Fall Semester

**SOWK 299 - Special Topics (3.0)**

Offered at the discretion of the department. An opportunity for groups of eight or more students to study topics suggested by their special interests and those of the faculty and not included in the regular offerings.

Offered: As needed

**SOWK 301 - Social Policy and Human Service Programs (3.0)**

*Prerequisites:* SOWK 201 and junior standing, or permission of the instructor. An exploration of the fundamental concepts for analyzing public social welfare policy. The major public social welfare programs will be reviewed and analyzed. Perspectives on poverty in America will also be discussed.

Offered: Spring Semester

**SOWK 302 - Forensic Social Work (3.0)**

*Prerequisites:* SOC 101 and SOWK 201 or permission of the instructor. An introduction to working with individuals, families, groups and organizations that are, or have been, involved in the criminal and juvenile justice systems in the United States. Focus is on how social workers and others in the helping professions can bring about positive change through advocacy, empowerment, and therapeutic interventions for offenders and victims in various settings.

Offered: Spring Semester

**SOSW 312 - Addictions (3.0)**

*Prerequisites:* SOC 101 or SOWK 201 or permission of the instructor. An examination of current social scientific research and theory about different forms of addiction such as alcohol and other drugs, gambling, pornography, sex, food, and the internet. Students gain both a sociological understanding of addiction in its different forms as well as familiarity with current programs, policies, and social work practice models for addressing the problem of addiction.

Offered: As Needed

**SOWK 320 - Clinical Thanatology (3.0)**

*Prerequisite:* SOWK 201. End of life issues including communication patterns, anticipatory grief, dying trajectories, and awareness contexts will be discussed. This class is designed for nursing and social work students who want to work with the seriously ill and their families.

Cross-Listed as: Also offered as NUR 320

Offered: Both Semesters

**SOWK 325 - From the Hospital to Home: Social Work and Community Behavioral Health (3.0)**

*Prerequisite:* SOWK 201 or PSY 101 or NUR 201 or permission of the instructor. An overview of mental health and mental illness from a social work perspective, including the history of treatment, current evidence-based prevention and recovery approaches, and mental health policy. This course has a specific emphasis on the ways in which trauma, substance use, and social determinants impact mental health and are approached by

social workers. This course is not intended to build skills in providing treatment; however, students will learn about the experience of treatment, including treatment planning, as well as ethical and cultural considerations.

Offered: Fall Semester

**SOWK 327 - Gerontological Social Work: Policy and Practice (3.0)**

*Prerequisite:* SOWK 201 or permission of the instructor. An introduction to the issues facing older adults and the policies and programs created to address them. This course exposes students who are interested in clinical practice or policy to a context in which to examine their interest. Includes field visits and involvement with senior services in addition to classroom instruction.

Offered: Fall Semester

**SOWK 330 - Social Work with Families (3.0)**

*Prerequisite:* SOWK 201 or permission of the instructor. A study of the family as a psychodynamic group system from a social work perspective. The purpose of this course is to give the student an understanding of the various social work intervention approaches used in helping families.

Offered: Fall Semester (Odd Years)

**SOWK 333 - The Fields of Social Service (3.0)**

*Prerequisite:* SOWK 201 or permission of the instructor. An examination of social work methods of intervention, the role of the professional, and characteristics of clients in various social service settings, such as corrections, health, mental health, family violence, and education. This course may be repeated for credit so long as the fields covered are different.

Offered: Either Semester

**SOWK 342 - Social Work Methods I (3.0)**

*Prerequisite:* Junior or senior standing, SOWK 345, or permission of the instructor. An introduction to and examination of the generalist practice skills necessary for work with individuals. Included are techniques for engaging the client, developing and implementing a treatment plan, working with diverse populations, and the value of research in practice. The student will have the opportunity to apply these skills in the subsequent field practice courses.

Offered: Spring Semester

**SOWK 345 - The Human Lifecycle and the Social Environment (3.0)**

*Prerequisite:* SOWK 201 and junior or senior standing or permission of the instructor. An overview and assessment of theories of human behavior as they relate to the development of individuals from birth to old age. The focus is upon the interplay of biological, psychological and sociocultural factors as they affect and are affected by human behavior, and upon the social systems that influence and are affected by this development.

Offered: Fall Semester

**SOWK 346 - Human Rights and Social Justice (3.0)**

*Prerequisites:* SOWK 201. An analysis of human rights and social, economic and environmental justice and their intersection with the values, ethics, and practice of social work in a global context. Students learn and apply frameworks to specific practice areas relevant to the helping professions.

Offered: Fall Semester



**SOWK 375 - Independent Study (1.0 - 3.0)**

*Prerequisites:* SOWK 201, 6 additional credits in social work, and permission of the instructor. Reading and/or research in a selected field of social work will be required. Each student must submit a typed proposal to the independent study instructor prior to course registration.

Offered: Both Semesters and Summer

**SOWK 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

**SOWK 442 - Social Work Methods II (3.0)**

*Prerequisite:* Senior standing, SOC 260 and SOWK 342 and formal acceptance into the Social Work Program. An examination of theories of planned change and techniques of intervention with families, groups, organizations, and communities. Models of practice in mezzo and macro systems will be explored and critically evaluated. Empowerment, anti-oppressive practice, and social justice are emphasized.

Offered: Fall Semester

**SOWK 445A - SoWk Field Practicum (4.0)**

*Prerequisites:* Senior standing, SOC 260, SOWK 301, SOWK 342 and formal acceptance into the Social Work Program. A supervised field practicum experience in a social service setting that emphasizes application of social work theories, methods, and techniques. Requires 210 hours of fieldwork and 15 weekly seminar meetings each semester. Each semester-long course comprises a 4-credit practicum graded on a satisfactory/unsatisfactory basis and a 2-credit letter-graded seminar.

Offered: Fall Semester

**SOWK 445B - SoWk Field Seminar (2.0)**

*Prerequisites:* Senior standing, SOC 260, SOWK 301, SOWK 342 and formal acceptance into the Social Work Program. Two-credit letter-graded seminar.

Offered: Fall Semester

**SOWK 446A - SoWk Field Practicum (4.0)**

*Prerequisites:* SOWK 445A and SOWK 445B. A supervised field practicum experience in a social service setting that emphasizes application of social work theories, methods, and techniques. Requires 210 hours of fieldwork and 15 weekly seminar meetings each semester. Each semester-long course comprises a 4-credit practicum graded on a satisfactory/unsatisfactory basis and a 2-credit letter-graded seminar.

Offered: Spring Semester

**SOWK 446B - SoWk Field Seminar (2.0)**

*Prerequisites:* SOWK 445A and SOWK 445B. Two-credit letter-graded seminar.

Offered: Spring Semester

**SOWK 452 - Seminar on the Social Work Profession (3.0)**

*Prerequisites:* Formal acceptance into the Social Work Program, senior standing and completion of the major requirements through SOWK 445A and SOWK 445B. An examination of the issues facing social workers entering professional practice. Students integrate social work knowledge, values, and skills and articulate and clarify their professional orientation and style of practice. Emphasis on critical thinking skills, practice

evaluation, preparation for job searching, and identification of potential fields of practice. Completes the student's training in the program.

Offered: Spring Semester

**SOWK 499 - Departmental Honors (6.0)**

*Prerequisite:* By invitation of the department. The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## SPAN - SPANISH

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*All courses are conducted in Spanish. Students must earn a grade of "C" or better in the previous course in order to enroll in any 200-level course.*

**SPAN 101 - Elementary Spanish I (4.0)**

Development of the basic language skills: listening, speaking, reading and writing. Special emphasis on aural-oral proficiency.

Core: Foundations/Foreign Language

Offered: Fall Semester

**SPAN 102 - Elementary Spanish II (4.0)**

*Prerequisite:* SPAN 101 or permission of the department chair. Credit by exam. Continuation of SPAN 101.

Core: Foundations/Foreign Language

Offered: Spring Semester

**SPAN 105 - Spanish Conversation (1.0)**

*Prerequisite:* SPAN 102, exemption by exam or permission of department.

A one-credit conversation course conducted in Spanish designed to develop oral skills. Weekly discussions based on readings of cultural or current topics. Final grade based on attendance and participation and on one writing assignment in Spanish. May be repeated.

Offered: Both Semesters

**SPAN 201 - Intermediate Spanish I (3.0)**

*Prerequisite:* SPAN 102 or satisfactory performance in placement examination or permission of the instructor. Credit by exam. Further development of language skills with emphasis on reading and oral participation.

Core: Foundations/Foreign Language

Offered: Fall Semester

**SPAN 202 - Intermediate Spanish II (3.0)**

*Prerequisite:* SPAN 201 or permission of department chair. Credit by exam. Continuation of SPAN 201.

Offered: Spring Semester

**SPAN 203 - Spanish Conversation & Composition (3.0)**

*Prerequisite:* SPAN 202 or satisfactory performance on placement examination or permission of the department chair. Credit by exam.

Concentration on writing, conversation and structural difficulties.

Reading and discussion of cultural materials of an interdisciplinary nature. Weekly written compositions.

Offered: Fall Semester

**SPAN 204 - Spanish Culture and Civilization (3.0)**

*Prerequisite: SPAN 203 or permission of the department chair.*

Introduction to Spanish civilization: study of the cultural features of the Spanish language and the social, cultural and intellectual life of the Spanish people. Discussion and weekly written assignments.

Offered: Spring Semester

**SPAN 207 - Cultural Perspectives on Spanish Literature I (3.0)**

*Prerequisite: SPAN 203 or satisfactory performance on placement examination or permission of the department chair.* An introductory course that examines texts by major Spanish writers from the Middle Ages to the Siglo de Oro. Illustrated lectures, films and selected documents of and on the period will provide the cultural background required to understand the issues found in the texts and will connect them to social, philosophical and aesthetic movements.

Core: Global Persp & Literature

Offered: Fall Semester

**SPAN 208 - Cultural Perspectives on Spanish Literature II (3.0)**

*Prerequisite: SPAN 203 or permission of the department chair.* An introductory course that analyzes literary genres and examines major Spanish texts from the Siglo de Oro through the 19th century. Illustrated lectures, films and selected documents of the period will provide the cultural background required to understand the issues found in the texts and will connect them to social, philosophical and aesthetic movements.

Core: Global Persp & Literature

Offered: Spring Semester

**SPAN 215 - Hispanic & Latino Film (3.0)**

*Prerequisite: SPAN 203 or satisfactory performance on placement examination or permission of the department chair.* A selection of films and documentaries from Latin America, Spain and the United States will be discussed as social texts that articulate through different genres and épocas, crucial issues of national identity, violence, repression, north/south relations, gender and memory as a collective reconstruction of the past. Directors may vary.

Core: Global Perspectives & Visual Perf Arts

Offered: Either Semester

**SPAN 220 - Cultural Perspectives on Latin America (3.0)**

*Prerequisites: SPAN 203 or permission of the instructor.* The region of Latin America is seen through the lens of aesthetic, historical and cultural paradigms that helped shape the region. From past to present, students will be able to comprehend the significance of the colonial ties to contemporary Latin America.

Offered: As Needed

**SPAN 240 - Latin American Lit Popular Culture (3.0)**

*Prerequisite: SPAN 203 or satisfactory performance on placement examination or permission of the department chair.* A survey of the main trends in literary and popular culture from the 20th century. A close reading of the foundational texts of literary historiography from Modernism to Postmodernism. Discussion of the region's key concepts:

transculturation, "magical realism/marvelous real," "Boom and Postboom," "testimonio" and the new historical novel.

Offered: As Needed

**SPAN 302 - Third World Development Latin America (3.0)**

*Prerequisite: SPAN 220 or permission of the instructor.*

An interdisciplinary study of the Third World that uses aspects of literature, culture, politics, biology, demography, history and economics to understand how the world works for most of humankind. The course features field trips, guest speakers and a team approach to investigating problems of the developing world.

Cross-Listed as: Also offered as HON 302

Offered: As Needed

**SPAN 315 - Advanced Composition (3.0)**

*Prerequisites: SPAN 204 or SPAN 220 and at least 6 additional credits at the 200-level, or permission of the department chair.* Development of proficiency in writing Spanish, with emphasis on the contrastive aspects of English and Spanish structure. Special attention to style and to the idiomatic use of language. Introduction to translation. Weekly compositions or translations.

Offered: Spring Semester (Odd Years)

**SPAN 323 - Spanish Cinema (3.0)**

*Prerequisites: SPAN 203 and one of the following: SPAN 204, SPAN 207, SPAN 208, LSSP 215, LSSP 220 or LSSP 240.* This course will focus on selected major works of Spanish cinema produced from the 1930s to the present. Through Spain's cinematic history, students will acquire an understanding of the evolution of Spanish society through the 20th and 21st centuries.

Core: Global Persp & Visual Perf Arts

Offered: Spring Semester (Even Years)

**SPAN 333 - Latin American Poetry (3.0)**

*Prerequisites: SPAN 220 or SPAN 240 or Permission from Instructor.* Study of selected poetry, essay, and drama by Spanish-American writers such as Martí, Darío, Neruda, Gabriela Mistral, Usigli, and Octavio Paz.

Core: Global Perspectives

Offered: As Needed

**SPAN 335 - Teaching Assistantship in Spanish (1.0 - 3.0)**

An opportunity for qualified seniors to conduct practice sessions, tutor students and/or administer examinations in specified 100- and 200-level courses. Students are selected by the department. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**SPAN 336 - Latin American Fiction (3.0)**

*Prerequisites: SPAN 220 or SPAN 240 or Permission of Instructor.* Main trends in contemporary novels and short stories. Azuela, Gallegos, Asturias, Borges, García Márquez, Fuentes, Sábato, and other major writers.

Offered: As Needed

**SPAN 343 - Spanish Theater (3.0)**

*Prerequisite: SPAN 207 or SPAN 208 or permission of the department chair.* Study of the development of Spanish drama and its changing styles

and themes, including plays by Lope de Vega, Calderón, Tirso de Molina, Alarcón, Cervantes, Zorrilla, Benavente and García Lorca.

Offered: As needed

#### **SPAN 375 - Independent Study in Spanish (1.0 - 3.0)**

*Prerequisites: Permission of the instructor and the department chair.* Study of a selected subject. Conferences and reports.

Offered: Both Semesters and Summer

#### **SPAN 397 - Special Topics (3.0)**

An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As needed

#### **SPAN 399 - Internship in Spanish (3.0 - 9.0)**

*Prerequisite: Open to junior and senior majors, with permission of the department chair.* Supervised work in a governmental or international agency, in industry or other appropriate settings involving Spanish-speaking people. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

#### **SPAN 470 - Seminar: Latin America or Iberia (3.0)**

*Prerequisites: 12 credits in Spanish above the intermediate level.* A study in depth of a subject selected according to the special interests of the students and those of the faculty.

Offered: As Needed

#### **SPAN 499 - Departmental Honors (6.0)**

*Prerequisite: By invitation of the department.* The departmental honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects in close coordination with faculty advisers. Departmental honors students are known as the Christine P. Tischer Scholars and receive 6 credits for this work.

Offered: Year Long

## **SUS - SUSTAINABILITY STUDIES**

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#### **SUS 101 - Introduction to Sustainability (3.0)**

*Prerequisites: None.* This course introduces students to the concepts of sustainability science. It provides an overview of the history and principles of sustainability and then introduces the concepts of systems thinking to critically evaluate interactions among humans, societies, and nature.

Core: Scientific Thought-Non-Lab

Offered: Spring Semester

#### **SUS 201 - Sophomore Sustainability Seminar (3.0)**

*Prerequisites: SUS 101 and MATH 112.* This course is an introduction to the ways scientists approach and investigate problems in sustainability science, including experimental design and critical evaluation of published literature. Each semester the topic will vary according to instructor and student interest.

Offered: Fall Semester

#### **SUS 301 - Sustainable Energy Systems (3.0)**

*Prerequisites: None.* This course introduces students to the concepts of sustainability science. It provides an overview of the history and principles of sustainability and then introduces the concepts of systems thinking to critically evaluate interactions among humans, societies, and nature.

Offered: Spring Semester

#### **SUS 302 - Sustainable Watershed Management (4.0)**

*Prerequisite: Completion of SUS 201 or concurrent enrollment.* This course is designed to introduce students to watershed science, management, and sustainability concepts. The course will begin with an overview of watersheds and their ecology. It will also cover the chemical, biological, economic, and social factors that affect watersheds.

Offered: Spring Semester

#### **SUS 303 - Sustainable Food Systems (3.0)**

*Prerequisite: Completion of SUS 201 or concurrent enrollment.* This course will introduce the basic concepts and terminology of global, national, and local food systems. We will explore the history of our current food system, and students will use systems thinking to assess its environmental, social, and economic sustainability.

Offered: Spring Semester

#### **SUS 310 - Experiential Rotation in Sustainability (4.0)**

*Prerequisites: SUS 301, SUS 302, SUS 303.* This class is a lab-driven study of theory and practice in all sustainability program focus areas, allowing students to develop facility with fundamental techniques. The team-taught course is composed of three, five-week rotations conducted in lecture/lab format.

Offered: Fall Semester

#### **SUS 315 - Community-Based Food Systems (4.0)**

*Prerequisite: SUS 303.* Combining lecture with a lab, students will investigate the theory as well as the practical tools to implement sustainable community-based food systems. We will discuss local food policy and the role of food sovereignty and food justice in community-based solutions.

Offered: Fall Semester (Even Years)

#### **SUS 320 - Biotechnology of Food and Fuels (3.0)**

*Prerequisite: SUS 301 and SUS 303.* This course is designed to give an overview of the biotech industry and to teach the scientific principles that apply to the numerous biotechnology sectors. The intersection of biology and technology will be emphasized in the context of foods, biomolecules and biofuels.

Offered: Spring Semester (Odd Years)

#### **SUS 325 - Agroecology (4.0)**

*Prerequisite: BIOL 201 or ENSP 300.* This course introduces students to agricultural systems from an ecological perspective, exploring the interplay between abiotic and biotic factors which drive the successes and failures in crop production.

Offered: Fall Semester (Odd Years)

#### **SUS 375 - Independent Study in Sustainability (1.0 - 3.0)**

*Prerequisite: Permission of the instructor.* Laboratory, library or field investigation of a sustainability issue. Selection of topic, preparation of

study plan and evaluations of results are guided by means of weekly conferences with the instructor.

Offered: Both Semesters and Summer

**SUS 399 - Internship in Sustainability (3.0 - 15.0)**

*Prerequisites: College-wide Internship Requirements and Permission of Sustainability Director.* Students work at off-campus sites with organizations concerned with issues of sustainability. These may be, but are not limited to, government agencies; legislators; or nongovernmental organizations at local, state, regional and national levels. Grading is S/U.

Offered: Both Semesters and Summer

**SUS 410 - Bioengineering for Sustainability (4.0)**

*Prerequisite: SUS 320.* This course will provide an introduction to the use of enzymatic and microbial reactions in the production of desirable foods, beverages, biofuels and other bio-products.

Offered: Fall Semester (Odd Years)

**SUS 415 - Urban Agriculture (4.0)**

*Prerequisites: Completion of SUS 325 or concurrent enrollment.* This course provides a solid foundation in sustainable urban agriculture and the community building process. Students will gain hands-on experience working with organizations within the Frederick Food Security Network who have, or will be installing, an urban garden.

Offered: Fall Semester (Odd Years)

**SUS 499 - Departmental Honors in Sustainability (6.0)**

*Prerequisite: By invitation of the Biology Department.*

A department honors paper is a two-semester senior-year program designed for students who wish to pursue intensive research or special projects. Students doing departmental honors in sustainability will also present a poster during the departmental poster session spring semester.

Offered: Year Long

## SWAG - STUDIES IN WOMEN AND GENDER

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**SWAG 200 - Introduction to Studies in Women's and Gender (3.0)**

This course explores gender in the lived experiences of women and others who transgress gender norms historically and in contemporary society, as well as across diverse geographic and cultural locations.

Core: Social and Behavioral Analysis

Offered: As Needed

**PLWS 203 - Philosophical Issues in Feminism (3.0)**

This course considers various feminist perspectives on issues concerning sex, gender, gender roles, ethics (particularly reproductive ethics), embodiment, epistemology, family, motherhood, law and politics. A majority of the readings cover contemporary perspectives, though theoretical topics and historical thinkers are also typically included.

Core: Philosophical Inquiry

Offered: Spring Semester

**SWAG 299 - Special Topics (3.0)**

This course introduces general topics in women's studies, allowing faculty and students to examine specific areas of interest.

Offered: As Needed

**SWAG 312 - Revisioning Motherhood in Modern Western Culture (3.0)**

*Prerequisite: Open to juniors and seniors or with permission of the instructor.* An interdisciplinary study of the institution of motherhood and its representations in modern cultural productions of the Western world. Students will examine the myth and reality of mothering by analyzing readings in social, political and psychoanalytical theory as well literary and filmic texts. This course may be used for credit in the studies of women and gender minor.

Cross-Listed as: Also offered as HON 312

Offered: Fall Semester (Every 3 Years)

**SWAG 375 - Independent Study (1.0 - 3.0)**

*Prerequisites: SWAG 200 and 3 credits in the minor and permission of the instructor.* Research in a selected field of Studies in Women and Gender with faculty guidance.

Offered: Both Semesters and Summer

**SWAG 397 - Special Topics (3.0)**

*Prerequisite: Junior or senior standing and at least one prior course in the Studies in Women and Gender is recommended.* An upper-level special topics course offered at the discretion of the department. The content and methods vary with the interest of students and faculty members

Offered: As Needed

**SWAG 399 - Internship (3.0 - 6.0)**

*Prerequisites: 9 credits in the minor, including SWAG 200, and permission of instructor and Studies in Women and Gender coordinator.* Supervised application of feminist theories to analyze gender dynamics in a variety of public and private sites through supervised full- or part-time work. Sites and projects must be approved by the instructor and the Studies in Women and Gender coordinator. Grading is on a satisfactory/unsatisfactory basis.

Offered: Both Semesters and Summer

## THEA - THEATER

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**THEA 101 - The Elements of Acting (3.0)**

This course introduces students to the actor's art and techniques. Students will learn and use exercises, discussion, rehearsal and performance to broaden their experience of theatre and themselves. They will also sample a spectrum of theatrical methodologies and reflect on their own learning process in order to develop their own voice as a theatre artist. There are no prerequisites for this course.

Core: Art/Visual & Performing

Offered: Spring Semester

**THEA 102 - Improvisation (3.0)**

This class is an introduction to long-form improvisation and Harold as developed by Del Close at Second City and iO in Chicago and UCB in

New York. The student-improviser will be introduced to the fundamentals of improvisation: listening, trust, agreement and commitment; and come to understand callbacks, tag-outs, finding the game in a scene, yes-and, swinging doors, edits, and montage; and each student will perform many Harolds for classmates and outside audiences.

Core: Art/Visual & Performing

Offered: Fall Semester

**THEA 202 - The Theatre and Films of Buster Keaton (3.0)**

*Prerequisite: Fulfillment of the Composition requirement of the Core.*

This class is an immersion in both the theatre and cinema of the great comedic actor, director and writer Joseph Frank "Buster" Keaton. The student will come to understand Buster's personal and artistic evolution from his early theatre days as a part of his family's vaudeville act to his early silent films with Roscoe "Fatty" Arbuckle and on through his masterpiece of silent cinema *The General* (1926) and beyond.

Core: Art/Visual & Performing

Offered: As Needed

**ENTH 205 - Introduction to Playwriting (3.0)**

*Prerequisites: Open to students who have completed the Composition Requirement.* This class is an introduction to the art of playwriting and focused on developing a reliable process for student writers as they move from creative conception to completed dramatic script. It is designed for students with previous experience as well as those with minimal experience. All students will expand their conception of artistic possibilities by discussing the shorter plays of many significant playwrights as well as these writers' thoughts about their own processes for creation and playwriting.

Core: Art/Visual & Performing

Offered: As Needed

**THEA 212 - Improvisation II (3.0)**

*Prerequisites: THEA 102 or permission of the instructor.* An advanced course in long-form improvisation and how it is used to create "written" sketch comedy. Students begin by creating original long-form structures; they then learn to use long-form improvisation to create original sketch comedy in the Second City style. The course reading involves advanced theories of improvisation and a consideration of the history of comedy and improvisation in the United States.

Offered: Spring Semester (Odd Years)

**ENTH 229 - History of Drama Theatre I (3.0)**

*Prerequisite: ENGL 100 or ENGL 101 or 3 credits from ENGL 110-139.* This course will examine the history, development, literary devices, and production values of a variety of theatre and drama, from Ancient Greece and Rome to the nineteenth century. Playwrights studied may include Sophocles, Aristophanes, liturgical dramatists, commedia performers, Shakespeare, Jonson, Chikamatsu, Molière, Sheridan, Tyler and Daly. (H1, G)

Core: Literature

Offered: Fall Semester

**ENTH 230 - History of Drama and Theatre II (3.0)**

*Prerequisite: ENGL 100 or ENGL 101 or 3 credits from ENGL 110-139.* This course will examine the history, development, literary devices, and production values of a variety of theatre and drama, from nineteenth century Realism to the present day. Playwrights studied may include

Ibsen, Wilde, Chekhov, O'Neill, Miller, Williams, Albee, Beckett, Pinter, Shepard, Mamet, Wilson and Kushner. (H2, G)

Core: Literature

Offered: Fall Semester (Even Years)

**THEA 254 - Directing (3.0)**

*Prerequisites: Permission of the instructor.* This class is an introduction to the artistic process of the director focusing on the fundamentals of directing plays for live theatre. We will touch on all aspects of the director's process from initial conception through the rehearsal process to performance.

Offered: As needed

**THEA 299 - Special Topics (3.0)**

Offered at the discretion of the department. An opportunity for groups of eight or more students to study topics suggested by their special interests and those of the faculty and not included in the regular offerings.

Offered: As needed

**ENTH 303 - Advanced Playwriting (3.0)**

*Prerequisite: ENTH 205. May not be taken on an audit basis.* This workshop-based course is a follow-up on ENTH 205, Introduction to Playwriting. (CW)

Offered: As needed

**THEA 370 - Theater Practicum (1.0)**

*Prerequisites: Declared theatre and drama minor and permission of program director.* For participation in the Theatre program's curricular productions, credit can be earned in the following areas: acting, stage management, & design/technical production. An audition or interview may be required and prior approval of the Hood College Theatre director is always required. Smaller roles or responsibilities may not qualify for credit. Declared theatre minors can register for one credit hour of THEA 370 per semester, up to three times. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**THEA 375 - Independent Study (1.0 - 3.0)**

*Prerequisites: Permission of the instructor.* Independent work in theater. Conferences.

Offered: Both Semesters and Summer

# GRADUATE STUDIES

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The Hood College Graduate School offers master's, doctoral, and certificate programs designed to equip graduate students with the deep intellectual understanding and applied, real-world competencies needed for today's competitive job market.

## Meaningful Master's and Doctoral Programs to Advance Your Career

The Graduate School at Hood College offers master's, doctoral, and certificate programs that reflect the job requirements of the region's top employers. All are specifically designed to equip you with both deep intellectual understanding and the applied, real-world competencies you need to increase your career marketability.

**Learn while you work**, thanks to classes conveniently scheduled in the evenings and on occasional weekends. Hood's Graduate School programs further emphasize relevance by providing opportunities for you to incorporate course work into your work day. Conversely, you are encouraged to bring your professional experiences into the classroom for discussion and problem-solving.

**Excellent teaching** is the key to an outstanding education. Hood's faculty are selected for their knowledge of and experience in the discipline they teach and, equally important, their exceptional teaching skills. Most are involved in independent research. Many are scientists, researchers, business leaders, educators, and policy leaders from companies and organizations in the region. All are gifted at sharing their passion and proven expertise in a way that inspires, motivates and prepares students for success in the contemporary workplace.

**Small classes** and an emphasis on collaboration stimulate dynamic exchange of ideas and information. There are no large lecture halls at Hood. Professors know you by name, not by number. Individual attention—even after you have graduated—is a hallmark of the Graduate School.

**Internships, labs, and linkages** to business and industry enable you to gain practical experience and forge valuable connections beyond the classroom. The Graduate School has close ties to an exceptional network of world-class research and development, life science, biomedical, information technology, aerospace, engineering, and other cutting-edge industries and government institutions. Education programs put theory directly into practice in the area's K-12 environment.

**The graduate program you want is at Hood.**

## GRADUATE ADMISSION

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All graduate programs and certificates at Hood College require English proficiency in writing, reading, and speaking in an academic setting. Such proficiency may be demonstrated by earning a bachelor's or master's degree in the U.S., United Kingdom, Canada, Australia, Ireland or New Zealand or by obtaining a TOEFL score of 89 or higher or an IELTS composite score of 6.5 or higher. The Hood College school code for reporting purposes is 5296. If English proficiency is not demonstrated in

one of the above ways, and English proficiency scores are between 79-88 (TOEFL) and 6 (IELTS), the admitted student will be required to complete an additional course titled, Advanced English for Academic Purposes (EAP 500) in his/her first semester at Hood College. Applicants whose test scores fall below the minimum requirements are not admissible.

At the discretion of the program director, a faculty adviser or the Admissions committee, an applicant or first-year graduate student may be required to enroll in EAP 500, even if the student would be exempt by standard admission requirements. An instructor may also request this additional requirement during the first semester the student is enrolled if the instructor determines that the student's English skills are not sufficient for successful completion of the course and/or graduate program. Such instructor requests should be made to the adviser, program director and Registrar, who determine if EAP 500 is necessary. If the adviser and program director support the request for EAP 500, the student may appeal their decision to the Dean of the Graduate School with appropriate evidence and/or documentation of English proficiency. EAP 500 does not count towards the minimum credits required for specific program completion.

### Entrance Criteria - Master's and Certificate Programs

To be considered for admission to graduate study, the applicant must meet specified program requirements and hold a bachelor's degree from an accredited college or university with at least a 2.5 cumulative grade point average (although many programs require a higher GPA). Based on an applicant's background, the program director may require registration in specific foundational coursework and/or limit the number of credits for enrollment during the student's first semester. Some programs have additional admission requirements. Please check for special requirements listed in the sections of this catalog describing the programs.

Students may be admitted on a degree or non-degree basis. The Department of Homeland Security regulations require that students on F-1 visa status be admitted on a degree basis only.

### Entrance Criteria - Doctoral Program

To be considered for admission to doctoral study, the applicant must hold a master's degree in any discipline for the Doctorate in Organizational Leadership and a master's degree in business for the Doctorate in Business Administration from a regionally accredited college or university with at least a 3.25 cumulative grade point average and a minimum of eight to ten years of progressive professional work experience. Applicants will be accepted into the program based on selection criteria that include graduate coursework, grade point average, personal statements, area of research interest, resume, and experience.

### Procedure for Applying

Students must apply online at [www.hood.edu/gradapply](http://www.hood.edu/gradapply). International students should refer to the *International Student* section below for additional instructions.

The applicant must provide one copy of their official transcript reflecting highest degree conferred sent directly to the Graduate School from the appropriate institutional registrar or from the student, provided that the official envelope remains sealed. Please see individual programs for

individual additional application requirements and materials on our website. Student copies of transcripts will not be accepted. Students will not be permitted to begin coursework prior to the receipt of official transcripts.

### International Students

International students requiring F-1 Visas must submit their admission material well in advance to the Graduate School. International students are encouraged to submit their application materials to the Graduate School before the official deadlines: July 15 for fall semester December 1 for spring semester. Late applications will generally be deferred for review for the following semester.

Students who earned a baccalaureate degree from another country must obtain a course-by-course evaluation of those transcripts by a certified organization. Hood College accepts evaluations from any member of the National Association for Credential Evaluation Services (NACES), [www.naces.org](http://www.naces.org). The evaluation results must be received by the Graduate School in a sealed envelope or emailed directly to [gofurther@hood.edu](mailto:gofurther@hood.edu) (Hood College Graduate School) from the evaluating service by the established application deadlines.

All courses that are offered exclusively to graduate students are conducted during evening or weekend hours. International students with student visas must enroll in nine (9) hours of credit each fall and spring semester to be considered full-time graduate students. International applicants seeking F-1 visas must complete the application for I-20 after being admitted and before registering for coursework. As part of the I-20 application, students must arrange for financial support from their governments, from international organizations or from personal and family resources. See the graduate admissions webpage for estimated costs of attendance. I-20 applications will not be processed until an I-20 International Application (provided by the Graduate School) is submitted. Students who are not citizens of the United States will be required to submit a copy of their Resident Alien card or current visa before registering for any coursework. Please note: All graduate students are responsible for all fees and living expenses. Hood College generally does not provide housing for graduate students. International students are encouraged to investigate and secure local housing before arriving in the United States. The Office of International Student Support assists with any personal, academic and/or practical concerns.

### Non-Degree Graduate Students

The Graduate School offers courses for individuals who hold at least a bachelor's degree and are interested in non-degree studies for professional development, continuing education or personal enrichment. Hood also provides the opportunity to sample a graduate degree program before deciding to apply. Up to twelve credits taken as a non-degree student may apply towards degree requirements for a master's or certificate program. Non-degree graduate students must complete the non-degree graduate application and registration form ([www.hood.edu/gradforms](http://www.hood.edu/gradforms)). You must also submit a copy of an official transcript to the registrar's office at [hoodgrad@hood.edu](mailto:hoodgrad@hood.edu) for verification of bachelor's degree prior to enrollment. Applicants must have a cumulative GPA of 2.5 (3.0 for counseling coursework) to register as a non-degree student. Priority enrollment in graduate classes is given to degree-seeking students. Program director and/or instructor approval may be required for non-degree registration (counseling coursework requires program director approval and registrations may be held until degree-seeking students are

enrolled). Please direct questions to the registrar's office, 301-696-3616 or [hoodgrad@hood.edu](mailto:hoodgrad@hood.edu).

### Examination of Admission Folder

All documents sent as part of the application for admission become the property of Hood College. Under no circumstance will they be duplicated, returned to the applicant or forwarded to any other college, university, individual or agency. These documents will not be available to any person who is not involved in the admission process, with the exception of the academic adviser. Copies of transcripts and other relevant academic information will be released to the academic adviser. After the applicant has enrolled at Hood College, she or he may examine the contents of her or his admission folder in the presence of a College officer at a time and date arranged with the registrar's office. This policy is in conformity with the amended Family Educational Rights and Privacy Act of 1974, known as the Buckley Amendment.

## GRADUATE TUITION AND FINANCIAL ARRANGEMENTS

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### SCHOLARSHIPS AND AWARDS

#### Graduate School Awards

*The following awards are granted to selected master's degree candidates at the end of their programs of study.*

The Carlo and Valerie Bagni Outstanding Biomedical Science Student Award

The Bryce Blackwood Beau-champ '84, M.S.'87, MBA'06 Outstanding Computer Science Student Award

The Biomedical Science Faculty Award

The Antoinette Border '04, M.S.'09 Outstanding Mathematics Education Student Award

The Dr. Dana G. Cable Outstanding Thanatology Student Award

The Gary Corsar M.S.'09 Outstanding Information Technology Student Award

The Crespi-Hobby Outstanding Ceramic Arts Student Award

The Frederick W. and Lenora F. Dietzel MBA Student Award

The Doctoral Faculty Outstanding Student Award

The Dr. Keith R. Harris M.S.'99 Outstanding Educational Leadership Student Award

The Virginia Wheeler Jones '66, M.A.'88 Outstanding Reading Specialization Student Award

The Dr. Mary F. Kearney '96, M.S.'01 Outstanding Bioinformatics Student Award

The Craig D. Lebo M.A.'84 Outstanding Interdisciplinary Studies in Human Behavior Student Award

The Amy Kaufman MacLeod '08, MBA'11 Outstanding MBA Student Award

The MBA Director's Award

The Donna Mowry '98, M.A.'07 Thanatology Award

The Jenny E. Nunn M.S.'06 Outstanding Curriculum and Instruction Student Award

The Outstanding Dissertation Award  
 The Parrott-Anderson Outstanding Counseling Student Award  
 The William T. and Joanne K. Roos '52 Outstanding Cybersecurity Student Award  
 The Christopher H. Smith M.S.'95 Outstanding Environmental Biology Student Award  
 The Lisa Ann Sullivan M.A.'04 Outstanding Humanities Student Award  
 The Stephen R. White Outstanding Management Information Systems Student Award

## Graduate School Scholarships

The Association of Medical Diagnostics Manufacturers Scholarship  
 The Biomedical Science Alumni Graduate Scholarship\*  
 The Ceramic Arts & Technology Scholarship  
 The Joyce Michaud Endowed Scholarship\*  
 The Dr. Mary F. Kearney '96, M.S.'01 and Dr. Ann L. Boyd STEM Scholarship  
 The Sally Oros Graduate Counseling-Thanatology Certificate Scholarship  
 The Ifeoluwa O. Popoola M.S.'16 Scholarship  
 The Philip S. Renaud II M.S.'83 Scholarship\*

\*Not currently available for award

## TUITION, FEES AND OTHER CHARGES

### 2020-2021 Academic Year

#### Tuition per credit:

General Cluster	\$490
Business Cluster	\$635
Science Cluster	\$590
Counseling Program	\$710
Doctor of organizational leadership cohort 2020-2021	\$960
Doctor of business administration cohort 2020-2021	\$1090
*Renewal Not Retirement (RNR) per class	\$100
Audit	\$245

\*Hood's Renewal Not Retirement (RNR) program offers persons 60 years of age or older the opportunity to audit graduate courses. Studio and lab courses, practicums and self-directed study courses are not available for audit.

#### Comprehensive fee per term:

Non-doctoral: Fall, Spring	\$125
Non-doctoral: Summer	\$75
Doctoral (Fall/Spring only)	\$550

Refer to the Accounting Services website for more information

## TUITION PAYMENT METHODS AND POLICIES

Refer to the Accounting Services website for information regarding payment methods and policies.

## FINANCIAL AID

Information regarding student loans is available from the Office of Financial Aid, located on the third floor of the Joseph Henry Apple Academic Resource Center. Financial aid representatives can be reached by phone at 301-696-3411 or by email at [finaid@hood.edu](mailto:finaid@hood.edu). In order to be eligible for federal loans, a student must be accepted for enrollment in a degree or certificate program, take a minimum of 3 credits each semester and be making normal progress toward a degree or certificate from Hood as described below. To apply for a federal loan, a student must complete the Free Application for Federal Student Aid (FAFSA): <https://studentaid.gov/h/apply-for-aid/fafsa>

International students, although not eligible for federal loans, may apply for loan assistance from private educational loan programs if they have a credit-worthy cosigner who is a U.S. citizen or permanent resident. Additional information can be obtained by contacting the Office of Financial Aid.

Some programs offer Graduate Assistant positions to support graduate students. Students can also inquire about this possibility with the appropriate program director and/or through the Graduate School at [gofurther@hood.edu](mailto:gofurther@hood.edu).

## Satisfactory Academic Progress (SAP)

Students are expected to maintain a record of academic achievement that will enable them to graduate in a reasonable time period. Graduate students receiving financial aid of any type (federal, state, institutional and outside scholarships and grants) must demonstrate both qualitatively and quantitatively the ability to do satisfactory academic work and to progress measurably toward a degree. This is in addition to any renewal criteria required for specific state, institutional or other outside awards.

Federal regulations require the Office of Financial Aid to monitor students' academic progress at the end of each academic year. This is to ensure that students receiving funds are successfully progressing through their program of study. At the end of the spring semester of each academic year, the Office of Financial Aid evaluates the academic progress of each student receiving financial aid according to the standards set forth below by the College. This evaluation determines a student's eligibility to receive financial assistance in the next academic year.

Graduate programs range from 30 to 60 credits with most programs at the 36-credit level, and a 3.00 cumulative average is required to complete the degree. Students are considered to be making satisfactory progress toward degree completion for financial aid purposes by adhering to the schedule outlined below.

SEMESTER COMPLETED	CREDITS EARNED	CUMULATIVE GPA
First/Second	12	2.75
Third/Fourth	24	3.00
Fifth/Sixth	36	3.00

The Office of Financial Aid determines the year of standing according to the number of credits earned. (Note: this is separate from the time-to-completion Graduate School policy which allows up to seven years to complete a degree program.) The Office of Financial Aid uses the above schedule for its financial aid purposes.

The maximum time frame in which a graduate student is expected to complete their degree is 150 percent of the published length of the



program measured in academic credits. Students will become ineligible for any type of financial aid if the maximum timeframe for completion is not met. For example, if a published length of a graduate academic program is 36 credit hours; the maximum period must not exceed 54 (36 × 150%) attempted credit hours.

## Additional Degree / Dual Degree

The maximum time frame in which a student is expected to complete their degree is 150 percent of the published length of the program measured in academic credits for a student pursuing an additional degree or enrolled in a dual degree program.

## Transfer Credits

Transfer credits and/or credits for prior learning given at the time of enrollment will be counted in the total number of credits attempted. During the course of enrollment, a student may transfer credits earned at outside institutions, however, the credits will apply only for meeting the maximum timeframe standard.

## Treatment of W, INC, AU, F, S and U Grades and Repeated Coursework

- Course withdrawals (W) after the drop/add period are not included in the GPA calculation, but are considered a noncompletion of attempted coursework.
- Incomplete (INC) grades are not included in the GPA calculation but are considered a noncompletion of attempted coursework until the incomplete grade is replaced with a permanent grade and academic progress can be reevaluated.
- An audit (AU) grade is not considered attempted coursework. It is not included in the GPA calculation or completion rate determination.
- A satisfactory (S) grade is treated as attempted credits earned, but it is not included in the GPA calculation.
- An unsatisfactory (U) grade is treated as attempted credits that are not earned, but it is not included in the GPA calculation.
- A failing grade (F) is treated as attempted credits not earned; it will be included in the calculation of the GPA and the minimum completion rate.
- All grades earned for a repeated course will be recorded on the transcript and the highest grade received will be included in the GPA calculation; however, every repeated attempt will be included in the completion rate determination.

## Financial Aid Suspension

Students are placed on financial aid suspension if they do not meet one or both of the SAP standards. Students that are failing to make satisfactory academic progress and who successfully appeals will be placed on financial aid probation. Students placed in this status may continue to receive financial aid for one semester but are expected to improve their academic standing (CGPA) and/or maximum timeframe progress so that the standards of SAP are met by the end of the following semester.

## Financial Aid Probation

If at the end of the probationary period the student still does not meet the standards set forth in this policy, eligibility to receive financial aid of any type will be suspended. Students who fail to meet the maximum timeframe towards completion of their degree within 150 percent of their attempted credits will have their financial aid canceled.

## Reinstatement of Aid after Probation Appeal is Approved

Reinstatement of financial aid after a student is placed on probation is achieved as follows:

- The student submits a written letter of appeal in accordance with the appeals process and the Financial Aid Appeals Committee grants the appeal. The student is placed on financial aid probation for one semester and is allowed to maintain their aid eligibility. SAP will be reviewed at the end of that semester; or
- The student attends Hood College during the suspension semester, pays for tuition and fees without the help of student aid and does well enough in the coursework to satisfy all the satisfactory academic progress standards. The student must notify the Office of Financial Aid if they are planning to attend Hood College without the assistance of financial aid; or
- The student may enroll in summer courses to eliminate the deficiency in credits or GPA. The student must notify the Office of Financial Aid if they are planning to take classes during the summer to eliminate the deficiency. Students can only take classes at Hood College and cannot take classes at another institution to resolve a GPA deficiency.

A student whose eligibility has been suspended may regain eligibility at the end of any term after which they meet the above criteria.

Students who have been placed on suspension cannot skip a semester and regain eligibility. No financial aid will be disbursed during subsequent semesters for students on suspension.

## Appeals Process

Appeals of financial aid suspension must be made in writing to the Office of Financial Aid by the date specified in the Financial Aid Suspension notification letter.

The appeal letter must address the extenuating circumstance(s) why satisfactory academic progress was not made, why the extenuating circumstance(s) has changed, as well as an outlined plan of corrective action for future academic success. The appeal must explain why the student failed to meet satisfactory academic progress and what has changed in the situation that will allow him to make satisfactory progress at the next evaluation. Extenuating circumstances can include, but is not limited to, illness or injury; death of a family member; family difficulties; interpersonal problems with friends, roommates, partners; difficulty balancing work, and family responsibility; or financial difficulties.

The Office of Financial Aid will review the appeal and notify the student in writing within 10 working days whether the appeal has been accepted or denied. If the appeal has been accepted, the letter to the student will detail the academic plan of corrective action as well as require the approval of the student's academic adviser. All decisions made by the director of financial aid are final and will not be subject to further review.

## Veterans' Educational Benefits

Hood College serves as a liaison/informational resource to veterans by providing Veterans Administration forms and certifying military students for benefits. Hood College Office of Financial Aid provides services to veterans and dependents of veterans eligible for education benefits. To initiate or continue benefits, veterans must contact the Office of Financial Aid, 301-696-3411, at the beginning of each semester to complete the required paperwork, in compliance with the policies and procedures established by the Office of Financial Aid and the Department of Veterans Affairs. Information and application forms may be obtained

from the Office of Financial Aid or via the Hood College Financial Aid web page, under forms. Educational benefit programs include:

- Chapter 30, Montgomery GI Bill
- Chapter 31, Vocational Rehabilitation
- Chapter 33, Post-9/11 GI Bill [Forever GI Bill]
- Chapter 35, Survivors' and Dependents' Educational Assistance
- Chapter 1606, Selected Reserve

Hood College participates in the Department of Veterans Affairs Yellow Ribbon Program. The Yellow Ribbon GI Educational Enhancement Program (Yellow Ribbon Program) is a provision of the Post-9/11 Veterans Educational Assistance Act of 2008. Participating students remain in the Yellow Ribbon program throughout their enrollment at Hood College and remain eligible for Yellow Ribbon program scholarship as long as each of the following applies: Hood College continues to participate in the Yellow Ribbon Program, the students remain in good academic standing, and the students have remaining VA Educational Benefits entitlement.

For information on each of these programs, current payment rates, availability of benefits or approvals call the local Regional VA Office at 1-888-442-4551.

## GRADUATE ACADEMIC POLICIES

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Policies and procedures for graduate studies at Hood College are intended to safeguard the integrity of the degree granted, to facilitate the student's progress toward the degree and to prevent delays and misunderstandings.

All students, whether enrolled in online or face-to-face programs are responsible for being thoroughly familiar with all policies and procedures as well as the requirements of the degree program. This catalog should be consulted regularly. Students who have questions about requirements or procedures should consult their adviser or the Office of the Registrar.

### ACADEMIC STANDARDS

#### Academic Conduct

The Graduate School strives to maintain and enforce the highest standards of academic integrity. Accordingly, plagiarism and other forms of academic dishonesty are unacceptable and will result in disciplinary action. By accepting admission to the Graduate School, a student has also accepted to be governed by the stated regulations of academic conduct, and indicates a willingness to accept disciplinary action, if behavior is deemed to be in violation of those rules or in some way unacceptable or detrimental to Hood College. Professed ignorance of what constitutes academic dishonesty does not excuse violations of these regulations.

All Hood College graduate students are expected to comply with the following rules of academic conduct.

#### Examinations, Tests and Quizzes

During examinations, tests, quizzes, comprehensive examinations or other classroom work, no student shall give or receive aid in any way or form not authorized by the instructor.

All actions prohibited in the Hood College Honor Code apply. Cheating entails: copying another's work or allowing your work to be copied, bringing unauthorized materials into an exam, using electronic devices in an unauthorized manner to give or receive aid, using unauthorized materials to complete an exam or assignment, communicating (via any means) during an exam without approval, failing to turn in exam materials at the conclusion of an exam, taking an exam in an unauthorized location, leaving the exam environment (except in an emergency or with the approval of the proctor), giving or receiving unauthorized peer aid on assignments and/or completing individual assignments in a group setting, without the approval of the instructor, such that each student is not solely responsible for his or her own work.

#### Papers, Essays, Oral Presentations and Theses

Presenting oral or written work that is not the student's own (except as the instructor specifically approves) is dishonest. Any direct statement taken from other sources must be documented. Sources of information and of ideas or opinions not the student's own must be clearly indicated. Instructors may prescribe limitations on the sources to be used.

The Hood College Honor Code and its prohibitions on plagiarism apply. Plagiarism entails: any unacknowledged use of another person's language or ideas, whether intentional or unintentional. Students wishing advice on the proper use and acknowledgement of scholarly materials should consult with their individual instructors, the library staff and any of the several reliable guides to scholarly writing that these sources recommend.

#### Projects and Reports

Unless otherwise directed, each student must do her or his own work, experiments, drawings and so forth, from her or his own observations. Students may work together provided that each member of the group understands the work being done, and provided that the instructor does not prohibit group work.

Similarly, the Hood College Honor Code prohibitions on re-submission apply. Re-submission entails: submission and/or duplication of work completed for one course in another course, without the approval of all instructors involved. Note that this prohibition on re-submission applies to all coursework (e.g. examinations, tests, quizzes, homework, projects, reports, thesis, notes, journals, and all creative work produced during any courses at Hood.)

Violations of academic standards and policy at Hood in the graduate program are taken very seriously, and infractions (whether explicitly listed in this document or not) may be grounds for dismissal from the college. Student are expected to familiarize themselves with the academic standards of the College, and lack of knowledge of these provisions will not be construed as extenuating circumstances. Hood expects all students, at both the undergraduate and graduate level, to conduct themselves with honesty and integrity in their work and scholarship.

#### Violations of Academic Conduct

When an instructor has evidence that a graduate student is not in compliance with these expectations, it is the obligation of the instructor to bring it to the attention of the student and to evaluate the specific work as a zero. That zero is to be calculated into the final course grade. Instructors also reserve the right to assign a final course grade of "F" to a student for cases of academic dishonesty.

Additionally, when a graduate student is found to have violated the academic standards and policies set forth in the catalog, the instructor will file a report with the office of the dean of the Graduate School and with the director of the program in which the student is enrolled. This report should detail the nature of the violation and what penalty was assessed. The program director may suggest what action be taken for any future incidents. Any major violation of academic standards of conduct will trigger a review of the student's enrollment in graduate study at Hood.

Students may appeal the action of the instructor by written petition to the Graduate Council through the registrar's office at hoodgrad@hood.edu. The Graduate Council will investigate the appeal and render a decision, though the student may appeal this decision to the dean of the Graduate School.

In perceived cases of extreme academic dishonesty, an instructor or program director may request a review by the Graduate Council. The Graduate Council will hear statements from the instructor and/or program director, and then from the student under review. If, after hearing both sides of the case, the Graduate Council finds the student to be in extreme violation of the Academic Conduct code, they will recommend dismissal from the program. The student may appeal the resulting dismissal through the dean of the Graduate School.

## Academic Standing and Warning

A student whose cumulative grade point average (GPA) is 3.0 or higher is in good academic standing, which is required for graduation. If a student's GPA drops below 3.0, he or she will be placed on academic warning. The GPA must be restored to 3.0 within 9 credits completed from the term in which the GPA fell below 3.0. The 3.0 average may be restored by repeating courses or by taking additional courses. There are no limitations to the number of times a student can fall below 3.0 and restore his or her GPA. However, no more than 3 courses (9 credits) beyond those required for the degree can be used to raise the GPA and all requirements for the program must be completed within the time limitation policy. If a student is at risk of being academically dismissed, they can request to transfer to another degree program more suitable to their academic background and needs (*see Changing from One Degree Program to Another* (p. 194) section). Any credits earned in the original program that will apply to the new program will be calculated in the cumulative GPA. As part of Hood's *Fresh Start* (p. 194) policy, grades from the original program that are not applied to the new program, will not be calculated in the cumulative GPA, though they will remain on the transcript for historical purposes.

## Academic Dismissal

### Dismissal due to Academic Integrity and Student Conduct Violations

A student who has been found to be in violation of the Graduate School's regulations of academic and/or student conduct will be dismissed from the program and from the College (*see Graduate Student Conduct* (p. 204) and *Violations of Academic Conduct* (p. 193) sections). A student may appeal academic dismissal as outlined in *Exceptions to Academic Policies, Regulations or Requirements* (p. 203). Students who are dismissed from the College for academic and/or student conduct violations may not enroll in another graduate program or as a non-degree seeking student.

## Dismissal due to Inferior Academic Performance and Fresh Start Policy

A student on academic warning who does not restore the GPA to 3.0 as required will be dismissed from the College. A student may appeal academic dismissal as outlined in *Exceptions to Academic Policies, Regulations or Requirements* (p. 203). Students who are dismissed from the College for poor academic performance in a particular program may apply to a different program for possible reinstatement to the College. In such cases, students will be required to submit a new application via the online software at www.hood.edu/gradapply. Original transcripts will have to be re-submitted as these documents are shredded after admission into a previous program. However, if accepted, only 6 credits of relevant, previous graduate coursework within the last five years (with grades of B or better) can be transferred into the new program with approval from the new program director. In addition, the seven-year time limit for degree completion starts anew with enrollment in the new program. As part of Hood's Fresh Start policy, grades from the program in which the student was dismissed will not be calculated in the cumulative GPA, unless they are part of the 6 credits transferred in as described above. However, all courses from the previous program will remain on the transcript for historical purposes. A cumulative GPA of 3.0 is required for graduation.

## CHANGING FROM NON-DEGREE TO DEGREE STATUS

A student who wishes to change from non-degree status to a degree program must apply for admission through the Graduate School. The student must submit any additional documents required of the specific program of interest and have his or her file reviewed by the program director. Admission as a non-degree student does not guarantee admission to a degree program. A maximum of 12 credits taken by a non-degree student may apply to a degree program once they have been approved for admission.

## CHANGING FROM ONE DEGREE PROGRAM TO ANOTHER

A student who wishes to transfer from one degree program to another must submit a Degree Change request form to the Office of the Registrar, which will consult with the appropriate department(s) before rendering any decisions. Credits earned in the original program may apply to the new program if, in the opinion of the Registrar and the Program Director, they are appropriate to the new degree. Academic performance in any and all graduate coursework will be considered in appeals to transfer between degree programs. Students who have failed to earn a degree after attempting a comprehensive examination twice—or after failing to complete satisfactorily a field work project, capstone, software project or thesis—may not transfer credits earned in that program to another degree program.

## ADDITIONAL MASTER'S DEGREE OR CERTIFICATE

A student who has earned one master's degree or certificate from Hood College may earn a second master's degree or certificate upon satisfactory completion of the program requirements in the second graduate degree program. Up to 6 credits may be applied from the first graduate program to the second one, with approval from the program director. If programs share additional course requirements, the student may be exempted from completing the coursework in the second degree program but will have to

replace it with appropriate electives subject to the approval of the student's adviser and program director. In special cases, a student may transfer additional credits into the program beyond the stated maxima if there are extenuating circumstances, at the discretion of the graduate school dean and program director. Courses eligible for transfer from the first program must have been completed no earlier than five years from the start of the second program. *See Transfer of Credit* (p. 197) *section for more information.*

The seven-year time limit will begin with enrollment in the first new course of the second graduate program. All other academic requirements will apply to the second program except that the second concentration must be different from the first concentration. Students who complete one graduate program and wish to enroll in another one must apply for admission through the Graduate School.

In all cases of internal transfer credit, coursework completed in one graduate program (certificate or master's) may only be utilized in one other graduate program, whether taken concurrently or sequentially. Students may not transfer the same courses to more than one graduate program.

## SIMULTANEOUS ENROLLMENT IN TWO GRADUATE PROGRAMS

Graduate students may enroll in and pursue no more than two graduate programs (certificate and/or master's) simultaneously. Students must complete and submit the Dual Enrollment request form to the Office of the Registrar, for enrollment in two master's degrees or for adding a master's degree to existing enrollment in a certificate program. Students adding a certificate program to an existing master's program see *Enrollment in Related Certificate Programs* (p. 195) *section.* Additional documentation (i.e. personal statement, CV) may be required for admission to the additional program. The Registrar will consult with the student's current adviser and director of the second graduate program. After consultation and review of the student's transcripts, a decision will be rendered. The final decision of acceptance or denial resides with the program directors. Pursuit of two graduate degree programs will not be a justifiable excuse for requesting an extension of the time limit for program completion in any one program.

### The following guidelines apply to students pursuing two master's degree programs simultaneously:

- The student must successfully complete a minimum of 9 credits in their first master's degree program before requesting acceptance into a second master's degree program;
- The student must maintain a cumulative graduate GPA of 3.0 in each degree program. Dismissal from one degree program does not necessarily result in dismissal from the second degree program;
- Up to six hours of graduate credit may be applied from the first master's degree program to the second one. If programs share additional course requirements, the student may be waived from completing the coursework in the second degree program but will have to replace it with appropriate electives subject to the approval of the student's adviser and program director. An exception to this policy includes students who complete a graduate certificate program prior to enrollment in a related master's degree (*see Transfer of Credit* (p. 197) *Section*);

- Degree completion will be calculated and handled separately for each degree program. All processes must be addressed separately for each program. This includes time limits and petitions to graduate;
- The student's transcript will note both graduate programs;
- Academic and financial holds apply to the student and not the degree program. For example, a financial hold placed on a student's records as a result of a payment issue for a course in one degree program can prevent the student from pursuing courses in the second degree program;
- Tuition rates are based on the student's primary program of enrollment.

## ENROLLMENT IN RELATED CERTIFICATE PROGRAMS

Students who are enrolled in a master's degree program and wish to earn a related certificate simultaneously, must complete the Certificate Declaration form on Hood's website. The Registrar will then consult with the student's current adviser and director of the certificate program. After consultation and review of the student's academic record, a decision will be rendered.

## DEGREE REQUIREMENTS

Faculty advisers, the program director and the registrar are available to assist students. Procedures have been set up to check progress toward the degree. It is the student's responsibility, however, to know the requirements for her or his degree and to fulfill them. Students are expected to follow the program requirements in place in the College Catalog at the time of initial enrollment. It is also the student's responsibility to request approval for any course substitutions from their academic adviser or program director prior to enrollment. Failure to receive approval for course substitutions prior to enrollment may result in a delay in program completion. It is the student's responsibility to be thoroughly familiar with the academic policies and procedures, as outlined in this catalog.

## ACADEMIC ADVISEMENT

Each degree-seeking student is assigned to an adviser who: 1) advises and approves course registrations, 2) assists the student in developing a concentration, if applicable, and 3) in some instances, supervises thesis, capstone or field work if such an option is selected.

## COMPREHENSIVE EXAMINATIONS

Comprehensive examinations are requirements in the Master of Arts programs in Interdisciplinary Studies in Human Behavior (previously Human Sciences) and Ceramic Arts. Exams are built upon the content of the graduate courses taken as components of a graduate program and upon courses for which a waiver or exemption has been granted. A student may not be examined in an area where transfer credit has been awarded. While many or most of the examination questions may deal with specific subject content, some may require the student to draw together several concepts in order to demonstrate an understanding of interrelated ideas.

### The following procedures apply to the comprehensive examination:

- **Notification of Intention.** The student must complete the form entitled Notification of Intent to Take the Comprehensive Examination, which is available online at [www.hood.edu/gradforms](http://www.hood.edu/gradforms), by the published deadline. Upon submission of the form, the Registrar will secure the advisor's approval and schedule the student for specific date indicated on the form. No examination will be assembled unless the form is on file with the Office of the Registrar. Only students who are in good standing (maintaining a 3.0 cumulative grade point average) may take the comprehensive examination.
- **The Questions.** For interdisciplinary Studies in Human Behavior, comprehensive examination questions are written by the instructor of each course. For ceramic arts, the questions will address underlying facts and principles, technical and aesthetic, and will consist of a number of essay questions requiring short, concise explanations or definitions. All students taking the exams should review class syllabi, outlines, prior class exams, notes, as well as any text readings from coursework to be tested.
- **Assembling the Examination.** In consultation with the student, the advisor or the program director prepares the comprehensive examination. Ordinarily, the test questions are drawn from one department.
- **Administration of the Examination.** Comprehensive examinations are administered in the Spring and Fall semesters. The exact dates of the examinations are published in the *Academic Calendar* for each year. The place of administration of the comprehensive examination will be announced and the program directors will determine how the examinations will be administered, which may include the use of Blackboard for online administration. Students are expected to comply with the rules of academic conduct found under the *Academic Standards* (p. 193) section of the catalog.

Students who are unable to take a comprehensive examination on the scheduled date because of hardship may petition the adviser for a substitute date. If the adviser approves the petition, the student must contact the Office of the Registrar and the program director to make arrangements for the administration of the examination and the substitute date. In all cases, if the student wishes to complete the examination within the same semester, the substitute date must occur on a weekday no more than 10 business days after the originally scheduled examination date.

- **Grading of the Examination and Reporting the Results.** The advisor or the program director, with the assistance of the departmental instructors, arranges for grading of the examination. Where possible, the original writer of an examination question is called upon to grade that question. Questions are graded on a pass-fail basis. The advisor collects all the graded examination questions and, using departmental guidelines, grades the total examination as either pass or fail. Usually a student's total examination is graded pass when four of five questions for Interdisciplinary Studies in Human Behavior are graded pass. Ceramic Arts students must score at least an 80% on the written exam. Frequently two or three faculty members are called upon to read and assist with the evaluation.

Once the total examination is evaluated, it is the responsibility of the advisor to notify the student and the Office of the Registrar regarding the results of the comprehensive examination. This notification must be in writing.

The process of examination evaluation and notification must be completed within 30 days following the administration of the examination.

- **Options for Students Who Have Failed the Comprehensive Examination.** Only one re-examination may be arranged. Re-examination occurs during the next semester following the initial comprehensive examination, excluding summer session. The student must file another Intent to Take the Comprehensive Examination form. In the case of Interdisciplinary Studies in Human Behavior, the student will only be re-tested on the questions they failed. The student also confers with their advisor six weeks in advance of the re-examination. The student who has failed both the initial comprehensive examination and re-examination is not eligible for the master's degree. The dismissed student may consider pursuing a different degree per the College's *Fresh Start Policy* (p. 194).

If a student fails the comprehensive examination, the only option available to that student is re-examination. The thesis, field work or project option is not available to students who fail a comprehensive examination.

## FINAL FIELD WORK AND RESEARCH PROJECTS

Registration must be completed during the regular registration period. Students who elect the 6-credit project option will be registered and billed for all 6 credits in one semester. Credits will not be split over the course of multiple semesters.

The field work or research project is a culminating activity and therefore should follow all necessary work to assure adequate content and methodology. It is required in some degree programs and may be optional in others. Students may elect to do either a 3-credit or a 6-credit field work or research project. Students who elect to do a field work or research project must complete a Permission to Enroll form and submit a written proposal to be approved by the field work or research adviser or instructor, program director and the Office of the Registrar. The 6-credit research project is similar to a master's thesis in structure, complexity, depth of study and rigor. The registrar will continue to re-register students each Fall and Spring semester for the field work or research project as "IP" (In Progress) until a final grade is submitted. Students are responsible to pay the Graduate School comprehensive fee each semester until the project is completed.

The 3-credit field work or research project is a disciplined application of theories and techniques learned during the master's study and applied in a field work setting with clearly defined learning objectives. It is graded Satisfactory (S) or Unsatisfactory (U). A grade of "S" is equivalent to a minimum grade of B (82%) at the graduate level. See Grading System (p. 199) section. The grade is awarded by the field work or research adviser or instructor. (The dean of the Graduate School will review the report and verify the approval of the Reading Committee.)

The student is responsible for initiating either a 3- or 6-credit field work or research project proposal and for securing a field work or research adviser or instructor for the project, who will serve as the chair of the Reading Committee. The adviser and the student, in consultation, will identify two additional persons to serve on the Reading Committee.

The basic procedure established for the master's thesis should be followed for the 6-credit research project. The procedure for a well-structured independent study should be followed for the 3-credit field work or research project.

The approved final paper, must be uploaded to MD-SOAR in accordance with the thesis/project deadlines published in the *Academic Calendar*. Students should review the guidelines for formatting and electronic submission processes in the Final Thesis, Projects, Capstones, and Research section of [www.hood.edu/gradforms](http://www.hood.edu/gradforms). The title of the report will also be noted in the student's academic record.

## MASTER'S THESIS

A thesis is required in some degree programs and is an option in others. The thesis course is a 6-credit course and is graded Satisfactory (S) or Unsatisfactory (U). The grade is awarded by the thesis adviser. Final approval of the dean of the Graduate School is required for completion of the thesis project.

Registration must be completed during the regular registration period by submitting a signed copy of their thesis proposal and the Permission to Enroll form to the Office of the Registrar. Thesis courses are split into two 3-credit courses (580A and 580B), which enables the separation of registration and billing. If students elect to be registered for all 6 credits in one semester, they will be billed for all 6 credits.

A detailed statement of regulations and guidelines concerning the master's thesis is available from the Graduate School or available on our website at [www.hood.edu/gradforms](http://www.hood.edu/gradforms) and should be consulted before a student enrolls for Master's Thesis Preparation.

A thesis is a 6-credit course; the charge for Master's Thesis Preparation is in accordance with the per credit tuition as indicated in the *Graduate Tuition and Financial Arrangements* (p. 190) section of this catalog. The Registrar will continue to re-register students each Fall and Spring semester for their Master's Thesis as "IP" (In Progress) until a final grade is submitted. Students are responsible for paying the Graduate School comprehensive fee each semester until the project is completed.

The final approved thesis, must be uploaded to ProQuest and MD-SOAR in accordance with the thesis/project deadlines published in the *Academic Calendar*. Students should review the guidelines for formatting and electronic submission processes in the Final Thesis, Projects, Capstones, and Research section of [www.hood.edu/gradforms](http://www.hood.edu/gradforms).

The title of the report will also be noted in the student's academic record.

## TIME LIMITS

All coursework and degree requirements must be met within seven years of enrolling in the first course at Hood College that applies towards the degree and/or certificate program. If a student enrolls in a different certificate or master's program, and one or more of the courses from the first program will satisfy a requirement of the second program, the program director will evaluate the transcript to determine whether previously completed courses may count in the new program and how the seven-year time limit will be applied.

<b>If you started during</b>	<b>Your time expires end of</b>	<b>If you started during</b>	<b>Your time expires end of</b>
Fall 2013	May 2020	Fall 2017	May 2024
Spring 2014	December 2020	Spring 2018	December 2024
Fall 2014	May 2021	Fall 2018	May 2025

Spring 2015	December 2021	Spring 2019	December 2025
Fall 2015	May 2022	Fall 2019	May 2026
Spring 2016	December 2022	Spring 2020	December 2026
Fall 2016	May 2023	Fall 2020	May 2027
Spring 2017	December 2023	Spring 2021	December 2027

For students beginning their program of study during a summer term, their time limit will begin that Fall semester.

In extenuating circumstances, a student who is in good academic and financial standing at the College and who has completed the majority of their degree coursework, may request a one-year extension beyond their seven-year time limit through the Associate Registrar for Graduate Studies. The student must submit the request and proposed timeline of completion, along with a recommendation from their or project or academic adviser. Based on this information, the program director may grant an extension not to exceed one year. The student may appeal the outcome of the extension request to the Dean of the Graduate School. A student may request an extension exceeding one year by petitioning the Graduate Council Committee on Student Petitions (please refer to the section titled *Exceptions to Academic Policies* (p. 197)).

## TRANSFER OF CREDIT – INTERNAL AND EXTERNAL

A student may transfer a maximum of 6 graduate credits from another Hood graduate program or from an accredited institution prior to the first semester of graduate study. A student in the M.S. in Counseling or the MFA in Ceramic Arts programs may transfer up to 9 graduate credits external to Hood. Those in the DOL or DBA programs may transfer up to 6 credits of external doctoral-level work. In special cases, a student may transfer additional credits into the program beyond the stated maxima if there are extenuating circumstances, at the discretion of the graduate school dean and program director. Per the below guidelines, transfer credit for work completed elsewhere may be accepted after enrollment at Hood College with the permission of the program director and Office of the Registrar. External transfer credit does not apply toward the cumulative grade point average, but internal transfer credit does.

### Requested transfer credit must meet the following criteria:

- Courses eligible for transfer (internal or external) must have been completed no earlier than five years from the start of the current Hood graduate program;
- Courses must carry at least two semester hours of credit;
- Courses must carry a grade of B or better; courses earned on a pass/fail basis are not eligible for transfer;
- Coursework completed in one graduate program (certificate or master's) may only be utilized in one other graduate program, whether taken concurrently or sequentially.

### The procedure to transfer credits is as follows:

- The student must complete the Graduate Transfer Course Permission form, obtain the required signatures/approvals, and submit to the Office of the Registrar. Syllabi or course descriptions for the requested transfer courses must accompany the form.
- Upon completion of external coursework, the student must submit an official transcript to the Office of the Registrar to have the approved transfer credits awarded on the Hood transcript.

Students who completed Hood College certificates in the following areas within five years of enrollment in the related master's program, may apply all certificate credits towards the master's program. No additional internal transfer credit will be accepted:

- Bioinformatics certificate into Bioinformatics (M.S.)
- Ceramic Arts certificate to Ceramic Arts M.A. or MFA
- Cybersecurity certificate into Information Technology, Cybersecurity (M.S.), or Computer Science (Cybersecurity certificate courses may only be used once towards one of these master's degrees)
- Elementary STEM certificate into Curriculum and Instruction (science and mathematics concentration)
- GIS certificate into Environmental Biology
- Accounting, Financial Management or Organizational Management certificate into MBA
- Secondary Mathematics Education certificate into Mathematics Education or Mathematics Instructional Leadership
- Thanatology certificate into Counseling or Interdisciplinary Studies in Human Behavior

## CONFERRING OF DEGREES

Degrees and certificates are conferred and awarded in January, May and September. Only students earning master's or doctoral degrees participate in commencement. Students earning master's or doctoral degrees in January participate in the May commencement ceremony. Students earning master's or doctoral degrees in September participate in the May ceremony the following year. Commencement information is available online at [www.hood.edu/commencement](http://www.hood.edu/commencement), which is updated regularly. Attendance is not required, but all are encouraged to participate. For further information, see the section on *Graduation* (p. 198) in this chapter.

## Graduation

Students must complete and submit to the Petition to Graduate form to the Office of the Registrar by the established deadlines posted to the College's academic calendar to ensure they appear as candidates for the graduate date intended. The College, however, reserves the right to confer a degree on a student who has completed all of the requirements for a degree even though the student has not petitioned to graduate; such an individual would then be subject to the College's usual rules and restrictions regarding future enrollment or registration. In such cases where the College confers a degree for a student who has not petitioned to graduate, the diploma will convey the legal name listed in the student record.

The Office of the Registrar may send notices to students who have completed a minimum of 21 graduate credits (depending on the program) toward their program requirements; however, it is the student's responsibility to review the deadlines and submit the Petition to Graduate form by the established deadlines. The Petition form includes information for those planning to complete their degree requirements within a year's time. A minimum cumulative GPA of 3.0 is required for graduation.

A list of potential graduates for master's and doctoral degrees is submitted for faculty and trustee approval during their scheduled meetings. If a student petitions the Office of the Registrar but does not complete the degree requirements on schedule, the student must submit a new petition indicating a new completion date.

The College celebrates graduation in formal ceremonies in May. It is Hood's policy that only those students who have fulfilled all academic requirements and have met all financial obligations to the College may participate in commencement. Diplomas issued for September and January graduates will be available for pickup by the student in the Office of the Registrar or may be mailed to the student at his or her request. Commencement regalia may be purchased through the College bookstore.

## GENERAL POLICIES AND OPERATING PROCEDURES

### Campus Safety

The Office of Campus Safety is located on the second floor of the Whitaker Campus Center, and can be reached by calling 301-696-4548. To locate an officer on campus when the Security Office is closed, dial 0 for the College switchboard or stop by the Information Desk in the Whitaker Campus Center.

### Emergency Canceling of Classes

Many radio and television stations will announce the emergency canceling of Hood College classes. Closing will be announced in Frederick as well as in Hagerstown, Montgomery County and other locations. Courses taught at other locations are governed by the closing policy of the sponsoring agency. During inclement weather a recorded message may be heard by calling the College switchboard at 301-696-3131, option 9, by visiting our website, [www.hood.edu](http://www.hood.edu), or by subscribing to alerts through School's Out ([www.schoolsout.com](http://www.schoolsout.com)) or Hood Alert ([www.hood.edu/hoodalert](http://www.hood.edu/hoodalert)).

### Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act of 1974 (P.L. 93-380) extends to students the right of access to their education records maintained at the College. The provost, the dean of the Graduate School and the registrar maintain these records for enrolled and former students. Information and notification as to the type of record; the accessibility of and policies for maintaining, reviewing and expunging the record; and the procedures for inspecting, reviewing, obtaining copies of or challenging the record are established by the appropriate offices.

### Financial Obligations and Future Registrations

Grades, transcripts, future registrations and diplomas will be withheld until all tuition, fees and other bills incurred at the College have been paid, and all library books returned.

### Parking

Except where marked to the contrary, parking is permitted on a first-come, first-served basis on most lots on the campus. Parking permits are required for cars parked in campus lots and for students who choose to park in the Frederick Memorial Hospital parking garage. Vehicle registration forms can be completed through Self-Service and students can submit their receipt to the Office of Campus Safety or at the Information Desk to obtain their pass. Students who choose to park along the street will not be required to purchase a parking permit, but must adhere to parking signs and marked curbs.

## Religious Observance

Hood College recognizes individual student choice in observing religious holidays that occur during regularly scheduled classes. Students are responsible for work missed.

## Students with Disabilities

Hood College actively supports the rights of students with disabilities to have equal access to education. In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Hood makes every reasonable effort to accommodate the needs of students with disabilities.

Students who have a disability are asked to notify the director of accessibility services (the Student Success Center) as soon as possible. Early notification prevents delay in initiation of services and ensures the student full access to educational activities. The director, in consultation with the student, prepares a plan for services and forwards authorization for specified services (such as note taking and interpreting) to the appropriate offices on campus.

## Transcripts

*Please note we are unable to process requests for students with a financial aid, library, graduate sexual assault prevention training and/or accounting hold placed on the transcript. Please resolve the hold with the applicable department before placing a transcript order.*

Hood College has authorized the National Student Clearinghouse to provide transcript ordering. This service provides 24/7 access to ordering site; secure transactions; secure electronic transcript delivery worldwide; automatic order updates via mobile text alerts and email; and online order tracking.

All transcript orders may be placed via Self Service (no log-in necessary) or [www.getmytranscript.com](http://www.getmytranscript.com).

## Use of Facilities

Graduate students may use the academic facilities of the College in a manner consistent with the requirements of the courses in which they are enrolled and only during hours when the academic phase of the College is in operation. Graduate students may use their Graduate Student Identification Cards to gain admission to the pool and fitness center.

## GRADING SYSTEM

Instructors in graduate programs are required to use the following uniform criteria in assigning grades to students:

Grade	Meaning
A	Excellent mastery of course content and excellent ability to apply course content concepts. The work displays initiative, independence and application. In some courses, originality may be required.
B	Satisfactory mastery of course content and ability to apply course content concepts. Work indicates a grasp of the significance, interrelatedness and uses of the material covered.
C	Minimal understanding and knowledge of course concepts.

F	Unsatisfactory understanding of basic facts and principles which constitute the course content. Work receives no academic credit.
S	Satisfactory performance on thesis, field work or software engineering projects; equivalent to a minimum B grade (82%) at the graduate level.
U	Unsatisfactory performance on thesis or field work. Work receives no academic credit.
W	Withdrawal. This grade is assigned to students who withdraw after the drop/add period and according to withdrawal policy.
WX	Administrative withdrawal due to extensive absences.
INC	Incomplete work
IP	In Progress

## Plus and Minus Grades

Instructors may use plus (+) and minus (-) signs with grades to provide differentiation among students.

## Grade Points and Grade Point Averages

Each grade has a grade point value. A grade point average of 3.0 is required for graduation and for status as a degree candidate. Only prerequisite and required courses count in the GPA. requirement for graduation. A student whose GPA is below 3.0 may be dismissed for academic reasons after the academic warning period (see Academic Standing and Warning section (p. 194)).

Grade	Point Value	Grade	Point Value
A	4.00	C+	2.33
A-	3.67	C	2.00
B+	3.33	C-	1.67
B	3.00	F	0
B-	2.67	U	0

Grades of W and INC carry no point value and are not considered when calculating the GPA

## Incompletes

An incomplete may not be granted unless a student has completed at least half of the work of the course with a passing grade and by permission of the instructor and program director. A grade of "INC" (incomplete) will be assigned when illness, emergency or unusual circumstances beyond the student's control prevent the student from completing the assigned coursework and/or examination(s) by the end of the semester or session.

A student who wishes to apply for a grade of "INC" must secure and complete, with the instructor, the Application for Incomplete Grade form. This form is available in the registrar's office or online at [www.hood.edu/gradforms](http://www.hood.edu/gradforms). The course instructor will identify the deadline date for completion of the work, the conditions under which the grade of "INC" will be removed and the consequences for failure to meet those conditions. The instructor, the student, and the program director must sign and approve the Application for Incomplete Grade form and the provisions for completion. The completed Application for Incomplete



Grade form must be submitted to the Office of the Registrar no later than the date grades are due for that term.

All assignments for the course in question must be completed by March 15 for fall courses, October 15 for summer courses and August 15 for spring courses. Any subsequent request for a further extension of the incomplete grade must be submitted by the student and approved by the instructor, program director and Registrar. Upon completion of all related assignments, the grade of "I" will remain permanently on the candidate's transcript with the final grade earned beside it.

## ACADEMIC SEMESTERS AND SESSIONS

The academic year at Hood contains a fall semester, a spring semester and two summer sessions. A calendar published in this catalog gives significant dates within the semesters and sessions.

## AUDITING

With instructor permission, degree and non-degree seeking students may audit graduate lecture courses as space permits. As the term implies, auditors listen rather than engage in class discussions and projects. Auditors attend class meetings but do not write papers or take exams or quizzes. A course that was previously audited may be taken for credit at a later time. A course that was taken for credit and successfully passed, may be taken again for audit. See the *Tuition, Fees and Other Charges* (p. 190) section for rates.

Limits/Restrictions:

- The student receives neither credit, grade nor grade points for an audit; however, the audit does appear on the transcript.
- There is no limit on the number of courses that a student may audit; however, students may not exceed a combined 12 credits of for-credit and/or audit bearing coursework in a given semester.
- It is not possible to audit courses such as creative writing, studio arts and other courses where the nature of the activity requires the participation of the student.
- No changes to or from the audit option may be made after the end of the drop/add period of the academic term.

## COURSE CANCELLATION

The Graduate School reserves the right to cancel courses in which fewer than eight students are enrolled during the fall and spring semesters, and fewer than five students enrolled for summer terms. Courses may also be canceled due to unforeseen circumstances of faculty availability. In the event that a course is canceled, students will be notified, and full tuition will be reimbursed.

## DOUBLE-NUMBERED COURSES

Certain courses have been designated as appropriate for both graduate students and undergraduates. These "double-numbered courses" are identified by numbers in both the 400 and 500 range. Undergraduate students enroll in the 400-level course and receive undergraduate credit. Graduate students enroll in the 500-level course and receive graduate credit. Syllabi for such courses will clearly outline different expectations for graduate and undergraduate students. Students who took a double-

numbered class at the 400-level as an undergraduate student may not take the same class at the 500-level as a graduate student for credit.

## EXEMPTION FROM COURSES

A student may request an exemption from taking any course offered. Exemptions are granted by the department that teaches the course for which an exemption is sought. To request an exemption, the student must present a written petition to the program director that offers courses in the field where the exemption is being sought. The petition should include the course number and title for which an exemption is being requested and the justification for the request. The action of the department regarding the request will be forwarded to the Office of the Registrar, which will notify the student regarding the disposition of the request and make the necessary notations in the student's record.

Exemption does not constitute credit toward the degree. The total number of credits required for the degree program must be completed in order for the student to qualify for the degree.

## INDEPENDENT STUDY/RESEARCH

Most programs offer a course entitled Independent Study and numbered 575 for master's level and 675 for doctoral level. These courses offer students an opportunity to undertake an individual project supervised by a faculty member for topics not covered by coursework that is offered in the program. To be eligible for independent study, the student must identify a faculty member who is willing to supervise the independent study project. The College cannot guarantee that all students will be able to undertake an independent study. Students may not enroll in Independent Study topics to fulfill existing coursework offered in the program.

To register for an independent study, the student must submit to the Office of the Registrar a completed Permission to Enroll Form. The form requires a written proposal (which may be an abstract or syllabus) and signatures of the student, instructor, program director and the Registrar. Registration must be completed during the regular registration period. This form is available from the registrar's office or online at <http://www.hood.edu/gradforms/>.

The student and instructor must arrange a regular schedule for conferences and submission of work throughout the semester, including the date when the final paper is due.

A student may register for no more than 6 credits of independent study in any master's degree or certificate program and no more than 8 credits for the doctoral program. A student may register for 1, 2 or 3 credits of independent study during any semester or during the summer session.

## CONTINUOUS ENROLLMENT AND LEAVE OF ABSENCE POLICY

Once admitted to a graduate program at Hood College, students are expected to continue a course of study each full semester (Fall and Spring semesters) in the academic year.

In certain circumstances, students are permitted to take a leave of absence. To take a leave of absence, students must complete a *Request for Leave of Absence* form online at <http://www.hood.edu/gradforms>. This form must be completed for any Fall or Spring semester for which a student is not registered for a course; a *Request for Leave of Absence* is not required for Summer terms. Students are permitted to request one semester or two consecutive semesters of leave. If a student takes a leave of absence for two consecutive semesters, they must enroll in the next semester (fall or spring) or be withdrawn from the College. Leaves of

absence do not affect or extend the seven (7) year time limit for completion of graduate coursework.

Students are required to register for at least one course every semester (excluding summer). If students do not enroll, nor submit the *Request for Leave of Absence* form, they will be withdrawn from the College and will need to request readmission through the registrar's office. If accepted, the returning student will enter under the catalog in place at the time of readmission.

## REGISTRATION AND ENROLLMENT

A student must be officially admitted and registered prior to attending any class session of any course. Courses and schedules of classes are announced well in advance of the beginning of each semester and summer session. Dates and hours when students may register and instructions for registering are available online at [www.hood.edu/gradregister](http://www.hood.edu/gradregister). Students are encouraged to register online using Self-Service.

Students are responsible for seeing that they have met all appropriate prerequisites before registering for courses. Failure to meet course prerequisites places the student at risk and will not be considered as cause for a refund of tuition. Students who have not met prerequisites will require approval by their academic adviser and/or the instructor. Non-degree seeking students may be required to seek permission from the appropriate instructor or program director in order to enroll. Because some courses may be closed due to heavy student enrollment, students are encouraged to register early. Students nearing the completion of their programs should register as early as possible to avoid facing closed classes. The regular registration period continues through the drop/add period of the semester as defined on the Academic Calendar.

## REPEATING COURSES

There are limited circumstances under which a graduate student may retake a course. A course may be repeated only once and no more than two courses can be repeated by a student within any single degree or certificate program. The grade of W does not replace a previously awarded grade. When the course is repeated, the student receives the credits for the course (counted once). While both grades will remain on the transcript for historical purposes, only the higher of the two grades will be calculated in the cumulative GPA. A graduate student may repeat a course if more than seven years have lapsed or the course content is considered outdated. Grades for courses taken at other institutions may not be used to replace grades for courses completed at Hood. Courses taken for undergraduate credit may not be repeated for graduate degree credit.

## ATTENDANCE AND ABSENCE

The College does not set a maximum number of absences permissible in any course. Individual faculty members have the prerogative to establish a maximum number of absences at the beginning of the semester and are encouraged to include a written statement of their attendance policy on the course syllabus. Students accept full responsibility for seeing that work does not suffer from excessive absence.

The College recognizes that there are other justifiable reasons for class absence: observance of religious holidays or illness. Such absences are acceptable only if previous absences are not excessive and if the student has made arrangements with the instructor, prior to the day of the

absence, for the work missed. Due to Homeland Security requirements for full-time enrollment, students with F-1/J-1 visas may not withdraw from any coursework in the Fall and Spring semesters that lowers their course load below full-time status (9 credits). A student with an F-1 or J-1 visa who chooses to withdraw from coursework, dropping them below full-time status, will be in violation of Homeland Security regulations and will have their visas terminated. Failure to attend class or properly withdraw will result in a grade of F.

### Limits/Restrictions:

- For face-to-face courses, students must attend the first class meeting of each of their courses. For online courses, students must participate in the online class as outlined in the syllabus during Week 1 of the semester. Failure to do so or failure to notify the instructor or the registrar's office of their absence, risk being withdrawn from the class with a grade of WX.
- Enrollment in a course constitutes an informal contract with the instructor, and a student who violates an instructor's attendance or participation policy risks dismissal from the course. Instructors may have a student withdrawn from a class and a grade of WX recorded up until the deadline for course withdrawal. After the course withdrawal deadline has passed, the student receives a grade of F.
- A student who is dismissed from a course for excessive absences or who is withdrawn from the class for failing to appear at the first class meeting may be reinstated only by the joint consent of the course instructor and the registrar.
- Classes are held up to the date and hour preceding vacations and they resume promptly after the recess in accordance with the academic calendar. Students are expected to attend classes meeting just prior to and immediately following holiday periods.
- Students are fully responsible for making up work missed due to class absence. When students are absent, they are responsible for obtaining lecture notes from reliable sources. Assignments and projects are to be delivered to the instructor on the assigned date, even when the student does not attend class. All exams are to be taken at the scheduled time. Having another exam scheduled on the same day is not considered sufficient justification for rescheduling the exam.
- Students who withdraw or are withdrawn from coursework after the designated drop/add period, are responsible for all tuition and fees associated with that coursework.

## SCHEDULE CHANGES

Students may drop or add courses through Self Service throughout the registration period until the day before the semester/term begins. Drop/add requests after the semester begins and during the drop/add period as outlined in the Academic Calendar, must be processed in writing with the Office of the Registrar. A student may be added to a class once the semester begins, provided the class has not met more than once and with the written permission of the instructor. During the summer sessions, the substitution or addition of courses is limited to the first two days of classes. All schedule changes must be submitted in writing (see registration and course withdrawal forms online at [www.hood.edu/gradforms](http://www.hood.edu/gradforms)).

## STUDENT COURSE LOAD

To be considered full time, a graduate student must pursue 9 hours of credit each fall and spring semester. Students may start or continue their degree in summer semesters. Three credits of approved graduate coursework are considered full-time enrollment in summer semesters only. In gauging the amount of time required for study in preparation for classes, the Graduate Council recommends that three or more hours of study be reserved for each hour of class. This is a general recommendation and may vary depending upon the course and individual differences in each student's background. Due to the rigorous nature of graduate coursework, students are encouraged to limit enrollment to 9 credits each fall and spring semester, however in programs where appropriate, a student may take 12 credits a semester after consultation with their academic advisor.

International students with student visas (F-1) must enroll in nine (9) hours of credit each fall and spring semester to be considered full-time graduate students, unless enrolled in their final semester of coursework and they have a Petition to Graduate on file with the registrar's office. If a student is in their final semester and has completed all degree requirements, except the internship (CPT) course (usually numbered 597), registration in any CPT course satisfies full-time enrollment. Otherwise, if an F-1 student elects to complete CPT in a semester prior to their final semester, it must be part of the 9-credit minimum enrollment normally required.

A current graduate student may not enroll in more than 12 credits per term without written permission by the program director and academic adviser. Permission may be granted after the program director and academic advisor consider: the student's rationale for the request provided by the student in a brief, written statement which will be submitted to the Office of the Registrar no later than two weeks before the start of the term in consideration; and achievement in courses completed at Hood College.

A student enrolling in their first term at Hood College may not register for more than 12 credits.

## STUDENT GUIDELINES FOR ONLINE AND HYBRID COURSES

### I. Definitions

**A. Distance Education:** Education that uses one or more technologies to deliver instruction to students who are separated from the instructor and to support regular and substantive interaction between the students and the instructor synchronously or asynchronously.

**B. Distance Education Programs follow the U.S. Department of Education definition, whereby all required coursework for program completion is able to be completed via distance education courses.**

### C. Course Categories:

1. Traditional Courses have a significant portion of class sessions with the learner(s) and the instructor(s) in the same location. Between 0% - 29% of the content in such courses may be delivered online, but 30% - 100% must be delivered in-person to fit this category of course.
2. Hybrid Courses offer 30-49% of all class sessions online with the remaining portion (70-51%, respectively) offered in a traditional in-person classroom. A hybrid course is not an online course.

3. Online Courses follow the U.S. Department of Education definition, which requires 100% of all content, assessment and course activities to be completed online.

<sup>1</sup> <https://nces.ed.gov/ipeds/>

### II. Student Requirements and Expectations

1. The ability of students to succeed in the online environment depends on their ability to understand the class structure and the technology of online content delivery, online interactions, motivation and self-discipline.
2. Online courses are part of the student's regular course load, and they are counted the same as on-campus courses.
3. Students enrolling in online courses or programs must have reliable internet access and be able to successfully navigate the LMS and use the required technologies.
4. In addition to the standard teaching evaluation students complete for all Hood College courses, students are required to complete a few additional questions on the evaluation specific to the online delivery of a given course.

### III. Student Integrity and Authentication

1. Students are issued a unique username and password for access to Hood's LMS.
2. Proctored exams requiring the student to be present on campus may only be used in hybrid courses.
3. Faculty may use other means or technologies to authenticate the work of online students (e.g., proctored exams, special software, web cameras). If a faculty member chooses to use additional means of authenticating the work of online students, the students must be informed in writing at the time of course registration of any actual and/or projected associated costs (e.g., cost of specialized software, estimated cost of web camera). Any projected additional student costs associated with verification of student identity/authentication of online student work must be approved by the graduate dean following a recommendation from the program director.
4. Students in all courses and programs, regardless of delivery format, must adhere to Hood's Academic Integrity policy.

**IV. Student Privacy:** Student privacy in all courses and programs regardless of delivery format is protected as per the Policies and Procedures Relating to the Family Education Rights and Privacy Act.

### V. Technical Support

1. The institution provides online students with reasonable technical support for each educational technology hardware, software, and delivery system required in a program.
2. Online students will have direct access to telephone and online chat technical support during business hours (9-5pm EST) and offline (email) support at all other times.
3. Technical support should be timely and reply to students within a reasonable timeframe, preferably within 24 hours if not sooner.

## WITHDRAWAL FROM CLASSES AND REFUNDS

Notification of withdrawal must be in writing and must indicate the course number and section. Students are encouraged to withdraw by submitting the online withdrawal form via secure email submission. Students may also withdraw by sending an email to hoodgrad@hood.edu or by coming to the registrar's office in person. It is the student's responsibility to call to ensure receipt. Refunds will be given if the drop/withdrawal notice is received by the Registrar before the first course meeting or within the drop/add period as defined by the academic calendar. The drop/add period for summer terms is the first week of each term. After the first class meeting and within the drop/add period, there is an 80% refund/credit and the student is responsible for 20%. **Refunds will not be granted for withdrawals received after the drop/add period.** Withdrawal notices received before the course begins or during the drop/add period will not appear on the student's transcript. Tuition refunds are based on the full tuition charge for the course. A grade of W (indicating withdrawal) will be noted on the student's transcript for withdrawals that occur after the drop/add period. This notation carries no academic penalty. A student who does not give official notice of withdrawal will not be eligible for refunds and a grade of F (Unsatisfactory) will be recorded on the permanent record.

It is the responsibility of the student to notify the Office of the Registrar in writing that she or he is withdrawing.

A graduate student may withdraw from a course by the withdrawal deadline as posted in the Academic Calendar (p. 4). After the deadline, a student may not withdraw from a course. Students enrolled in a 3-credit course that meets for two weekends during the semester may withdraw from such class by submitting an official, written withdrawal notification to the Office of the Registrar before the second weekend meeting date. Withdrawals for 1-credit weekend courses are not accepted once the class has met.

The Office of Financial Aid is required to recalculate federal financial aid eligibility for students who withdraw. Up through 60 percent of the semester, a pro rata schedule is used to determine how much federal aid a student has earned at the time of withdrawal. The portion of unearned aid must be returned to the federal programs. When unearned aid is returned a student may owe the College additional funds.

**Failure to begin or ceasing to attend classes does not constitute official notice of withdrawal or reason for refund/credit on tuition. It is the responsibility of the student to notify the Office of the Registrar in writing of the student's desire to withdraw from a class.**

## WITHDRAWAL FROM HOOD COLLEGE

Students who wish to withdraw from the College must submit the Graduate Withdrawal from the College form, found at [www.hood.edu/gradforms](http://www.hood.edu/gradforms). Students who wish to re-enroll at the College after they have withdrawn must submit the Graduate Readmission Request form ([www.hood.edu/gradforms](http://www.hood.edu/gradforms)). Readmission is granted into the same program of original enrollment, under the catalog and program requirements in place at the time of readmission. Students who wish to be readmitted to a different program must apply through the Graduate School. Students withdrawn from the College due to dismissal must

submit a petition for reinstatement to hoodgrad@hood.edu for review by the Graduate Council Sub-Committee on Student Petitions.

Students who do not complete their program of study within their seven-year time limit will be automatically withdrawn from the College. Please refer to the section on *Time Limits* (p. 197) for information regarding time extensions.

## EXCEPTIONS TO ACADEMIC POLICIES

Exceptions to academic policies as stated in this catalog or elsewhere are rarely made. A student who believes an exception is justified may petition the Graduate Council through the Associate Registrar for Graduate Studies. The petition should include:

1. The student's name, Hood ID number, email and phone number;
2. The expected date of graduation;
3. The specific exception being requested and the reason(s) for the request;
4. A timeline of completion, in the case of time limits and/or academic performance issues;
5. Letters/statements from the academic adviser and program director addressing whether or not they support the petition. In the case of thesis or project petitions, a letter from the thesis or project adviser is also required.

The petition and supporting documentation will be reviewed by the Graduate Council Sub-Committee on Student Petitions. The associate registrar for graduate studies will notify the student of the Committee's decision. The student may appeal the outcome to the dean of the graduate school. A student may not petition for reinstatement more than once.

## GRADE APPEAL

If a student receives a final grade in a course that she or he believes is incorrect or unfair, he or she may appeal that grade by following this procedure:

- Student must contact the faculty member involved, in writing, within 30 calendar days of the posting of the disputed grade. The grade appeal request must outline the specific grievances about the grading procedure, grounds for appeal and attach relevant documentation (syllabus, guidelines for papers or presentations etc.).
- If, after hearing the instructor's explanation, the student still wishes to appeal the grade, she or he must present the grade appeal to the program director within 30 days of notification from the instructor.
- If the student is still not satisfied, the student may make a final appeal to the dean of the Graduate School. In such cases, the dean must be contacted prior to the end of the term immediately following the semester the grade was posted.
- Failure to follow this timeline provides sufficient grounds for dismissing an appeal. In each stage of the appeal process, the student will receive a letter stating the reviewer's recommendation within 30 days of initiation.
- All parties to the grade appeal (student, instructor, program director, dean) are to maintain strict confidentiality until the matter is resolved.

## GRADUATE STUDENT CONDUCT

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As part of Hood's mission to prepare students for lives of responsibility and leadership, the Graduate School expects students to maintain a high standard of student conduct. Graduate students are expected to take personal responsibility for their own conduct. Hood College reserves the right to suspend, dismiss or otherwise discipline a student who violates the policies or regulations with respect to student conduct. In addition, the Graduate School may request that a student withdraw for reasons of conduct detrimental to the College community.

The Graduate School defines disruptive conduct in the following way:

The disruptive student is one who continues to make unreasonable demands for time and attention from faculty and staff and habitually interferes with the learning environment by disruptive verbal or behavioral expressions, threatens or abuses members of the College community or willfully damages college property. The result is a disruption of academic, administrative, social or recreational activities on campus.

Students are asked to refrain from behaviors that include, but are not limited to:

- Behaviors that disrupt or interfere with teaching, research or other academic activities
- Behavior that can lead to physical harm
- Physical or verbal threats, intimidation that may interfere with another's full participation in the life of the College
- Conduct that constitutes sexual harassment or any violation of Policy 55
- Refusing to comply with directions of school officials, instructors, administrators or staff

A complaint of alleged student misconduct should be filed with the dean of the Graduate School by a member of the faculty, staff or student body. All allegations should be filed in writing within 14 calendar days of the incident with the exception of a violation under Policy 55 (see policy on Hood's Human Resources site). The dean will provide a thorough investigation of the incident and take appropriate action. These sanctions may include:

- Warning: written notice to the student that continued and/or repeated incidents/violations may be cause for further disciplinary action (reprimand, dismissal). A permanent record of the incident report will be retained in the student's file. Additionally, the warning may include referrals to appropriate office for assistance.
- Reprimand: written reprimand for the violation of specified conduct or policy including notice to the student that repeated violation may result in further disciplinary action.
- Dismissal: termination of student status at the College.

## APPEAL PROCESS

Within 14 calendar days of receiving notification from the dean concerning the decision, the student may submit a written request to the

Graduate Council Subcommittee at hoodgrad@hood.edu for reconsideration. This reconsideration must be based on procedural errors or new information not available at the time the complaint was lodged with the dean. The Graduate Council Subcommittee will then review the sanction and proceedings and report its findings to the student and dean. The student can make a final written appeal of the outcome to the provost within 14 calendar days after receiving the sub-committee's decision. The student can make a final appeal of the outcome to the provost.

## GRADUATE ACADEMIC PROGRAMS AND FIELDS OF STUDY

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## BIOINFORMATICS, M.S.

**Program Director:** Miranda Darby, Ph.D., darby@hood.edu, 301-696-3650

Bioinformatics is a multidisciplinary field that combines biology, computer science, and mathematics to develop methods for the processing and interpretation of biological data. The M.S. in Bioinformatics is designed to ensure that students develop expertise in both the biological and computational concepts needed in today's research and corporate biotech labs. Bioinformatics is a complex field that drives biological research through the development of computational tools. Students will acquire a full complement of skills that are highly sought regionally, nationally, and abroad. Employers are seeking bioinformaticians with a strong understanding of the underlying biology and the ability to analyze and interpret complex data. Students will learn to perform robust and reproducible analyses using existing computational resources and will gain the skills necessary to build new computational tools adapted to evolving data types. In addition, students will develop the leadership and communication skills necessary to function effectively in a complex matrix environment. Students are encouraged to showcase their skills through internships or collaborative projects, and the degree culminates in a hands-on capstone or thesis experience that can be performed at a wide variety of nearby federal and corporate biotech labs.

The MS in Bioinformatics has the following learning outcomes:

- Demonstrate proficiency in R, Python, Unix/Linux and an understanding of programming best practices.
- Obtain, utilize, archive, and share data using the best practices for reproducible research.
- Understand, interpret and present results from “-omics” data, including Next Generation Sequencing results.
- Apply principles of machine learning to identify and interpret patterns in data.
- Utilize leadership skills to plan and execute a project in a matrix environment.

#### Application Requirements:

Students wishing to enter the program must have 1) a completed undergraduate degree (BA or BSc) in a life science or computer science field with a GPA of 2.75 or higher; or 2) an in-progress or completed Hood College Certificate in Bioinformatics with a 3.0 or higher; or 3) a completed Master's degree (MA or MSc) in a biology-related field or computer science related field with a 3.0 or better.

## PROGRAM REQUIREMENTS

The 33-credit M.S. in Bioinformatics includes 18 credits of required foundational coursework, 3 credits of a final capstone project, and 12 credits of elective coursework. All of the classes are taught in the evening by experts in the field who interact personally with their students. The degree includes a required “gateway” foundational course that differs according to the student's background in either biology or computer science. The coursework includes the following:

#### Foundation Courses

BIFX 501/BMS 501	Foundation in Life Sciences (for non-Life Scientists) or	3.0
BIFX 502	Foundations in Computer Sciences (for non-Computer Scientists)	3.0
BIFX 503	Statistics for Bioinformatics	3.0
BIFX 530	Applied Database Systems	3.0
BIFX 545	Leading Reproducible Research	3.0
BIFX 550	Nucleic Acid Sequence Analysis and Protein Modeling	3.0
BIFX 551	Programming for Bioinformatics	3.0

#### Elective Courses - 12 credits required

BIFX 504	Advanced Molecular Bio for Bioinformatics	3.0
BIFX 546	Knowledge Reasoning and Machine Learning	3.0
BIFX 547	Web-based Bioinformatics and Applications in Life Sciences	3.0
BIFX 548	Data Visualization for Bioinformatics	3.0
BIFX 552	Bioinformatics Applications I	3.0
BIFX 553	Bioinformatics Applications II	3.0

#### Capstone or Thesis

BIFX 579	Capstone Project or	3.0
BIFX 580A	Bioinformatics Master's Thesis I and	3.0
BIFX 580B	Bioinformatics Master's Thesis II	3.0

## BIOMEDICAL SCIENCE, M.S.

**Program Director:** Ann Boyd, Ph.D.; boyda@hood.edu; 301-696-3683

The Master of Science degree in Biomedical Science is a 33-credit program of graduate research and academic study developed for:

- Persons holding a bachelor's degree and currently employed in a biomedical or biotechnological research establishment who are seeking additional academic background as part of a career and professional growth program;
- Teachers and other professionals with interests in biomedical science who wish to obtain a graduate degree; and
- Professionals already holding advanced degrees who desire to update or extend their previous academic experiences in biomedical or biotechnological sciences.

The courses are taught in the evenings, thus, the program offers an alternative to conventional graduate education for those who work full time.

### Application Requirements

Applicants will be accepted into the program based on selection criteria that include undergraduate coursework, grade point average, area of research interest and experience. Relevance of the undergraduate degree is considered. Priority is given to students who majored in biology, biochemistry or chemistry. Undergraduate coursework required includes completion of the following with a **grade of B or better**: microbiology, organic chemistry, upper level genetics (equivalent to Hood's BIOL 316), and cell biology (equivalent to Hood's BIOL 339). All official transcripts must be submitted. In addition, an essay that discusses the student's work experience and future goals is required.

For additional admission information, see *Graduate Admission* (p. 189).

The program in biomedical science is administered within the Department of Biology by the director of the Biomedical Science Program, assisted by an Advisory Council and Faculty for Biomedical Science.

### Dual Degree

Students majoring in Biology or Biochemistry may during their junior year apply to the BMS program for dual degree status. If accepted in the program, students may take some of the required and elective courses at the 400 level as undergraduates and not repeat them during the graduate degree phase. In the senior year the student may pursue research for the undergraduate capstone requirement and pursue more in depth research for the Master's thesis. A student in dual degree status may apply 9 credits of 500-level BMS courses toward both undergraduate and graduate degrees with prior approval.

## PROGRAM REQUIREMENTS

### Prerequisite Course

The prerequisite course provides background knowledge and skills necessary for the completion of the degree requirements. Students admitted to the BMS program that do not meet all of the academic requirements for admission to the program will be required to take this course in addition to the 33 credits required for program completion.

BMS 501/BIFX 501	Foundations in Life Sciences	3.0
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### Core Courses (all concentrations)

The core courses provide a foundation for electives in either curricular concentration: Biotechnology/Molecular Biology or Microbiology/Immunology/Virology

BMS 511/BIOL 411	Protein Biochemistry	3.0
BMS 523	Cell Structure & Function	3.0
BMS 524/BIOL 424	Molecular Biology of Eukaryotic Cells	3.0
BMS 537/BIOL 437	Introduction to Bioinformatics	3.0

### Curricular Concentrations

Students are encouraged to select elective courses within a concentration. The curricular concentrations are the faculty's suggestions to help ensure a cohesive program of coursework. However, students, in consultation with their academic advisers, may select a combination of elective courses individualized to their own needs and interests.

#### Concentration in Biotechnology/Molecular Biology

BMS 512/BIOL 412	Biochemistry of Intermediary Metabolism	3.0
BMS 520	Protein Purification and Characterization	3.0
BMS 525/BIOL 425	Virology	3.0
BMS 528/BIOL 428	Immunology	3.0
BMS 534/BIOL 434	Basic Principles & Methods in Molecular Genetics	3.0
BMS 535	Advanced Topics in Recombinant DNA Technology: Gene Transfer, Expression, and Detection	3.0
BMS 539	Molecular Immunology	3.0
BMS 540	Advanced Topics in Recombinant DNA Technology: Genome Analysis & Mapping	3.0
BMS 541	Advanced Topics in Recombinant DNA Technology: Gene Structure & Function	3.0
BMS 542	Ethics in Science	3.0
BMS 552	Biomedical Literature Review	3.0
BMS 590	Advanced Topics in Biomedical Techniques	3.0
BMS 597	Internship	1.0-3.0
ENV 505	Biostatistics	3.0

#### Concentration in Microbiology/Immunology/Virology

BMS 512/BIOL 412	Biochemistry of Intermediary Metabolism	3.0
BMS 525/BIOL 425	Virology	3.0
BMS 527	Pathogenic Microbiology	3.0
BMS 528/BIOL 428	Immunology	3.0
BMS 533	Medical Virology	3.0
BMS 539	Molecular Immunology	3.0
BMS 541	Advanced Topics in Recombinant DNA Technology: Gene Structure & Function	3.0
BMS 542	Ethics in Science	3.0
BMS 543	Advanced Immunology	3.0
BMS 552	Biomedical Literature Review	3.0
BMS 590	Advanced Topics in Biomedical Techniques	3.0
BMS 597	Internship	1.0-3.0
ENV 505	Biostatistics	3.0

### Thesis Track Requirements

BMS 580A	Four core courses	12.0
BMS 580B	Five elective courses	15.0
	Biomedical Science Thesis A	3.0
	Biomedical Science Thesis B	3.0

BMS 580 (A and B): under the direction of a thesis adviser and a reading committee (3 credits for each section; 6 total thesis credits).

An oral defense of the thesis is required.

The following courses are labs: BMS 520, BMS 527, BMS 534, BMS 535, BMS 539, BMS 541

#### Non-thesis Track Requirements

	Four core courses	12.0
	Six elective courses, three of which must be laboratory lecture courses	18.0
BMS 571	Biomedical Science Seminar	3.0

The following courses are labs: BMS 520, BMS 527, BMS 534, BMS 535, BMS 539, BMS 541

## BUSINESS ADMINISTRATION, MBA

**Program Director:** Tianning Li, Ph.D.; li@hood.edu; 301-696-3688

The goal of the MBA curriculum is to provide students with a comprehensive professional education that prepares them for responsible leadership and management positions in business and public service. Students take a creative and innovative approach to solve complex problems in today's global business environment by integrating business theory and practical application. The importance of making both socially and ethically responsible decisions in today's business world is stressed. In addition to the versatility of a broad business education, the program empowers students to think entrepreneurially and become thought leaders in reshaping, re-imagining and reinventing modern business.

The program is designed for full and part-time students who wish to complete their MBA by taking classes in the evening (with the option for some weekend courses in an accelerated format). Students who majored in business administration at the undergraduate level may complete the program in as few as 36 credit hours. Teaching methods used include lectures, discussions and case studies. Strong faculty and student involvement and interaction in and out of the classroom are designed to improve students' leadership, team-building, critical-thinking and communication skills.

The MBA program is accredited by the Accreditation Council for Business Schools and Programs, whose mission is to promote "continuous improvement and recognize excellence in the accreditation of business education programs around the world."

At Hood, *it is not business, as usual*. The MBA program is designed to be personally enriching and professionally rewarding.

All students enrolled in the MBA program are required to have a Chalk and Wire account. The student will be billed for a non-refundable one-time only fee of \$95 to receive a four-year plus license to Chalk and Wire.

#### Application Requirements

Submit official transcripts from all institutions attended.

Students applying for the MBA program must complete an essay of 250 words or less that includes background experience and future goals. All official transcripts must be submitted. Students whose cumulative GPA from their conferring institution is below 3.0 must also submit a résumé and two letters of recommendation, which can be emailed to the Graduate School at [gofurther@hood.edu](mailto:gofurther@hood.edu).

For additional admission information, see *Graduate Admission* (p. 189).

All students enrolled in the MBA program are required to have a Chalk and Wire account. The student will be billed for a non-refundable one-time only fee of \$95 to receive a four-year plus license to Chalk and Wire.

*NOTE: Course substitutions are not permitted. A student may be exempted from these requirements by petition to the program director. The petition must be in writing and, if approved, written evidence of the exemption must be forwarded to the Office of the Registrar by the program director. The exemption is made a part of the student's record. When a course is formally exempted, another course must be taken. Exemption does not constitute credit.*

## PROGRAM REQUIREMENTS

### Foundation Courses

Six foundation courses (18 credit hours) are designed to provide a background for students who did not take courses in business administration at the undergraduate level. Students who have completed appropriate undergraduate coursework may be exempted from foundation courses. Students who have taken appropriate undergraduate coursework over an extended period (5 years or longer) may be required to take foundation courses. The MBA director will make the decision on a case-by-case basis. It is expected that students meet the foundation requirements before they enroll in core requirements. Any exceptions to this must be approved by the MBA director. Any foundation courses required are in addition to the 36 credits required for program completion.

ECON 551	Foundations of Economics	3.0
MGMT 551	Management Theory	3.0
MGMT 552	Quantitative Methods for Managers	3.0
MGMT 553	Foundations of Accounting	3.0
MGMT 554	Legal Environment of Business	3.0
ECMG 556	Statistics for Management or	3.0
MATH 500	Statistics	3.0

### Core Requirements

Ten core courses (30 credit hours) provide a common body of knowledge and are required of all students in the MBA program. These courses provide a solid foundation in the functional areas of business, such as finance, marketing, and accounting and expose students to the environmental factors affecting business operations. Included in the core is a capstone course, MGMT 590 Strategy and Competitive Advantage, which is taken by MBA students in their final semester of study after all other core courses have been completed. Students must meet the prerequisite requirements before enrolling in a class. Any exceptions to this policy must be approved by the academic adviser.

ECON 560	Managerial Economics	3.0
MGMT 560	Leadership & Organizational Behavior	3.0
MGMT 561	Financial Management	3.0
MGMT 562	Financial & Managerial Accounting	3.0
MGMT 563	Marketing Management	3.0
MGMT 564	Production & Operations Management	3.0
MGMT 565	International Management	3.0
MGMT 566	Information Management & Technology	3.0
MGMT 567	Organizational Sustainability	3.0
MGMT 590	Strategy & Competitive Advantage	3.0

### Focus Area Courses

Students are required to complete two elective courses. Students may elect to take courses in one focus area (accounting, data analytics, finance, human resource management, information systems, marketing or public management) or may take courses from two different focus areas to receive a general management MBA. No substitutions are allowed with



regard to any focus area courses. Courses may count for requirements in two focus areas, but the credits can only count toward one. Six credits are required for each focus area.

#### Accounting Focus Area

MGMT 568	Accounting Information Systems	3.0
MGMT 580	Strategic Cost Management	3.0
MGMT 581	Financial Statement Analysis	3.0

#### Data Analytics Focus Area

ITMG 516	Introduction to Data Analytics and Business Data Mining	3.0
CSIT 512	Elements of Computer Programming or	3.0
ITMG 524	Advanced Data Analytics with R	3.0

#### Finance Focus Area

MGMT 576	Advanced Financial Management	3.0
MGMT 577	Portfolio and Investment Management	3.0
ECMG 578/ECMG 478	International Financial Management	3.0
MGMT 581	Financial Statement Analysis	3.0

#### Human Resource Management Focus Area

MGMT 582	Negotiation & Conflict Resolution	3.0
MGMT 585	Human Resource Management	3.0

#### Information Systems Focus Area

Students may select courses in Information Systems by selecting two graduate computer science courses with the consent of their adviser and the director of the Computer Science program.

#### Marketing Focus Area

MGMT 570	Marketing Analysis for Managers	3.0
MGMT 571	Advertising Management	3.0
MGMT 572	Supply Chain Management	3.0

#### Public Management Focus Area

MGMT 585	Human Resource Management	3.0
MGMT 587	Public Administration	3.0

## CERAMIC ARTS, M.A.

**Program Director: Chaz Martinsen; martinsen@hood.edu; 301-696-3526**

The Master of Arts in Ceramic Arts program offers academic training in the aesthetics, science, technology and management of a career in the ceramic arts. Lectures and critiques provide students with an understanding of the history of ceramics and the issues and ideas that underpin contemporary work in all aspects of the medium, as well as a firm grounding in the science of glaze formation, clay development and firing theory. Practical application of the science and technology of the ceramic arts will combine with skill building and individual exploration to develop exhibition-quality work demonstrating personal aesthetic expression. The M.A. requires an exhibition of original ceramic art work and culminates in a comprehensive exam. With full time study, the Master of Arts in Ceramic Arts may be accomplished in two calendar years; part time study allows up to seven years for completion.

#### Objectives:

- The student will gain a broad knowledge base of a variety of studio art media, develop technical skills, gain an awareness of historical movements and comprehend universal aesthetic concepts.;
- The student will develop the ability to observe, cultivating analytical and creative thinking skills.

- The student will develop a process for articulating aesthetic ideas and the ability to communicate their personal aesthetic intentions visually in their art work, verbally and in written form.

#### Application Requirements

Candidates for the M.A. program must have obtained a prior baccalaureate degree, B.A. or BFA as a studio arts major or equivalent training in ceramic arts.

To be considered for admission to the M.A. program, students must meet the admission requirements of the Hood College Graduate School.

Interested parties must submit:

A completed application to the Hood College Graduate School as well as submitting official transcripts from all institutions attended. All applicants should submit a portfolio on CD of 20 images of personal work as 300 dpi digital images; a slide/image index with written objectives for the body of work; a résumé; an essay (no more than 500 words) discussing how the M.A. relates to previous experience, current direction, career and academic goals; and two letters of recommendation from individuals familiar with the applicant's recent work.

### PROGRAM REQUIREMENTS (36 CREDITS REQUIRED)

#### Core Courses - 17 Credits

ARTS 501	Glaze Application	1.0
ARTS 502	East Asian Wedged Coil Technique	1.0
ARTS 504	Ceramic Decoration	3.0
ARTS 505	Ceramic Wheel: Masters' Throwing Concepts	2.0
ARTS 508	Ceramic Sculpture	3.0
ARTS 512	Eastern & Western Tech in Trimming	1.0
ARTS 522	Glaze Calculation, Theory & Practice	3.0
ARTS 525	Electric Kilns	1.0
ARTS 530	Kiln Technology & Firing Theory	2.0

#### Art History, Aesthetics and Criticism Courses - 6 Credits

ART 504	Iconography and Iconology	3.0
ARTS 543	History of Ceramic Arts	3.0
ARTS 564	Aesthetics and Criticism	3.0
ART 568/ART 468	Contemporary Topics in Visual Art	3.0

#### Capstone Courses - 4 Credits

ARTS 569	Survival Skills for Visual Artists	1.0
ARTS 570	Seminar in Personal Studio Research	3.0

#### Practicum and Written Exam

Comprehensive Exam

#### Ceramic Art Electives - 9 Credits

##### Wheel

ARTS 506	Ceramic Wheel: Masters' Throwing II	2.0
ARTS 507	Plates and Platters	1.0
ARTS 509	Throwing Large Forms	3.0
ARTS 517	Dynamic and Asymmetrical Wheel	3.0

##### Handbuilding and Sculpture

ARTS 542	Modeling the Figure	3.0
ARTS 545	Large Scale and Composite Sculpture	3.0

##### Kiln Technology

ARTS 531	Wood Firing Theory	2.0
ARTS 532	Firing Large Scale Wood Kiln	2.0
ARTS 533	Soda Firing Theory and Practice	2.0
ARTS 540	Clay/Glaze Chemistry Theory & Practice	3.0

##### Special Topics Courses

ARTS 520	Photographing Ceramics	1.0
ARTS 547	Creating with Porcelain	3.0

ARTS 564	Aesthetics and Criticism	3.0
ARTS 574	Advanced Studies in Ceramic Arts	3.0
ARTS 575	Independent Study	1.0 - 3.0
ARTS 590	Teaching Assistant in Ceramic Arts	1.0 - 4.0
ARTS 599	Special Topics in Ceramic Arts	1.0 - 3.0

## CERAMIC ARTS, MFA

**Program Director: Chaz Martinsen; martinsen@hood.edu; 301-696-3526**

The Master of Fine Arts in Ceramic Arts offers comprehensive research in the ceramic arts, and provides academic preparation for matriculating students pursuing professional careers in personal artistic exploration, arts instruction at all levels, community arts programs and museum positions. Creation of ceramic art is a multidisciplinary confluence of science and art. The production of three-dimensional works of art in the ceramic medium is a continuing exercise in critically assessing the results of a complex series of deliberate experiments culminating in an aesthetic judgment, documentation and exhibition. The MFA degree program will ground students in the scientific requirements of ceramic arts and develop critical understanding of the aesthetics involved in exploring the third dimension. Innovative experiential process is the basis of the Hood College ceramic arts program history and the major thrust behind the curriculum.

### Objectives:

- The student will gain a broad knowledge base of a variety of studio art media, develop technical skills, gain an awareness of historical movements and comprehend universal aesthetic concepts.
- The student will develop the ability to observe, cultivating analytical and creative thinking skills.
- The student will develop a process for articulating aesthetic ideas and the ability to communicate their personal aesthetic intentions visually in their art work, verbally, and in the written word.
- The student will develop a critical understanding of art, aesthetics and cultural education
- The student will gain a sense of purpose and responsibility for the role an artist plays in society and how an artist effects societal change.
- The student will develop the ability to analyze formal design issues both literally and conceptually.
- The student will gain the ability to seek the challenge of higher learning environments, to become confident artists, intellectually sound risk takers, career oriented professionals and ultimately empowered citizens meeting the challenges of today's society.

### Application Requirements:

Candidates for the MFA program must have earned a baccalaureate degree, B.A. or BFA as a studio arts major. To be considered for admission to the MFA program, students must meet the admission requirements of the Hood College Graduate School. Interested parties must submit a completed application to the Hood College Graduate School as well as submitting official transcripts from all institutions attended. All applicants should submit a portfolio of 20 images of

personal work as 300 dpi digital images on a CD or thumb drive; an image index with written objectives for the body of work; a résumé; an essay (no more than 500 words) discussing how the MFA relates to previous experience, current direction, career and academic goals; and two letters of recommendation from individuals familiar with the applicant's recent work. An interview and portfolio review with the director of the MFA in Ceramic Arts is also required.

The program allows students to pursue a terminal degree for an artist, the Master of Fine Arts in Ceramic Arts.

Students with an undergraduate degree in an area other than ceramic arts who have considerable life experience and skill in the ceramic arts may apply with the permission of the program director. Students with strong current skills will be encouraged to select courses that will expand their knowledge of the ceramic arts.

For additional admission information, see *Graduate Admission* (p. 189).

### PROGRAM REQUIREMENTS

The Master of Fine Arts in Ceramic Arts requires candidates to complete a studio emphasis in ceramic arts with a GPA of 3.0 or greater.

60 credits are required for graduation:

19 credits of core requirements

17 credits of required research

15 credits of general electives

9 credits of art history, aesthetics and criticism

Students studying full time will normally spend three years earning the degree. Successful completion of ARTS 570 and a 3.0 grade point average will serve as an interim evaluation for continuing studies. Strong candidate for the MFA will have earned a grade of A- (3.67) or higher in ARTS 570. Students may transfer 9 credits earned from an accredited program to their course requirements for the MFA.

#### Core Courses - 19 Credits Required

ARTS 501	Glaze Application	1.0
ARTS 502	East Asian Wedged Coil Technique	1.0
ARTS 505	Ceramic Wheel: Masters' Throwing Concepts	2.0
ARTS 508	Ceramic Sculpture	3.0
ARTS 522	Glaze Calculation, Theory & Practice	3.0
ARTS 524	Clay Calculation, Theory and Practice	3.0
ARTS 525	Electric Kilns	1.0
ARTS 530	Kiln Technology & Firing Theory	2.0
ARTS 574	Advanced Studies in Ceramic Arts	3.0

#### Art History and Criticism Courses - 9 Credits Required

ART 504	Iconography and Iconology	3.0
ARTS 543	History of Ceramic Arts	3.0
ARTS 564	Aesthetics and Criticism	3.0
ART 568/ART 468	Contemporary Topics in Visual Art	3.0
	Three credits Art History (ART) at 500 level	

Additional graduate level humanities courses may serve as elective credit with approval of the program director.

#### Research Courses - 17 Credits Required

ARTS 569	Survival Skills for Visual Artists	1.0
ARTS 570	Seminar in Personal Studio Research	3.0
ARTS 576	MFA Thesis Preparation	3.0
ARTS 580A	MFA Thesis Research A	3.0
ARTS 580B	MFA Thesis Research B	3.0
ARTS 595	MFA Thesis Exhibition	4.0

**Elective Courses – 15 Credits Required****Wheel**

ARTS 504	Ceramic Decoration	3.0
ARTS 506	Ceramic Wheel: Masters' Throwing II	2.0
ARTS 507	Plates and Platters	1.0
ARTS 509	Throwing Large Forms	3.0
ARTS 512	Eastern & Western Tech in Trimming	1.0
ARTS 517	Dynamic and Asymmetrical Wheel	3.0

**Handbuilding and Sculpture**

ARTS 542	Modeling the Figure	3.0
ARTS 545	Large Scale and Composite Sculpture	3.0

**Kiln Technology**

ARTS 531	Wood Firing Theory	2.0
ARTS 532	Firing Large Scale Wood Kiln	2.0
ARTS 533	Soda Firing Theory and Practice	2.0

**Special Topics Courses**

ARTS 520	Photographing Ceramics	1.0
ARTS 547	Creating with Porcelain	3.0
ARTS 590	Teaching Assistant in Ceramic Arts	1.0 - 4.0
ARTS 599	Special Topics in Ceramic Arts	1.0 - 3.0

**Independent Study**

ARTS 575	Independent Study	1.0 - 3.0
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**COMPUTER SCIENCE, M.S.**

**Program Director:** Xinlian Liu, Ph.D.; liu@hood.edu; 301-696-3981

The Master of Science in Computer Science is a 33-credit degree program for persons seeking to enhance their professional qualifications and stature through graduate study in computer science. Individuals who graduate from the program will acquire knowledge and develop problem-solving skills that prepare them to hold a variety of scientific and technical positions in the area of computing. The structure of the program and the number of available elective courses provides students with the opportunity to study a variety of topics ranging from artificial intelligence and software engineering to operating systems and machine learning or focus on one of the two available concentrations on data science and cybersecurity. Graduates will also be prepared for further work at the doctoral level.

**Application Requirements:**

All official transcripts and a résumé must be submitted.

For additional admission information, see *Graduate Admission* (p. 189).

**PROGRAM REQUIREMENTS****Foundation Courses**

The foundation courses represent background knowledge and skills necessary for successful completion of degree requirements. Some or all of the foundation courses may be waived by the program director, based upon an analysis of the student's previous work. A student holding a baccalaureate degree in computer science will normally be granted exemption from, but not graduate credit for, all foundation courses. Any foundation courses required are in addition to the 33 credits required for program completion.

MATH 505	Discrete Math	3.0
CS 508	Computer Organization and Design	3.0
CSIT 512	Elements of Computer Programming	3.0
CS 519	Advanced Data Structures	3.0

**Degree Requirements**

A student must complete 33 credits beyond foundation courses, including 15 credits of Core requirements. The Core courses represent the general body of knowledge and skills that all students in the program are expected to master.

**Core Requirements**

CS 520	Algorithm Analysis	3.0
CS 524	Principles of Software Engineering	3.0
CS 528/CS 428	Artificial Intelligence	3.0
CS 564/CS 464	Operating Systems	3.0

**One of the following courses:**

CS 561/CS 461	Computer Architecture	3.0
CS 571/CS 471	Programming Languages: Their Design and Compilation	3.0

**Concentration Courses**

Students may elect a concentration in Data Science (12 credits) or Cybersecurity (15 credits), completing the remaining credits (6 or 3) required for program completion from elective options. Students who do not wish to pursue one of these concentrations will complete 18 credits of elective coursework.

**Data Science Concentration**

CS 522	Data Mining	3.0
CS 527	Data Science	3.0
CS 543/CS 443	Machine Learning	3.0
CSIT 565	Advanced Database Management Systems	3.0

**Cybersecurity Concentration**

CSIT 532	Computer Forensics	3.0
CSIT 534	Network and Internet Security	3.0
CSIT 548/CYBR 548	Telecommunications and Networking	3.0
CSIT 555	Information Systems Security	3.0
CSIT 537	Applied Encryption and Cryptology	3.0
CYBR 556	Ethical Hacking	3.0

Students are eligible to use electives in this concentration to pursue the Cybersecurity Certificate (p. 229).

**Electives**

Students must complete 3-18 credits of elective work, which may include a 6-credit thesis (CS 580), 6-credit field work project (CS 585) or a 6-credit software engineering project (CS 595). All elective courses must be chosen from CS or CSIT prefixed coursework. Certain, pre-approved courses by the department may also be chosen from the CYBR program.

**COUNSELING, M.S.**

**Program Director:** Andrew Campbell, Ph.D.; campbell@hood.edu; 301-696-3764

The Master of Science (M.S.) in Counseling will provide students with the knowledge and skill set needed to work as Clinical Mental Health Counselors or pre-K through 12th grade School Counselors. The program is designed to meet Maryland professional counselor licensure requirements; Maryland State Department of Education certification of the school counseling specialty is projected for 2017. In addition, the program conforms to the standards set by the Council for the Accreditation of Counseling and Related Education Programs (CACREP),

and CACREP accreditation will be sought when the program becomes eligible to apply, in 2018. Graduates of the program will demonstrate the professional knowledge, skills and practices necessary to address a wide variety of counseling activities in various settings. Graduates will be instructed in the following domains: foundations; counseling, prevention, and intervention; diversity and advocacy; assessment; research and evaluation; diagnosis; academic development; collaboration and consultation; and leadership.

#### Application Requirements

To be considered for admission to the M.S. in Counseling program, applicants should have a minimum undergraduate GPA of at least 3.0. Undergraduate coursework in psychology is strongly recommended.

Depending on the applicant pool, GPAs under 3.0 may be considered if associated materials are strong. Applicants are encouraged to complete the GRE and/or additional counseling-related coursework to strengthen their applications. Selected applicants will be contacted to attend an interview day, with online or video interviews used for applicants who live more than two hours from campus.

Individuals applying to the master's in counseling program are required to submit:

- The online application
- Official transcripts from all post-secondary schools attended
- A résumé or curriculum vitae (by email to [gofurther@hood.edu](mailto:gofurther@hood.edu))
- A personal statement describing factors that influenced the decision to apply to graduate school and how this program will facilitate the fulfillment of the applicant's professional goals (by email to [gofurther@hood.edu](mailto:gofurther@hood.edu))
- A minimum of two (three preferred) academic and/or professional letters of recommendation (by email to [gofurther@hood.edu](mailto:gofurther@hood.edu))

All application materials should be submitted by June 15 for fall admission and November 15 for spring admission. All materials and interview experiences will be considered by the department's admissions committee in order to render a decision.

### PROGRAM REQUIREMENTS

#### Core Requirements

COUN 500/PSY 500	Human Development as a Lifelong Process	3.0
COUN 501	Professional, Legal and Ethical Responsibilities	3.0
COUN 502	Social and Cultural Foundations of Counseling	3.0
COUN 503	Lifestyle and Career Development	3.0
COUN 504	Counseling Techniques	3.0
COUN 505	Group Dynamics, Processing and Counseling	3.0
COUN 506	Research and Program Evaluation	3.0
COUN 511/PSY 511	Theories and Principles of Counseling	3.0
COUN 534/PSY 534	Tests and Measurements	3.0

**Students will select one of two specializations. School counseling students are permitted to complete coursework associated with the Clinical Mental Health specialty as their elective courses. Additional state requirements for licensure eligibility may apply.**

### CLINICAL MENTAL HEALTH COUNSELING

#### Required Specialty Courses

COUN 530	Alcohol and Drug Counseling	3.0
COUN 531/PSY 531	Diagnosis & Psychopathology	3.0
COUN 532	Advanced Counseling Techniques	3.0
COUN 533	Marriage and Family Counseling	3.0

#### Choose 12 credits from the following:

COUN 507	Trauma & Crisis Interventions	3.0
COUN 520	Introduction to Thanatology	3.0
COUN 521/THAN 521	Grief, Mourning and Bereavement	3.0
COUN 523/THAN 523	Principles of Thanatology	3.0
COUN 528/THAN 528	Developmental Perspectives in Thanatology	3.0
COUN 529/THAN 529	Historical and Multicultural Perspectives in Thanatology	3.0
COUN 560	Affirmative Therapy w/ LGBTQIA+ Client	1.0
COUN 575	Independent Study	1.0 - 3.0
COUN 590	Teaching Assistantship	1.0
COUN 595	Independent Research Project	3.0
COUN 599	Special Topics in Counseling	1.0

#### Practicum and Internship Requirements

COUN 596	Practicum in Clinical Mental Health Counseling or School Counseling	3.0
COUN 597	Internship I: Mental Health or School Counseling	3.0
COUN 598	Internship II: Clinical Mental Health or School Counseling	3.0

### SCHOOL COUNSELING

#### Required Specialty Courses

COUN 540	Foundations of School Counseling	3.0
COUN 541	Program Planning, Management and Evaluation of School Counseling Programs	3.0
COUN 542	Collaboration, Consultation and Supervision	3.0
COUN 543	Counseling Youth	3.0

#### Choose 12 credits from the following:

COUN 507	Trauma & Crisis Interventions	3.0
COUN 520	Introduction to Thanatology	3.0
COUN 521/THAN 521	Grief, Mourning and Bereavement	3.0
COUN 523/THAN 523	Principles of Thanatology	3.0
COUN 528/THAN 528	Developmental Perspectives in Thanatology	3.0
COUN 529/THAN 529	Historical and Multicultural Perspectives in Thanatology	3.0
COUN 530	Alcohol and Drug Counseling	3.0
COUN 531/PSY 531	Diagnosis & Psychopathology	3.0
COUN 532	Advanced Counseling Techniques	3.0
COUN 533	Marriage and Family Counseling	3.0
COUN 560	Affirmative Therapy w/ LGBTQIA+ Client	1.0

COUN 575	Independent Study	1.0 - 3.0
COUN 590	Teaching Assistantship	1.0
COUN 595	Independent Research Project	3.0

**Practicum and Internship Requirements**

COUN 596	Practicum in Clinical Mental Health Counseling or School Counseling	3.0
COUN 597	Internship I: Mental Health or School Counseling	3.0
COUN 598	Internship II: Clinical Mental Health or School Counseling	3.0

**CERTIFICATE OPPORTUNITY****Certificate in Thanatology**

In addition to the MS degree in Counseling, students may obtain a *Certificate in Thanatology* if they choose the following as their four elective courses:

COUN 521/THAN 521	Grief, Mourning and Bereavement	3.0
COUN 523/THAN 523	Principles of Thanatology	3.0
COUN 528/THAN 528	Developmental Perspectives in Thanatology	3.0
COUN 529/THAN 529	Historical and Multicultural Perspectives in Thanatology	3.0

Students must indicate intent to complete the Certificate in Thanatology by emailing the Office of the Registrar at hoodgrad@hood.edu.

*NOTE: Course substitutions are not permitted. A student may be exempted from these requirements by petition to the appropriate department. The petition must be in writing and, if approved, written evidence of the exemption must be forwarded to the Office of the Registrar by the program director. The exemption is made a part of the student's record. When a course is formally exempted, another course must be taken. Exemption does not constitute credit.*

Subtotal: 60.0

**CURRICULUM AND INSTRUCTION, M.S.**

**Program Director:** Kristy Calo, Ph.D. calo@hood.edu; 301-696-3463

The Master of Science in Curriculum and Instruction is designed primarily for certified classroom teachers who want to enrich their professional knowledge and skills. The program draws from the National Board for Professional Teacher Standards (NBPTS) and the Maryland Teacher Technology Standards (MTTS) in advancing candidates' knowledge and skills. The curriculum includes a core of professional education courses, with concentrations in four areas of education: elementary education, elementary school science and mathematics, secondary education and special education. In addition, candidates may earn a certificate from Hood College in Elementary-Science-Technology-Engineering-Mathematics (STEM) Education. **This 36-credit program does not lead to initial teacher certification.**

**Application Requirements**

Submit the online application including one official transcript reflecting the highest degree conferred, a copy of the applicant's teaching certificate, and a writing sample. Qualified applicants will be contacted for an interview with the program director of Curriculum and Instruction or the advisor in the Concentration area. Program expectations and requirements are explained to the applicant at this time. In addition, applicants must produce an acceptable writing sample during the application process.

All Curriculum and Instruction graduate students are required to have regular access to a U.S. P-12 classroom throughout the program in order

to successfully complete assignments, including various course assessments and the capstone action research project. Applicants to the program who are not current classroom teachers must submit evidence that they will have regular access to observe and volunteer in a classroom in the form of an approval letter from the school principal. Such approval letters must be submitted annually to the student's advisor. Applicants are responsible for meeting all requirements for school volunteers, as determined by the individual school and/or district. Applicants also are responsible for meeting any school and/or district requirements for conducting research in the school setting.

For additional admission information, see *Graduate Admission* (p. 189).

All Curriculum and Instruction candidates will need to complete the course requirements for the selected concentration. Candidates will work with an academic advisor to ensure completion of degree requirements at an acceptable level.

**CURRICULUM AND INSTRUCTION:  
ELEMENTARY EDUCATION  
CONCENTRATION**

This 36-credit hour program is designed primarily for classroom teachers in early childhood or elementary education who want to gain additional knowledge and skills. Content focuses upon the areas of curriculum and advanced methodology, as well as theory and support courses. **This program does not lead to initial teaching certification.**

**Professional Education Core Courses**

EDUC 502	Technology for Teaching, Learning & Leadership	3.0
EDUC 577	Introduction to Educational Research	3.0
EDUC 581	Research-Based Teaching, Learning & Assessment	3.0
EDUC 582	Educational Philosophy in a Diverse Society	3.0

**Foundation Courses (12 credits):**

In addition to the four professional education core courses for the M.S. degree, students must complete four elementary education foundation courses (12 credits):

EDUC 533	Effective Home-School Interaction: Research & Practice	3.0
EDUC 534	Current Issues in Early Childhood & Elementary Education	3.0
EDUC 561	Teaching Diverse Learners in an Inclusive Setting	3.0
EDUC 583	Principles of Curriculum Development & Appraisal	3.0

**Content Electives (9 credits)**

In addition to the professional education core and foundation courses, the candidate must select three elective courses from different curriculum areas. One must be taken in reading. Substitutions are permitted with approval by the program director or academic advisor. (9 credits)

**Reading**

EDUC 500	Methods for Teaching English Language Learners	3.0
EDUC 511	Children's Literature	3.0
EDUC 517	Materials for Teaching Reading: Instruction & Methods	3.0
EDUC 518	Reading Instruction:Elementary	3.0

EDUC 520	Reading Diagnosis	3.0
EDUC 521	Contemporary Issues in the Teaching of Reading	3.0
EDUC 535	Integrating the Elementary Curriculum through Language Arts	3.0
<b>Mathematics/STEM</b>		
EDUC 530	K-12 Blended Learning	3.0
EDUC 545	Modern Mathematics Methods	3.0
EDUC 546	The Teaching of Numbers, Operations & Algebraic Thinking in Elementary & Middle School	3.0
EDUC 547	The Teaching of Geometry & Measurement in Elementary & Middle School	3.0
EDUC 553	Foundations of Elementary STEM (Science-Technology-Engineering-Mathematics) Education	3.0
<b>Special Education</b>		
EDUC 574	Curriculum & Methods in Inclusive Classrooms: English Language Arts & Social Studies	3.0
EDUC 576	Curriculum & Methods in Inclusive Classrooms: Math and Science	3.0
<b>Other</b>		
EDUC 500	Methods for Teaching English Language Learners	3.0
EDMA 530	Mathematics Education Leadership I	3.0

### CAPSTONE COURSE (3 CREDITS):

Candidates enrolled in the M.S. in Curriculum and Instruction degree program in capstone course must successfully meet the following requirements:

1. Maintain a 3.0 cumulative grade point average in the capstone course: EDUC 597 Action Research.
2. Complete acceptable performance activities as part of the collaborative practice component in EDUC 597.
3. Successful evaluation of a yearlong action research project.
4. Complete the Exit Survey, a self-assessment measure on the Institutional Outcomes.

### PROGRAM FOLLOW UP

**Program completers in the Curriculum and Instruction program will complete the following activities:**

1. Program Evaluation Survey at the completion of the action research course.
2. Program Survey one year after program completion

## CURRICULUM AND INSTRUCTION: ELEMENTARY SCHOOL SCIENCE AND MATHEMATICS CONCENTRATION

The purpose of this 36-credit hour program is to provide teachers with cutting-edge, innovative and research-supported elementary science and mathematics methods and topics. Emphasis is placed upon the understanding, development and application of constructivist, elementary Science-Technology-Engineering-Mathematics (STEM) curricula, materials, methods and activities that are applicable within the elementary classroom. **This program does not lead to initial teaching certification. Program completion may include STEM certification.**

### Professional Education Core Courses

EDUC 502	Technology for Teaching, Learning & Leadership	3.0
EDUC 577	Introduction to Educational Research	3.0
EDUC 581	Research-Based Teaching, Learning & Assessment	3.0
EDUC 582	Educational Philosophy in a Diverse Society	3.0

### Foundation Courses (12 credits):

In addition to the four professional education core courses for the M.S. degree, the candidate must complete four elementary school science and mathematics foundation courses (12 credits):

EDUC 540	Modern Science Methods	3.0
EDUC 545	Modern Mathematics Methods	3.0
EDUC 576	Curriculum & Methods in Inclusive Classrooms: Math and Science	3.0
EDUC 583	Principles of Curriculum Development & Appraisal	3.0

### Content Electives (9 credits):

In addition to the professional education and foundation courses, the candidate must select three courses from different content and topic areas, either from the science or mathematics disciplines with the approval of the adviser, or from the following education courses (9 credits).

EDUC 500	Methods for Teaching English Language Learners	3.0
EDUC 530	K-12 Blended Learning	3.0
EDUC 539	National Board Certification Support	3.0
EDUC 542	Topics in Elementary Physical & Earth Science	3.0
EDUC 544	Topics in Elementary Life Science	3.0
EDUC 546	The Teaching of Numbers, Operations & Algebraic Thinking in Elementary & Middle School	3.0
EDUC 547	The Teaching of Geometry & Measurement in Elementary & Middle School	3.0
EDUC 553	Foundations of Elementary STEM (Science-Technology-Engineering-Mathematics) Education	3.0

### CAPSTONE COURSE (3 CREDITS):

**Candidates enrolled in the M.S. in Curriculum and Instruction degree program in the capstone course must successfully meet the following requirements:**

1. Maintain a 3.0 cumulative grade point average in the capstone course: EDUC 597 Action Research.
2. Complete acceptable performance activities as part of the collaborative practice component in EDUC 597.
3. Successful evaluation of a yearlong action research project.
4. Complete the Exit Survey, a self-assessment measure on the Institutional Outcomes.

### PROGRAM FOLLOW UP

**Program completers in the Curriculum and Instruction program will complete the following activities:**

1. Program Evaluation Survey at the completion of the action research course.
2. Program Survey one year after program completion.

## CURRICULUM AND INSTRUCTION: SECONDARY EDUCATION CONCENTRATION

This 36-credit program is intended for students who currently hold certification within a secondary teaching area. It is also intended as a master's degree option for individuals in the post-baccalaureate secondary education certification program. This program may provide courses toward the advanced professional certificate but does not lead to certification in other areas. **This program does not lead to initial teaching certification.**

### Professional Education Core Courses

EDUC 502	Technology for Teaching, Learning & Leadership	3.0
EDUC 577	Introduction to Educational Research	3.0
EDUC 581	Research-Based Teaching, Learning & Assessment	3.0
EDUC 582	Educational Philosophy in a Diverse Society	3.0

### Foundation Courses (9 credits):

In addition to the four professional education core courses for the M.S. degree, students must select three secondary foundation courses (9 credits):

EDUC 561	Teaching Diverse Learners in an Inclusive Setting	3.0
EDUC 565	Classroom Organization & Management in Special Education	3.0
EDUC 583	Principles of Curriculum Development & Appraisal	3.0

### Content Electives (12 credits):

In addition to the professional education and foundation courses, candidates must select four courses from professional and content areas that form a coherent unit of study within the secondary teaching areas. These 500-level courses may be selected from offerings by the various departments at Hood, including the Education Department, and must be approved by the adviser. Students may select from the following listing of content areas, provided that they have met course prerequisites and any subject matter departmental requirements. Students should check with their academic adviser each semester for course availability and additional courses that may become available (12 credits):

#### Art

#### Biomedical Science

BMS 511/BIOL 411	Protein Biochemistry	3.0
BMS 512/BIOL 412	Biochemistry of Intermediary Metabolism	3.0
BMS 523	Cell Structure & Function	3.0
BMS 524/BIOL 424	Molecular Biology of Eukaryotic Cells	3.0

#### Chemistry

#### Computer Science

#### Economics

#### Education

#### English

#### Environmental Biology

ENV 501	Introduction to Environmental Biology	3.0
ENV 502	Principles of Ecology	3.0

ENV 503/ENSP 403	Pollution Biology	3.0
ENV 507/ENSP 407	Natural Resource Management	3.0

#### French

#### German

#### History

#### Mathematics

MATH 500	Statistics	3.0
MATH 501	Explorations in Geometry	3.0
MATH 502	Explorations in Algebra	3.0
MATH 505	Discrete Math	3.0
MATH 507/MATH 407	Introduction to Graph Theory	3.0
MATH 509/MATH 409	Elementary Number Theory	3.0
EDUC 547	The Teaching of Geometry & Measurement in Elementary & Middle School	3.0

Some of these courses may be applied toward the Mathematics Department's Certificate in Secondary Mathematics Education program (p. 232). This certificate does not lead to initial teacher certification.

#### Mathematics Education

EDUC 551	The Teaching of Geometry	3.0
EDUC 552	The Teaching of Algebra	3.0
EDUC 595	The Teaching of Statistics & Probability: Decision Making with Mathematics	3.0
EDUC 596	The Teaching of Mathematical Modeling: Strategies for Contemporary Problems	3.0

#### Political Science

#### Psychology

#### Sociology

#### Spanish

### CAPSTONE COURSE (3 CREDITS)

**Candidates enrolled in the M.S. in Curriculum and Instruction degree program in capstone course must successfully meet the following requirements:**

1. Maintain a 3.0 cumulative grade point average in the capstone course: EDUC 597 Action Research.
2. Complete acceptable performance activities as part of the collaborative practice component in EDUC 597.
3. Successful evaluation of a yearlong action research project.
4. Complete the Exit Survey, a self-assessment measure on the Institutional Outcomes.

### PROGRAM FOLLOW UP

**PROGRAM COMPLETERS IN THE CURRICULUM AND INSTRUCTION PROGRAM WILL COMPLETE THE FOLLOWING ACTIVITIES:**

1. Program Evaluation Survey at the completion of the action research course.
2. Program Survey one year after program completion.

## CURRICULUM AND INSTRUCTION: SPECIAL EDUCATION CONCENTRATION

This program is designed primarily for special education, early childhood, elementary or secondary education classroom teachers. It seeks to prepare them to work with students with disabilities in general or special education classrooms. Emphasis is placed on providing a balance of theoretical background and methodology appropriate for the needs of exceptional children and youth. **This program does not lead to initial teaching certification.**

The special education program reflects state of Maryland education certification areas: generic (mild and moderate disabilities), noncategorical education for students with disabilities at a designated age-grade level. Students without any teacher certification who are seeking initial certification in Special Education (Grades 1-8) are referred to Initial Teaching Certification. Hood does not offer an approved program for currently-certified teachers who wish to obtain additional certification in special education.

### DEGREE REQUIREMENTS

#### Professional Education Core Courses (12 credits)

EDUC 502	Technology for Teaching, Learning & Leadership	3.0
EDUC 577	Introduction to Educational Research	3.0
EDUC 581	Research-Based Teaching, Learning & Assessment	3.0
EDUC 582	Educational Philosophy in a Diverse Society	3.0

#### Foundation Courses (9 credits):

In addition to the four professional education core courses for the M.S. degree, all candidates in the Special Education Concentration must complete three courses in special education content coursework for 9 credits:

EDUC 565	Classroom Organization & Management in Special Education	3.0
EDUC 571	Historical, Philosophical & Legal Foundations of Special Education	3.0
EDUC 583	Principles of Curriculum Development & Appraisal	3.0

EDUC 571: Waived if student has taken special education survey or mainstreaming course at the undergraduate or graduate level within five years and obtained a grade of "B." An elective may then be selected by the student.

#### Content Electives (12 credits):

In addition to the professional education core and foundation courses, the candidate must select four elective courses. One must be taken in reading. Substitutions are permitted with approval by the program director. (12 credits)

EDUC 500	Methods for Teaching English Language Learners	3.0
EDUC 530	K-12 Blended Learning	3.0
EDUC 539	National Board Certification Support	3.0
EDUC 553	Foundations of Elementary STEM (Science-Technology-Engineering-Mathematics) Education	3.0
EDUC 573	Assessment, Diagnosis & Prescription in Special Education	3.0
EDUC 574	Curriculum & Methods in Inclusive Classrooms: English Language Arts & Social Studies	3.0
EDUC 576	Curriculum & Methods in Inclusive Classrooms: Math and Science	3.0

#### Reading

EDUC 511	Children's Literature	3.0
EDUC 517	Materials for Teaching Reading: Instruction & Methods	3.0
EDUC 518	Reading Instruction: Elementary	3.0
EDUC 520	Reading Diagnosis	3.0
EDUC 521	Contemporary Issues in the Teaching of Reading	3.0
EDUC 535	Integrating the Elementary Curriculum through Language Arts	3.0

#### Other

EDUC 500	Methods for Teaching English Language Learners	3.0
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### CAPSTONE COURSE (3 CREDITS):

**Candidates enrolled in the M.S. in Curriculum and Instruction degree program in the capstone course must successfully meet the following requirements:**

1. Maintain a 3.0 cumulative grade point average in the capstone course: EDUC 597 Action Research.
2. Complete acceptable performance activities as part of the collaborative practice component in EDUC 597.
3. Successful evaluation of a yearlong action research project.
4. Complete the Exit Survey, a self-assessment measure on the Institutional Outcomes.

### PROGRAM FOLLOW UP

**Program completers in the Curriculum and Instruction program will complete the following activities:**

1. Program Evaluation Survey at the completion of the action research course.
2. Program Survey one year after program completion.

## CYBERSECURITY, M.S.

**Program Director:** George Dimitoglou, Ph.D. [Dimitoglou@hood.edu](mailto:Dimitoglou@hood.edu); 301-696-3980

#### Overview:

The Master of Science in Cybersecurity is designed to provide students with the necessary professional training and academic background to secure, defend and protect information, systems and networks from cyber-attacks. Students engage in theoretical and hands-on activities with coursework that covers topics in information security, network security, risk management and information assurance, computer forensics, ethical hacking and other contemporary topics in cybersecurity.

The 30-credit program is designed for both technical and non-technical students with a bachelor's degree. A prior background in computing is desirable, but not required to enter this program. Individuals without such background can enter the degree program by enrolling in two prerequisite foundation courses. The structure of the program allows students to enter from different disciplines, provides a common foundation and robust subject matter training necessary in today's Cybersecurity job market.

This program is offered in a standard, face-to-face delivery format on-campus, as well as a fully online format. Students enrolled in the online program will complete courses with an "OL" designation in the course number.

#### Application Requirements:



Students applying to the Cybersecurity program must submit all official transcripts and a résumé/CV that provides educational and professional experience with specific information about mathematics background, programming background, if any, and their technical skills. Applicants should also provide a statement of purpose indicating their motivation for choosing the program and the goals they hope to achieve through completing it.

For additional admission information, see *Graduate Admission*.

## PROGRAM REQUIREMENTS

The Master of Science in Cybersecurity requires completion of foundation courses designed to provide the appropriate background knowledge. Students with undergraduate degrees in computer science may be waived from both of these courses at the time of application review. If these courses are required, they are in addition to the 30 credits required for program completion.

### Foundation Courses

Any foundation courses required are in addition to the 30 credits required for program completion.

IT 510	Computing Hardware and Software Systems	3.0
CSIT 512	Elements of Computer Programming	3.0

### Core Requirements

CYBR 521/CSIT 521	Info Assurance & Risk Assessment	3.0
IT 530	Applied Database Systems	3.0
CYBR 532/CSIT 532	Computer Forensics	3.0
CYBR 534/CSIT 534	Network and Internet Security	3.0
CYBR 535/IT 535	Security Policies, Ethics and Law	3.0
CYBR 548/CSIT 548	Telecommunications & Networking	3.0
CYBR 555/CSIT 555	Information Systems Security	3.0
CYBR 556	Ethical Hacking	3.0

### Electives

Choose Two:		
CYBR 537/CSIT 537	Applied Encryption and Cryptology	3.0
CYBR 560	Cybersecurity Capstone	3.0
CYBR 575	Independent Study	1.0-3.0
CYBR 597	Cybersecurity Practical Training	1.0 - 6.0
CYBR 599	Special Topics	3.0

Independent study credits may only be used to study topics that are not offered in the program and require program director and instructor approval. Internship credits also require approval. Students must complete the Graduate Permission to Enroll form to enroll in independent studies and/or internships.

## EDUCATION, MULTIDISCIPLINARY STUDIES, M.S.

**Program Director:** Rebecca Grove, Ph.D. grove@hood.edu; 301-696-3172

The 36-credit Master's degree in Education, Multidisciplinary Studies is designed primarily for certified classroom teachers and qualified support staff who want to design a personalized program that will meet their

individual instructional and professional needs. This program allows candidates to select courses from Hood's three existing Maryland Higher Education Commission (MHEC) approved Master's degree programs: Reading Specialization, Educational Leadership, and Curriculum and Instruction. In addition, candidates are able to choose elective coursework from content areas outside of the education department. The curriculum includes a core of four professional courses, one course from each of the three existing education graduate programs, four elective courses, and a culminating capstone research project. **This program does not lead to initial or advanced certifications.**

### Application Requirements

Submit application materials, including a writing sample and one official transcript reflecting the highest degree conferred. Qualified applicants will be contacted for an interview with the program director. Program expectations and requirements are explained to the applicant at this time.

All Multidisciplinary Studies graduate students are required to have regular access to a U.S. P-12 classroom throughout the program in order to successfully complete assignments, including various course assessments and the capstone research project. Applicants to the program who are not current classroom teachers must submit evidence that they will have regular access to observe and volunteer in a classroom in the form of an approval letter from the school principal. Such approval letters must be submitted annually to the student's advisor. Applicants are responsible for meeting all requirements for school volunteers, as determined by the individual school and/or district. Applicants also are responsible for meeting any school and/or district requirements for conducting research in the school setting.

For additional admission information, see *Graduate Admission*. (p. 189)

Candidates will work with an academic advisor to ensure successful completion of degree requirements. The Education, Multidisciplinary Studies Advisory Council will review any conditional advancements and denials for advancement.

## PROGRAM REQUIREMENTS

### Professional Education Core Courses (12 Credits)

EDUC 502	Technology for Teaching, Learning & Leadership	3.0
EDUC 577	Introduction to Educational Research	3.0
EDUC 582	Educational Philosophy in a Diverse Society	3.0
EDUC 583	Principles of Curriculum Development & Appraisal	3.0

### Masters Level Education Program Courses (9 credits)

Select **one** course **from each** of the following master's degree education programs.

### Curriculum and Instruction (3 credits)

EDUC 500	Methods for Teaching English Language Learners	3.0
EDUC 511	Children's Literature	3.0
EDMA 530	Mathematics Education Leadership I	3.0
EDUC 530	K-12 Blended Learning	3.0
EDUC 533	Effective Home-School Interaction: Research & Practice	3.0
EDUC 534	Current Issues in Early Childhood & Elementary Education	3.0
EDUC 535	Integrating the Elementary Curriculum through Language Arts	3.0
EDUC 540	Modern Science Methods	3.0
EDUC 542	Topics in Elementary Physical & Earth Science	3.0

EDUC 544	Topics in Elementary Life Science	3.0
EDUC 545	Modern Mathematics Methods	3.0
EDUC 546	The Teaching of Numbers, Operations & Algebraic Thinking in Elementary & Middle School	3.0
EDUC 547	The Teaching of Geometry & Measurement in Elementary & Middle School	3.0
EDUC 551	The Teaching of Geometry	3.0
EDUC 552	The Teaching of Algebra	3.0
EDUC 553	Foundations of Elementary STEM (Science-Technology-Engineering-Mathematics) Education	3.0
EDUC 561	Teaching Diverse Learners in an Inclusive Setting	3.0
EDUC 565	Classroom Organization & Management in Special Education	3.0
EDUC 571	Historical, Philosophical & Legal Foundations of Special Education	3.0
EDUC 573	Assessment, Diagnosis & Prescription in Special Education	3.0
EDUC 574	Curriculum & Methods in Inclusive Classrooms: English Language Arts & Social Studies	3.0
EDUC 576	Curriculum & Methods in Inclusive Classrooms: Math and Science	3.0
EDUC 581	Research-Based Teaching, Learning & Assessment	3.0
EDUC 595	The Teaching of Statistics & Probability: Decision Making with Mathematics	3.0
EDUC 596	The Teaching of Mathematical Modeling: Strategies for Contemporary Problems	3.0

#### **Educational Leadership (3 credits)**

EDUC 513	School Law	3.0
EDUC 514	Administration of Student Services	3.0
EDUC 578	Educational Leadership and Group Dynamics	3.0
EDUC 584	Systemic Change Processes for School Improvement	3.0

#### **Reading Specialization (3 credits)**

EDUC 517	Materials for Teaching Reading: Instruction & Methods	3.0
EDUC 518	Reading Instruction: Elementary	3.0
EDUC 519	Reading Instruction: Secondary	3.0
EDUC 520	Reading Diagnosis	3.0
EDUC 521	Contemporary Issues in the Teaching of Reading	3.0

#### **Elective Content Courses (12 credits)**

Select courses to address individual needs and interests that will total 12 credit hours. These content courses can come from within the education department as well as from other content area departments. These graduate courses must be at the 500 level or higher, and the candidate must have course approval from both the advisor and program director and/or department chairperson which is offering the course.

#### **Capstone (3 credits)**

EDUC 597MSE	Capstone Research Project	3.0
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#### **Program Follow Up**

Program completers in the Education, Multidisciplinary Studies will complete the following activities:

1. Program Evaluation Survey at the completion of EDUC 597MSE (p. 255).
2. Exit Survey, a self-assessment measure on the Institutional Outcomes.

## **EDUCATIONAL LEADERSHIP PROGRAM, M.S.**

**Program Director:** Daniel Shea, shea@hood.edu; 301-696-3766

The Educational Leadership program provides students with a comprehensive foundation in the principles and practices of school administration and supervision. The program offers two options: A Master of Science degree in Educational Leadership and an 18-credit Educational Leadership Certificate for those who hold a master's degree in a related field. This program is approved by the Maryland State Department of Education (MSDE) for students to earn the Administrator I license. Students may also take the ETS School Leaders Licensure Assessment (SLLA) exam to earn the Administrator II license. The program is designed for:

- Certified teachers who wish to have a master's degree and be certified in administration and supervision.
- Persons holding a bachelor's degree in education who seek a graduate degree to enhance their opportunity to work in the fields of administration and supervision.
- Teachers who want a graduate degree with a broad background in the fields of administration and supervision
- Teachers who have a master's degree and who seek certification in administration and supervision

#### **Program Requirements:**

The Educational Leadership Program allows graduate students to complete their Administrator I and II certifications by selecting one of the following two options:

##### 1. M.S. in Educational Leadership Degree Program

Students enrolled in this track must complete 36 credit hours of required courses to earn the MSDE Administrator I license. Students may request that six credits from another institution be accepted after a review of the prior courses to determine if they match courses in the Hood College program.

##### 2. Educational Leadership Certificate Program

Students enrolled in this track must have a master's degree in a related education field and must complete 18 credit hours in six required courses to earn the MSDE Administrator I license. Students enrolled in this program are not eligible to transfer in any credits.

As a prerequisite requirement to Administrator I certification in Maryland, the student must qualify for a Maryland State Advanced Professional Certificate in addition to the Educational Leadership program. Both the M.S. in Educational Leadership and the Educational Leadership Certificate program lead to the Administrator I license.

#### **Application Requirements**

As part of completing the online application, applicants must submit an official transcript reflecting the highest degree conferred, a copy of their State of Maryland Educator Certificate, and a letter of recommendation from their principal/supervisor. Qualified applicants will be contacted for an interview during which time program expectations and requirements are explained. As part of the interview, the applicant will be asked to provide a writing sample by responding to a writing prompt relating to school leadership. An applicant for the Master's program may request that up to six credits from another program be transferred into the Hood program in accordance with graduate transfer course policy.

All Educational Leadership graduate students are required to have regular access to a U.S. P-12 classroom throughout the program in order to successfully complete assignments, including various course assessments and the capstone action research project. Applicants to the program who are not current classroom teachers must submit evidence that they will have regular access to a school setting with the approval of the school principal. Applicants also are responsible for meeting any school and/or district requirements for conducting research in the school setting.

For additional admission information, see *Graduate Admission* (p. 189).

## ALL 12 COURSES FOR THE MASTER'S DEGREE; FINAL 6 COURSES FOR THE CERTIFICATE

View Educational Leadership certificate requirements here (p. 230).

### Course Sequence

EDUC 502	Technology for Teaching, Learning & Leadership	3.0
EDUC 577	Introduction to Educational Research	3.0
EDUC 581	Research-Based Teaching, Learning & Assessment	3.0
EDUC 582	Educational Philosophy in a Diverse Society	3.0
EDUC 514	Administration of Student Services	3.0
EDUC 578	Educational Leadership and Group Dynamics	3.0
EDUC 513	School Law	3.0
EDUC 583	Principles of Curriculum Development & Appraisal	3.0
EDUC 584	Systemic Change Processes for School Improvement	3.0
EDUC 586	Principles of Educational Supervision	3.0
EDUC 589	School Business & Personnel Administration	3.0
EDUC 587	Elementary School Administrative Internship	3.0
EDUC 588	Secondary School Administrative Internship	3.0

The last two courses should be taken after all other courses. The internship course must be in the last year of the program.

During the internship year, candidates must have three (3) successful evaluations (at a proficient or advanced level) from the mentor.

### PROGRAM COMPLETION

Interns in both programs are required to pass their courses to earn the MSDE Administrator I license. Students who pass all their courses and then pass the School Leaders Licensure Assessment (SLLA) are eligible for the MSDE Administrator II license.

### PROGRAM FOLLOW UP

Program completers in both programs will complete the following activities:

1. Assessment of Dispositions and Program Exit Survey at the end of the yearlong internship
2. Program survey one year after program completion.

Candidates enrolled in the Educational Leadership Certification program are exempted from the surveys based on the possession of their earned master's degree in a related education field.

## ENVIRONMENTAL BIOLOGY, M.S.

**Program Director:** Susan Carney, Ph.D.; carney@hood.edu; 301-696-3648

The Master of Science in Environmental Biology program is specifically designed to meet the needs of environmental professionals and educators who wish to pursue a graduate degree part time while working full time during the day. Hood's program is the only part-time graduate program in the region that emphasizes a field and laboratory approach to learning and promotes hands-on research opportunities for students.

The Master of Science in Environmental Biology provides students with a comprehensive foundation in the principles and practices of environmental biology.

It is designed for:

- Persons holding a bachelor's degree in environmental biology or a closely related discipline and currently employed as environmental professionals who seek a graduate degree for professional development and career advancement;
- Teachers holding a bachelor's degree in science education who wish to obtain a graduate degree;
- Environmental professionals with a graduate degree who are interested in updating their academic background and keeping abreast of new developments in the discipline; and
- Persons holding a bachelor's degree in a discipline other than environmental biology who seek a graduate degree in order to gain the academic expertise necessary to make a job change to a career in environmental biology.

### Application Requirements

Students applying for the Environmental Biology program must complete an essay (550 words or less) that includes background experience and future goals. All official transcripts must be submitted. Two letters of recommendation are suggested but not required. A minimum 2.75 cumulative GPA is required for admission to the Graduate School and to the Environmental Biology program, however a GPA of 3.0 or higher is preferred. All entering students must have completed undergraduate coursework in the following: Biology (2 semesters, with lab), Chemistry (2 semesters, with lab), and Mathematics (1 semester).

For additional admission information, see *Graduate Admission* (p. 189).

### PROGRAM REQUIREMENTS

The program has two tracks, a research and non-research track—both require the completion of 33 credits. The research track includes either a 6-credit thesis (invitation only) or a 3-credit independent research project. The non-research track includes either a 3-credit internship at an approved agency or an intensive capstone course as the final programmatic experience. Both tracks are designed for students from a variety of academic backgrounds.

A required core of courses provides students with a comprehensive background in all aspects of environmental biology. Students will be able to place environmental issues into a broad social, political and economic context; but the primary core course emphasis will be on using environmental biology principles to identify and solve environmental problems.

The elective courses provide each student with the opportunity to tailor their program to meet particular professional needs. Some electives are clearly rooted in natural science and mathematics and are the ones most

students will choose in order to further their careers in environmental research, regulation, consulting and teaching. Other electives come from the social and political sciences and are well-suited for students planning to enter the realm of public policy. There are also 1-credit elective offerings that stress laboratory and field techniques. Three of these 1-credit courses may be taken in lieu of one 3-credit elective for thesis students. All other students (project option or non-research track) must complete three of the 1-credit courses as part of their 33 credit minimum.

#### Required Courses

##### All students must complete the following:

ENV 501	Introduction to Environmental Biology	3.0
ENV 502	Principles of Ecology	3.0
ENV 503/ENSP 403	Pollution Biology	3.0
ENV 505	Biostatistics	3.0
ENV 507/ENSP 407	Natural Resource Management	3.0

##### All students must complete one of the following (3 credits each):

ENV 512	Insect Ecology	3.0
ENV 513	Marine Ecology	3.0
ENV 541	Behavioral Ecology	3.0
ENV 551/BIOL 451	Plant Ecology	3.0
ENV 563	Freshwater Ecology	3.0

#### Elective Courses

Electives include, but are not limited to, the following:

BMS 537/BIOL 437	Introduction to Bioinformatics	3.0
CHEM 501/CHEM 401	Environmental Chemistry	3.0
ECPS 514/ECPS 414	Environmental Policy	3.0
ENV 506	Environmental Microbiology	3.0
ENV 511/ENSP 411	Conservation Biology	3.0
ENV 515	Research Design & Data Analysis	3.0
ENV 516	Watershed Hydrology	3.0
ENV 522	Ecological Sampling	1.0
ENV 524	Taxonomy	1.0
ENV 526	Analytical Techniques	1.0
ENV 528	Specialty Courses	1.0
ENV 550	Current Topics in Environmental Biology	3.0
ENV 565	Environmental Toxicology Laboratory	1.0
ENV 564	Environmental Toxicology	3.0
ENV 575	Independent Study	1.0 - 3.0
ENV 577	Climate Change	3.0
ENV 599	Special Topics	6.0

##### If not taken as part of core requirements:

ENV 512	Insect Ecology	3.0
ENV 513	Marine Ecology	3.0
ENV 541	Behavioral Ecology	3.0
ENV 551/BIOL 451	Plant Ecology	3.0
ENV 563	Freshwater Ecology	3.0

#### Research Track - 33 credits:

After the successful completion of 12 ENV credits, students are required to meet with their adviser to discuss the student's remaining academic path. Once the research track is chosen, a student may not switch from this track to the non-research track.

#### Thesis Option:

Upon the successful completion of 12 ENV credits, ENV faculty will invite a limited number of exceptional students to complete a comprehensive thesis project. If the student accepts, they are responsible for securing a thesis advisor and committee. Thesis students must complete 6 elective credits, as well as ENV 515 and ENV 580A and ENV 580B Thesis (6 credits), for a program total of 33 credits.

#### Independent Project Option:

Students choosing to complete an independent project must complete ENV 515 and ENV 579 Project (3 credits), and 9 elective credits for a program total of 33 credits. Of the 9 elective credits, 3 must be designated as lab or field credits (ENV 522-528 and ENV 565).

#### Alternative Track - 33 credits:

After the successful completion of 12 ENV credits, students are required to meet with their adviser to discuss the student's remaining academic path. If the alternative track is chosen, they have the flexibility to switch between the two options under this track, but it is not possible to change from the alternative track to the research track.

#### Internship Option:

As part of their 33 credits, internship students will complete a 3-credit internship (ENV 591) at a facility approved by the ENV program director. Students are required to complete ENV 515 and 9 elective credits for a program total of 33 credits; 3 of 9 elective credits must be designated as lab or field credits.

#### Capstone Option:

Students, who choose the capstone option, are required to complete a program total of 33 credits, which includes 12 elective credits; 3 of the 12 elective credits must be designated as lab or field credits (ENV 522, ENV 526-ENV 528 and ENV 565). Once a student enrolls in ENV 578, they are not permitted to change options within the alternate track.

Once a student enrolls in ENV 578, they are not permitted to change options within the alternate track.

## HUMANITIES, M.A.

**Program Director:** Corey Campion, Ph.D.; [campion@hood.edu](mailto:campion@hood.edu); 301-696-3227

The Master of Arts in Humanities is a 30-credit interdisciplinary program that appeals to students with a variety of professional and personal backgrounds. From educators and working professionals to retirees and lifelong learners, the program's students share a passion for the humanities and engage in exciting interdisciplinary exchange as they pursue their particular interests in the fields of history, literature, art, music, philosophy and/or religion.

#### Application Requirements

Students applying for the M.A. in Humanities program must complete a formal essay of no more than 500 words, discussing how this degree relates to previous academic experience and occupational or personal goals, and identifying a proposed area of study within the program. Given the importance of written work in the humanities, the quality of the essay's content and structure carries considerable weight in determining admission to this program. Official transcripts from all institutions attended must be submitted. While the cumulative GPA is a significant factor in the application review, a candidate's record in humanities

courses will be closely examined. Some students may be required to provide additional information, such as a recommendation letter and/or a phone interview with the program director.

For additional admission information, see *Graduate Admission*. (p. 189)

## PROGRAM REQUIREMENTS

### Required Proseminars:

All students must successfully complete the following proseminars, offered on a two-year cycle with one course offered each semester. Substitutions for these courses are not permitted and transfer credit will not be accepted as exemptions.

FA 501	Art and Music Proseminar: Aesthetics, Culture, and History	3.0
HIST 501	History Proseminar	3.0
LIT 501	Literary Studies Proseminar: Tragedy, Ideology, and the Tradition of Literary Criticism	3.0
PLRL 501	Philosophy and Religion Proseminar	3.0

### Electives

Students must complete four or five 3-credit elective courses. Students completing the Thesis option will take four elective courses. Students completing the Portfolio option will complete five elective courses.

HUM 550	Directed Readings	3.0
HUM 560	Humanities Colloquium	3.0
HUM 597	Humanities Internship	1.0 - 3.0
	Discipline-Specific 500-level course	3.0
	One graduate level course in a non-Humanities field	

### Final Projects

In collaboration with their academic advisor(s), students will complete either a final portfolio project or a thesis. Substitutions for these courses are not permitted and transfer credit will not be accepted as exemptions. Students must submit the written proposal for either course to the MAHAC (Master of Arts in Humanities Advisory Committee). If the proposal is approved and signed by MAHAC, the student will then submit the Permission to Enroll form ([www.hood.edu/gradforms](http://www.hood.edu/gradforms)) and the approved proposal to the Office of the Registrar for registration processing. Registration for these courses must be completed during the regular registration period, by the drop/add date (see Academic Calendar). If the written proposal is not approved, the student will be contacted by a member of MAHAC. A detailed statement of regulations and guidelines concerning the Humanities Portfolio and Thesis are available online ([www.hood.edu/gradforms](http://www.hood.edu/gradforms)) and should be consulted before a student initially enrolls and before submission of final project. The Registrar will continue to re-register students in each of these courses each Fall and Spring semester as "IP" (In Progress) until a final grade is submitted. Students are responsible for paying the graduate comprehensive fee each semester until the project is completed.

They will complete one of the following courses:

HUM 594	Humanities Portfolio	3.0
	or	
HUM 580A	Humanities Thesis A	3.0
	and	
HUM 580B	Humanities Thesis B	3.0

## INFORMATION TECHNOLOGY, M.S.

**Program Director:** Ahmed Salem, Ph.D.; [salem@hood.edu](mailto:salem@hood.edu); 301-696-3731

The Master of Science in Information Technology degree is a 30-credit program of graduate study for professional development. It is intended for:

- Persons holding bachelor's degrees in computer science or a related field who will enter the program at an advanced level; and
- Persons holding bachelor's degrees in a discipline other than computer or information science who are seeking preparation for careers in these fields.

The program is designed to enable students with varying entering levels of competency to meet their individual educational needs. This program is offered in a standard, face-to-face delivery format on-campus, as well as a fully online format. Students enrolled in the online program will complete courses with an "OL" designation in the course number.

It is intended for students interested in pursuing or advancing their careers in management of implementation, maintenance or integration of information technology in a variety of environments. Students completing this program will be well equipped to utilize existing information technology and tools to help organizations plan and solve business, engineering or scientific problems with the use of technology. The program prepares students by providing them a rigorous theoretical and applied background in decision support systems, databases, systems engineering, networking and security.

### Application Requirements

Students applying to the Information Technology program must submit all official transcripts and a résumé/CV that provides educational and professional experience with specific information about mathematics background, programming background, if any, and technical skills must be submitted. Applicants should also provide a statement of purpose indicating their motivation for choosing the program and the goals they hope to achieve through completing it.

For additional admission information, see *Graduate Admission* (p. 189).

## PROGRAM REQUIREMENTS

### Foundation Courses

The Master of Science in Information Technology requires completion of foundation courses designed to provide the appropriate background knowledge. Students with undergraduate degrees in computer science or a related field may apply for exemptions from some or all of these prerequisite courses. Any foundation courses required are in addition to the 30 credits required for program completion. The foundation courses are:

IT 510	Computing Hardware and Software Systems	3.0
CSIT 512	Elements of Computer Programming	3.0

Information on exemption from the prerequisite courses may be obtained from the Department of Computer Science.

### Core Requirements

IT 514	Contemporary Issues in Information Technology	3.0
ITMG 516	Introduction to Data Analytics and Business Data Mining	3.0
IT 518	Systems Engineering and Integration	3.0
IT 530	Applied Database Systems	3.0
CSIT 548/CYBR 548	Telecommunications and Networking	3.0
CSIT 555	Information Systems Security	3.0

### Electives

The remaining courses used to complete the student's program are elective courses that are selected in consultation with the adviser. Elective courses must be chosen from IT, CSIT, or ITMG prefixed coursework. Certain CYBR courses may be approved by the academic department. Students are eligible to use their electives to pursue the Cybersecurity Certificate (p. 229) in conjunction with the master's degree. Interested students should make the indication on the graduate application for admission or complete the Certificate Declaration form ([www.hood.edu/gradforms](http://www.hood.edu/gradforms)) after matriculating as a student.

### Program Options

There are two options for the program. The first requires that the student complete 30 credits of graduate coursework beyond the prerequisite courses. The second requires that the student complete at least 24 credits of graduate coursework beyond the prerequisite courses, plus complete 6 credits of one of the following: thesis or fieldwork project. Students must get permission from the department and their adviser before enrolling in any of these 6-credit options.

IT 580	Master's Thesis Preparation	6.0
IT 585	Master's Field Work Project	6.0

## INTERDISCIPLINARY STUDIES IN HUMAN BEHAVIOR, M.A.

**Program Director:** Diane Graves, Ph.D.; [oliver@hood.edu](mailto:oliver@hood.edu); 301-696-3963

The Master of Arts in Interdisciplinary Studies in Human Behavior offers an interdisciplinary approach to the study of human nature and its relationship with the various issues of contemporary society. The goal of the program is to provide a deeper understanding of human experience and the world we live in and to broaden students' perspectives and understanding of human behavior as applied to their professional and civic roles. This program can provide existing career enhancement, open new career paths, as well as a stimulating path for life-long learners. The MA program is open to qualified applicants to the Graduate School.

### Application Requirements

Students applying for the Interdisciplinary Studies in Human Behavior program must submit one official transcript reflecting the highest degree conferred and a personal statement of goals. The quality of the personal statement's content and structure carries considerable weight in determining admission to this program.

For additional admission information, see *Graduate Admission*. (p. 189)

*NOTE: Course substitutions are not permitted. A student may be exempted from these requirements by petition to the appropriate department. The petition must be in writing and, if approved, written evidence of the exemption must be forwarded to the Graduate School by the program director. The exemption is made a part of the student's record. When a course is formally exempted, another course must be taken. Exemption does not constitute credit.*

### PROGRAM REQUIREMENTS

Two routes to the master's degree in the Interdisciplinary Studies in Human Behavior are available. They are:

- 30 credits plus a comprehensive written examination.

- 36 credits that include a Master's thesis (by permission only, see below).

### COURSE REQUIREMENTS

**Completion of 12 Core credits. Students take the following four core courses:**

PSY 500/COUN 500	Human Development as a Lifelong Process	3.0
PSY 501	Theories of Personality	3.0
PSY 505	Social Psychology: A Survey	3.0
PSY 531/COUN 531	Diagnosis & Psychopathology	3.0

**Completion of 6 Cross-Discipline. Students elect any two of the following:**

BIFX 545	Leading Reproducible Research	3.0
BMS 542	Ethics in Science	3.0
CYBR 535/IT 535	Security Policies, Ethics and Law	3.0
ECON 551	Foundations of Economics	3.0
ENV 501	Introduction to Environmental Biology	3.0
MATH 500	Statistics	3.0
PSCI 500	Government in Contemporary Society	3.0
	or	
PSCI 505/PSCI 405	Civil Liberties	3.0

**Completion of 12 Elective credits. Students elect any four of the following elective courses:**

PSY 511/COUN 511	Theories and Principles of Counseling	3.0
PSY 534/COUN 534	Tests and Measurements	3.0
PSY 590	Teaching Assistantship	1.0 - 3.0
PSY 595	Independent Research Project	3.0
PSY 597	Internship for Human Behavior	1.0 - 6.0
THAN 521/COUN 521	Grief, Mourning and Bereavement	3.0
THAN 523/COUN 523	Principles of Thanatology	3.0
THAN 528/COUN 528	Developmental Perspectives in Thanatology	3.0
THAN 529/COUN 529	Historical and Multicultural Perspectives in Thanatology	3.0

PSY 575R, PSY 590, PSY 595, THAN 525: Not eligible for the comprehensive exam.

### CERTIFICATE OPPORTUNITY

#### Certificate in Thanatology

In addition to the MA degree in Interdisciplinary Studies in Human Behavior, students may obtain a *Certificate in Thanatology* if they choose the following as their four elective courses:

THAN 521/COUN 521	Grief, Mourning and Bereavement	3.0
THAN 523/COUN 523	Principles of Thanatology	3.0

THAN 528/COUN 528	Developmental Perspectives in Thanatology	3.0
THAN 529/COUN 529	Historical and Multicultural Perspectives in Thanatology	3.0

Students must indicate intent to complete the Certificate in Thanatology by emailing the Office of the Registrar at hoodgrad@hood.edu.

*NOTE: Course substitutions are not permitted. A student may be exempted from these requirements by petition to the appropriate department. The petition must be in writing and, if approved, written evidence of the exemption must be forwarded to the Office of the Registrar by the program director. The exemption is made a part of the student's record. When a course is formally exempted, another course must be taken. Exemption does not constitute credit.*

## A COMPREHENSIVE EXAMINATION OR MASTER'S THESIS

### Comprehensive exam

Students take a comprehensive examination of *five completed courses*: any three of the four required Psychology courses and any two electives except PSY 575R, PSY 590, PSY 595, THAN 525. Students must pass at least four of the five course examinations.

### Master's Thesis

Students may choose to write a thesis which would require an *additional six credits* above the 30-credit course requirement. Students must obtain faculty permission to pursue this option, and it is recommended that they have a strong background in statistics and research methodology.

## GRADUATES OF THE PROGRAM

Graduates of the versatile M.A. program in Interdisciplinary Studies in Human Behavior (previously Human Sciences) have worked in a wide range of areas, including:

- schools/universities
- alternative health practices
- government
- community service organizations
- juvenile justice system
- community organizing
- conflict resolution/mediation
- international group facilitation
- political and social activism
- human resources
- community health centers
- occupational therapy centers
- non-governmental organizations (NGOs)
- ministry
- social entrepreneurship
- public policy research
- restorative justice
- international relief
- media

## MANAGEMENT INFORMATION SYSTEMS, M.S.

**Program Director:** Carol Jim, Ph.D.; jim@hood.edu

The Master of Science in Management Information Systems is an interdisciplinary degree designed to meet the growing demand for managers with business and information technology skills. Students completing the program will be able to assess corporate IT needs; formalize these needs into requirements and specifications; design integrated IT solutions; assess the cost/benefit of such solutions; determine the impact on operations of such solutions; evaluate alternative technologies; manage the development, implementation and deployment of IT solutions; manage large technology projects; and manage technical employees.

The 30-credit program provides students with knowledge and skills related to:

- Business issues associated with the management of complex, large technology projects and the people who work within those projects;
- Information technology and the issues that must be confronted in order to consider, design, develop, manage, implement and deploy successful information technology solutions within organizations.

The program is intended for students with undergraduate degrees in the computing sciences, information technology or business, or professionals with an undergraduate degree in any discipline who are already employed in an information technology area. Persons without this background can successfully enter and complete the program but may have to complete a series of foundation courses in order to attain the appropriate background for study.

Full-time graduate students who are exempt from the foundation courses should be able to complete the requirements for the degree in two years. However, the program is designed to accommodate the needs of professionals attending on a part-time basis who wish to complete their degrees by taking classes in the evening.

### Application Requirements

Students applying to the Management Information Systems program must submit all official transcripts and a résumé/CV that provides educational and professional experience with specific information about mathematics background, programming background, if any, and technical skills must be submitted. Applicants should also provide a statement of purpose indicating their motivation for choosing the program and the goals they hope to achieve through completing it.

## PROGRAM REQUIREMENTS

### Foundation Courses

The Master of Science in Management Information Systems requires the completion of four foundation courses designed to provide the appropriate prerequisite background for the major. The program director determines the required foundation courses or exemptions based on a thorough evaluation of transcripts and other supporting documents. The objective is to ensure the student is well prepared and ready to succeed in the program. Any foundation courses required are in addition to the 30 credits required for program completion.

IT 510	Computing Hardware and Software Systems	3.0
CSIT 512	Elements of Computer Programming	3.0
MGMT 551	Management Theory	3.0
MGMT 552	Quantitative Methods for Managers	3.0

### Required Courses

The courses required for the program provide breadth and depth of knowledge in both management and information technology. The 30-credit program requires, beyond the foundation courses,

#### Management Core

MGMT 560	Leadership & Organizational Behavior	3.0
MGMT 566	Information Management & Technology	3.0
MGMT 564	Production & Operations Management	3.0
	or	
MGMT 568	Accounting Information Systems	3.0

#### Information Technology Core

IT 530	Applied Database Systems	3.0
ITMG 516	Introduction to Data Analytics and Business Data Mining	3.0
ITMG 533	Managing Technical Project Teams	3.0

#### Electives

Choose any four courses

ECON 560	Managerial Economics	3.0
MGMT 561	Financial Management	3.0
MGMT 585	Human Resource Management	3.0
MGMT 564	Production & Operations Management	3.0
	or	
MGMT 568	Accounting Information Systems	3.0
IT 514	Contemporary Issues in Information Technology	3.0
IT 518	Systems Engineering and Integration	3.0
CSIT	Telecommunications and Networking	3.0
548/CYBR 548		
MGMT 569	Project Management	3.0

Some elective courses have prerequisites that are not required as part of the MIS program. Students will need to obtain instructor permission for registration in these circumstances, which may entail a review of undergraduate transcripts.

## MATHEMATICS EDUCATION, M.S.

**Program Director:** Christy Graybeal Ph.D.; graybeal@hood.edu; 301-696-3838

The Master of Science in Mathematics Education is a 30-credit degree program consisting of 10 required and elective courses in mathematics, computer science and education. It is designed for current mathematics teachers seeking to enhance their professional qualifications through graduate study, although other qualified students are welcome to enroll. Students in this program will acquire knowledge and skill in both mathematics and its teaching. Courses are offered in the late afternoon and evening, and in the summer, to accommodate working teachers. **This program does not lead to initial teacher certification.**

Each student in the program must create and submit an electronic exit portfolio of artifacts—work completed in designated courses in the program. Students are responsible for collecting, refining, and saving artifacts as they proceed through the program using the Chalk and Wire electronic portfolio software. The portfolio will be evaluated by a committee including the program director and other program faculty. Students must earn an average score of at least 3.0 (out of 4.0) on the portfolio. Successful completion of the portfolio is a requirement for completion of the degree.

The portfolio must be submitted by October 1 for January graduates, February 1 for May graduates, and June 1 for September graduates. Students may submit the portfolio at any time after completing 21 credits in the program including a minimum of 9 credits of Education courses from among EDUC 551, EDUC 552, EDUC 595, and EDUC 596.

### Application Requirements

Students applying to the Mathematics Education program must submit all official transcripts and complete a one-page statement describing how the M.S. in Mathematics Education relates to their previous academic and professional experience and to their occupational or personal goals.

For additional admission information, see *Graduate Admission* (p. 189).

### There are two tracks in the program:

- A track for teachers of middle school mathematics, especially those who may not hold an undergraduate degree in mathematics;
- A track for teachers of high school mathematics, or those who have completed an undergraduate major in mathematics.

## PROGRAM REQUIREMENTS

### Middle School Track

(For students without an undergraduate degree in mathematics)

#### Four courses in mathematics:

MATH 500	Statistics	3.0
MATH 501	Explorations in Geometry	3.0
MATH 502	Explorations in Algebra	3.0
MATH 505	Discrete Math	3.0

#### Four courses in education:

EDUC 551	The Teaching of Geometry	3.0
EDUC 552	The Teaching of Algebra	3.0
EDUC 595	The Teaching of Statistics & Probability: Decision Making with Mathematics	3.0
EDUC 596	The Teaching of Mathematical Modeling: Strategies for Contemporary Problems	3.0

#### Two electives (6 credits) chosen from:

EDMA 530	Mathematics Education Leadership I	3.0
EDMA 531	Mathematics Education Leadership II: Practicum	3.0
EDMA 579	Capstone Project	3.0
EDUC 502	Technology for Teaching, Learning & Leadership	3.0
EDUC 539	National Board Certification Support	3.0
EDUC 546	The Teaching of Numbers, Operations & Algebraic Thinking in Elementary & Middle School	3.0
EDUC 547	The Teaching of Geometry & Measurement in Elementary & Middle School	3.0
EDUC 561	Teaching Diverse Learners in an Inclusive Setting	3.0
EDUC 576	Curriculum & Methods in Inclusive Classrooms: Math and Science	3.0
EDUC 581	Research-Based Teaching, Learning & Assessment	3.0
EDUC 583	Principles of Curriculum Development & Appraisal	3.0
CSIT 512	Elements of Computer Programming	3.0
MATH 503	Explorations in Calculus	3.0
MATH 504	Explorations in Secondary School Mathematics	3.0
MATH 520	Mathematical Modeling for Teachers	3.0
MATH 570	History of Mathematics	3.0



MATH 575	Independent Study	1.0 - 3.0
MATH 599	Special Topics	3.0

**High School Track**

(For students with a mathematics degree)

**Four courses in mathematics:**

MATH 500	Statistics	3.0
MATH 505	Discrete Math	3.0
MATH 507/MATH 407	Introduction to Graph Theory	3.0
MATH 509/MATH 409	Elementary Number Theory	3.0

**Four courses in education:**

EDUC 551	The Teaching of Geometry	3.0
EDUC 552	The Teaching of Algebra	3.0
EDUC 595	The Teaching of Statistics & Probability: Decision Making with Mathematics	3.0
EDUC 596	The Teaching of Mathematical Modeling: Strategies for Contemporary Problems	3.0

**Two electives (6 credits) chosen from:**

EDMA 530	Mathematics Education Leadership I	3.0
EDMA 531	Mathematics Education Leadership II: Practicum	3.0
EDMA 579	Capstone Project	3.0
EDUC 502	Technology for Teaching, Learning & Leadership	3.0
EDUC 539	National Board Certification Support	3.0
EDUC 561	Teaching Diverse Learners in an Inclusive Setting	3.0
EDUC 576	Curriculum & Methods in Inclusive Classrooms: Math and Science	3.0
EDUC 581	Research-Based Teaching, Learning & Assessment	3.0
EDUC 583	Principles of Curriculum Development & Appraisal	3.0
CSIT 512	Elements of Computer Programming	3.0
MATH 503	Explorations in Calculus	3.0
MATH 504	Explorations in Secondary School Mathematics	3.0
MATH 520	Mathematical Modeling for Teachers	3.0
MATH 570	History of Mathematics	3.0
MATH 575	Independent Study	1.0 - 3.0
MATH 599	Special Topics	3.0

**MATHEMATICS INSTRUCTIONAL LEADERSHIP, M.S.**

**Program Director:** Christy Graybeal Ph.D.; graybeal@hood.edu; 301-696-3838

The Master of Science in Mathematics Instructional Leadership is a 30-credit degree program, comprising ten required and elective courses in mathematics, education, and mathematics leadership. It is designed for current teachers of mathematics at the elementary or middle school levels seeking to enhance their professional qualifications through graduate study. Individuals who successfully complete the program will be eligible for Maryland teaching endorsement as Mathematics Instructional Leader in either Grades PreK-6 or Grades 4-9. Courses are offered in the late afternoon and evening, and in the summer, to accommodate working teachers. *This program does not lead to initial teacher certification.*

**Application Requirement**

Candidates must be admitted to the Hood College Graduate School. It is assumed that most students in the program will be current elementary and middle school teachers, but anyone who meets the requirements of the Graduate School and the prerequisites for particular courses may enroll in the program. The program does not lead to initial teacher certification and only candidates who meet all program requirements will be eligible for the Maryland Mathematics Instructional Leader endorsement in either Grades PreK-6 or Grades 4-9.

All Mathematics Instructional Leadership graduate students are required to have regular access to a U.S. P-12 classroom throughout the program in order to successfully complete assignments, including various course assessments and the practicum. Applicants to the program who are not current classroom teachers must submit evidence that they will have regular access to observe and volunteer in a classroom in the form of an approval letter from the school principal. Such approval letters must be submitted annually to the student's advisor. Applicants are responsible for meeting all requirements for school volunteers, as determined by the individual school and/or district. Applicants also are responsible for meeting any school and/or district requirements for conducting research in the school setting.

**PROGRAM REQUIREMENTS****Grades PreK-6 Concentration**

The concentration in Grades PreK-6 includes four courses in mathematics, four courses in education, and two courses in mathematics education leadership.

To earn a degree in Mathematics Instructional Leadership, candidates will:

- earn a program grade point average of at least 3.0; and
- earn an average score of at least 3.0 on the leadership portfolio.

In order to be eligible for MSDE endorsement as Mathematics Instructional Leader, grades PreK-6, candidates must complete the requirements listed above and:

- hold a valid, professional certificate in Maryland;
- present verification of 27 months of satisfactory teaching experience including mathematics;
- earn at least a C in all required courses; and
- earn (or have previously earned) the Maryland passing score on the middle school mathematics Praxis II content area assessment. Candidates have one year from graduation to pass the Praxis II assessment and to complete all other program requirements in order to be designated an official program completer. It is the responsibility of the candidate to inform the program director upon completion of all requirements.

**Mathematics requirement (12 credits)**

MATH 500	Statistics	3.0
MATH 501	Explorations in Geometry	3.0
MATH 502	Explorations in Algebra	3.0
MATH 505	Discrete Math	3.0

**Education requirement (6 credits)**

EDUC 546	The Teaching of Numbers, Operations & Algebraic Thinking in Elementary & Middle School	3.0
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EDUC 547	The Teaching of Geometry & Measurement in Elementary & Middle School	3.0
<b>Two of the following:</b>		
EDUC 502	Technology for Teaching, Learning & Leadership	3.0
EDUC 534	Current Issues in Early Childhood & Elementary Education	3.0
EDUC 545	Modern Mathematics Methods	3.0
EDUC 553	Foundations of Elementary STEM (Science-Technology-Engineering-Mathematics) Education	3.0
EDUC 561	Teaching Diverse Learners in an Inclusive Setting	3.0
EDUC 576	Curriculum & Methods in Inclusive Classrooms: Math and Science	3.0
EDUC 578	Educational Leadership and Group Dynamics	3.0
EDUC 581	Research-Based Teaching, Learning & Assessment	3.0
EDUC 583	Principles of Curriculum Development & Appraisal	3.0
EDUC 584	Systemic Change Processes for School Improvement	3.0

**Required (6 credits)**

EDMA 530	Mathematics Education Leadership I	3.0
EDMA 531	Mathematics Education Leadership II: Practicum	3.0

**Grades 4-9 Concentration**

The concentration in Grades 4-9 includes five courses in mathematics, three courses in education, and two courses in mathematics education leadership.

To earn a degree in Mathematics Instructional Leadership, candidates will:

- earn a program grade point average of at least 3.0; and
- earn an average score of at least 3.0 on the leadership portfolio.

In order to be eligible for MSDE endorsement as Mathematics Instructional Leader, grades 4-9, candidates must complete the requirements listed above and:

- hold a valid, professional certificate in Maryland with certification in Middle School Mathematics;
- present verification of 27 months of satisfactory teaching experience including mathematics;
- earn at least a C in all required courses; and
- earn (or have previously earned) the Maryland passing score on the middle school mathematics Praxis II content area assessment.

Candidates have one year from graduation to pass the Praxis II assessment and to complete all other program requirements in order to be designated an official program completer. It is the responsibility of the candidate to inform the program director upon completion of all requirements.

**Mathematics requirement 15 credits**

MATH 500	Statistics	3.0
MATH 501	Explorations in Geometry	3.0
MATH 502	Explorations in Algebra	3.0
MATH 503	Explorations in Calculus	3.0
MATH 505	Discrete Math	3.0

**Education requirement (6 credits)**

EDUC 546	The Teaching of Numbers, Operations & Algebraic Thinking in Elementary & Middle School	3.0
or		
EDUC 552	The Teaching of Algebra	3.0
EDUC 547	The Teaching of Geometry & Measurement in Elementary & Middle School	3.0
or		
EDUC 551	The Teaching of Geometry	3.0

**One of the following**

EDUC 502	Technology for Teaching, Learning & Leadership	3.0
EDUC 534	Current Issues in Early Childhood & Elementary Education	3.0
EDUC 545	Modern Mathematics Methods	3.0
EDUC 553	Foundations of Elementary STEM (Science-Technology-Engineering-Mathematics) Education	3.0
EDUC 561	Teaching Diverse Learners in an Inclusive Setting	3.0
EDUC 576	Curriculum & Methods in Inclusive Classrooms: Math and Science	3.0
EDUC 578	Educational Leadership and Group Dynamics	3.0
EDUC 581	Research-Based Teaching, Learning & Assessment	3.0
EDUC 583	Principles of Curriculum Development & Appraisal	3.0
EDUC 584	Systemic Change Processes for School Improvement	3.0
EDUC 595	The Teaching of Statistics & Probability: Decision Making with Mathematics	3.0
EDUC 596	The Teaching of Mathematical Modeling: Strategies for Contemporary Problems	3.0

**Required 6 credits**

EDMA 530	Mathematics Education Leadership I	3.0
EDMA 531	Mathematics Education Leadership II: Practicum	3.0

## ORGANIZATIONAL LEADERSHIP, DBA/DOL

**Program Director**, Kathleen C. Bands, Ph.D.; bands@hood.edu; 301-696-3818

The Doctorate in Organizational Leadership is a 60-credit program of graduate study and applied research for:

- Persons holding a master's degree and currently employed in business, non-profit sector, military or government who are seeking additional leadership development as part of personal, career and professional growth program
- Educators and administrators in public and private education and higher education with interest in leadership development to advance their career; and
- Professionals already holding advanced degrees who desire to extend their preparation in leadership development

The courses are designed for working professionals and scheduled in the evening and weekends for those who work full-time. A cohort moves through the three-year program.

**Procedure for Applying**

Once a year in the fall, a new cohort begins their program of study. Admission dates for Doctoral Program in Organizational Leadership (DBA/DOL) open in the spring semester, not later than February 1. All applications must be completed by May 15. Candidates admitted to the program will be notified after all the applications are reviewed. Candidates may be asked to complete a campus interview as part of the admission process.

#### Application Requirements

- Master's degree in any discipline for DOL
- Master's degree in Business or related field required for DBA

Applicants will be accepted into the program based on selection criteria that include graduate coursework, grade point average, personal statements, area of research interest, resume, letters of recommendation, and experience.

Those interested in applying must:

- Complete the online application at [www.hood.edu/graduate](http://www.hood.edu/graduate)
- Submit official transcripts of all graduate work completed for Master's degree with a minimum of 3.25 GPA
- Minimum of eight to ten years of progressive professional work experience
- Resume
- Two letters of Recommendation - including one from your employer that speaks to your professional work experience and leadership skills and another individual who can attest to your leadership skills
- Personal essay of 400 to 500 words:
  - What attracts you to the Doctorate in Organizational Leadership?
- Select one of the following prompts and write an essay of 500 to 750 words:
  - What is the role of leadership in an organization as it focuses on challenges and issues of the 21<sup>st</sup> century?
  - Leadership is often defined as the "art of influence." What are the lessons you have learned from a leader you admire?
  - Compare and contrast your leadership styles with that of a leader you admire and respect.
- Candidate must provide one of the following admission elements
  - Standardized Test Scores (SLLA, GRE, GMAT or MAT)
  - Evidence of master's level culminating research experience (capstone project, thesis, field work or action research project)
- Successful completion of a graduate level research methodology/statistics course

For additional admission information, see Graduate Admission (p. 189)

The doctoral program in organizational leadership is administered by the Departments of Education and Business Administration, by the director of the Doctoral Program in Organizational Leadership, assisted by the Program Advisory Council and Administrative Committee for DOL.

### PROGRAM REQUIREMENTS

The doctoral programs Doctorate in Organizational Leadership (DOL/DBA) requires sixty credits beyond the master's degree and consists of twenty-seven credits of leadership core coursework, twelve credits from a specialization tier, nine credits of research methodology courses, and a twelve-credit applied research-based dissertation project.

#### Research Methodology Tier

To address the research tier, all candidates complete the following three Research Methodology courses for a total of nine credits:

LEAD 620	Qualitative Research in Social Sciences- Theory and Design	3.0
LEAD 621	Statistical Methods for Social Science Research: Design and Analysis	3.0
LEAD 622	Evidence-Based Theory, Research & Application	3.0

#### Core Leadership Tier

Courses delivering the 27 core credits are designed to provide every cohort member with a common set of understandings about key elements of effective organizational leadership. This tier of courses includes the following:

LEAD 601	Seminar in Leadership Theory and Practice	4.0
LEAD 602	Seminar in Ethics and Leadership	4.0
LEAD 603	Leading and Managing Human Capital	3.0
LEAD 604	Leadership and Strategic Communication	3.0
LEAD 605	Seminar in Leading Strategic Change and Transformation	4.0
LEAD 606	Financial Stewardship for Leaders	3.0
LEAD 607	Leadership, Advocacy and Policy	3.0
LEAD 608	Sustainable Systemic Leadership	3.0

#### Additional Requirements for DBA candidates

- Six approved management workshops
- Conference presentation (local, regional, national, or international)
- Experiential opportunity with a faculty member
- Paper publication (or preparation of paper to be published)

#### Research-Based Dissertation Project

Candidates design a dissertation research project to address a challenge within their working context, organization, or community. The project incorporates leadership-based research, and the working context of the candidate, and the impact of effective leadership. The credits are distributed across three semesters of 3-four credit classes:

LEAD 630	Dissertation I: Theoretical Framework	4.0
LEAD 631	Dissertation II: Proposal Defense	4.0
LEAD 632	Dissertation III: Research Study Defense	4.0

**Comprehensive Examination:** Students will sit for a comprehensive examination that tests their grasp of the first five leadership core classes and the three research methods courses. Comprehensive exams are completed in the spring of Year II of the program.

**Portfolio Evaluation:** Students will be required to maintain a portfolio of their work in Chalk and Wire. The major assignment from each class must be submitted to Chalk and Wire. This collection of assignments will comprise the student portfolio, which will be reviewed at the end of each year by a doctoral faculty team. In addition, students are required to submit a statement indicating their plans for future research and dissertation work at the end of the first year. This statement will also be reviewed by a doctoral faculty team.

#### Additional Dissertation Support Courses

Candidates have one semester after the end of LEAD 631 and LEAD 632 to defend and upload their final dissertation. After that time, candidates must be enrolled in these additional 1-credit courses each semester until the IP grade for 631 and/or 632 are replaced with final grades.

LEAD 631A	Proposal Support Course	1.0
LEAD 632A	Dissertation Support	1.0

### Specialization Tier

Candidates who enter the doctoral program come from many different sectors including business, higher education and public education, non-profits, the military and government. In order to provide a flexible program that meets the personal and professional needs of candidates, the specialization tier provides opportunity to develop more specialized study. Selection of courses are guided by the candidate's goal of enhancing understanding of their industry or building new content development in a complimentary area. Candidates will work closely with their faculty adviser and select courses to support their personal and professional goals. The candidates will identify courses at the end of year one coursework and submit a declaration of specialization form to the Doctoral Program Director for approval. Year II and III coursework will include the specialization courses outlined in the declaration form.

All candidates will select one specialization from the following:

- General Leadership
- Education Leadership
- Business Leadership
- Government Leadership

The twelve specialization credits are selected by candidates from among the graduate course offerings within the disciplines of Counseling, Economics & Business Administration, and Education; the selection of specialization courses is subject to the approval of each candidate's adviser and Program Director. With similar approval, appropriate courses from other departments may also meet this requirement. Candidates complete all course requirements for each of the three courses in this series and, in addition, in consultation with their adviser, design and conduct a project related to each course. These projects may involve either the candidate's employer or a local organization and may have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience. Up to six credits beyond the master's degree may be transferred toward meeting this requirement with the approval of the advisor. Special topics courses may be included in the specialization with approval of their advisor and Program Director.

#### Select three of the following:

LEAD 600	Human Development as a Lifelong Process	4.0
LEAD 609	Social & Cultural Foundations of Couns	4.0
LEAD 610	Lifestyle and Career Development	4.0
LEAD 611	Research and Prog Evaluation	4.0
LEAD 612	Tech for Literacy,Leadership & Learning	4.0
LEAD 613	School Law	4.0
LEAD 614	Admin Student Services	4.0
LEAD 615	Trauma & Crisis Interventions	4.0
LEAD 624	Advanced Data Analytics with R	4.0
LEAD 651	Financial Statement Analysis	4.0
LEAD 652	Negotiation & Conflict Resolution	4.0
LEAD 660	Managerial Economics	4.0
LEAD 662	Financial & Managerial Accounting	4.0
LEAD 663	Marketing Management	4.0
LEAD 665	International Management	4.0
LEAD 666	Information Management & Technology	4.0
LEAD 668	Accounting Information Systems	4.0
LEAD 669	Project Management	4.0
LEAD 670	Marketing Analysis for Managers	4.0
LEAD 672	Supply Chain Mgmt	4.0
LEAD 675	Independent Study	4.0
LEAD 676	Advanced Financial Management	4.0
LEAD 677	Portfolio and Investment Management	4.0
LEAD 678	International Financial Management	4.0

LEAD 680	Strategic Cost Management	4.0
LEAD 681	Research-Based Tchng,Lrng,Assessment	4.0
LEAD 682	Educational Philosophy in a Diverse Soc	4.0
LEAD 684	Systemic Change Proc/Sch Improvement	4.0
LEAD 686	Principles of Educational Supervision	4.0
LEAD 687	Public Administration	4.0
LEAD 690	Strategy & Competitive Advantage	4.0
LEAD 699	Special Topics in Org. Leadership	4.0

## READING SPECIALIZATION, M.S.

**Program Director:** Ellen Koitz, Ed.D. koitz@hood.edu; 301-696-3466

The Master of Science in Reading Specialization degree program provides the understanding and competencies necessary for the reading specialist certificate. Open to certificated teachers who will have three or more years of teaching experience by the time the Master of Science degree is conferred, it is directed to the reading needs of all school children (K-12). A supervised experience in a reading clinic is the capstone to a course sequence that provides both breadth and depth in reading specialization. Graduation from this program leads to Maryland certification as a reading specialist.

### Application Requirements

Submit the online application including one official transcript reflecting the highest degree conferred and a copy of the applicant's teaching certificate. Qualified applicants will be contacted for an interview with the program director of the M.S. in Reading Specialization program. Program expectations and requirements are explained to the applicant at this time. In addition, applicants must produce an acceptable writing sample during the interview process.

For additional admission information, see *Graduate Admission* (p. 189).

## PROFESSIONAL EDUCATION CORE COURSES

### 1. Maintain a 3.0 cumulative grade point average in the following three required courses:

EDUC 502	Technology for Teaching, Learning & Leadership	3.0
EDUC 577	Introduction to Educational Research	3.0
EDUC 582	Educational Philosophy in a Diverse Society	3.0

### 2. Show evidence of taking a Processes and Acquisition of Reading course as an undergraduate or through an in-service course.

### 3. Show evidence of completion of at least 3 credits of Special Education coursework as required by the Maryland State Department of Education.

This should be indicated in the Ancillary Credits section of the teaching certificate. If the teaching certificate does not indicate that 3 credits of special education coursework has been taken, then the applicant will be required to complete EDUC 561, EDUC 571 or EDUC 573 at some point during the degree process.

## READING SPECIALIZATION COURSES

### 1. Maintain a 3.0 cumulative grade point average in the following courses:

EDUC 517	Materials for Teaching Reading: Instruction & Methods	3.0
EDUC 518	Reading Instruction:Elementary	3.0
EDUC 519	Reading Instruction:Secondary	3.0
EDUC 520	Reading Diagnosis	3.0
EDUC 529	Literacy Leadership	3.0

**2. Pass comprehensive examination and maintain a 3.0 grade point average in:**

EDUC 523	Reading Diagnosis & Prescription: Clinical	3.0
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## CAPSTONE COURSES

**1. Maintain a 3.0 cumulative grade point average in:**

EDUC 521	Contemporary Issues in the Teaching of Reading	3.0
EDUC 524	Advanced Clinical Reading Experiences: Elementary	3.0
EDUC 525	Advanced Clinical Reading Experiences: Secondary	3.0

**2. Successful evaluation from the lead teachers and director of the practicum courses.**

**3. An Exit Folio is required.**

### PROGRAM COMPLETION

Program completion in the M.S. in Reading Specialization program will complete the following activities:

1. Receive a distinguished or proficient rating on the exit folio.
2. Program Evaluation Survey at the completion of the exit folio requirement.
3. Program Survey one year after program completion.

## GRADUATE CERTIFICATE PROGRAMS

### ACCOUNTING, CERTIFICATE

**Program Director:** Tianning Li, Ph.D. li@hood.edu; 301-696-3688

The Certificate in Accounting is designed as a post-bachelor's program for professionals who want to change their career focus to accounting. It covers important topics such as financial statements, cost analysis, management planning and control systems, financial reporting, and accounting information systems.

#### Application Requirements

Students applying for the Accounting Certificate program must have a Bachelor's degree from an accredited institution. Applicants should submit an official transcript from the institution where their highest degree was conferred. In addition, students must complete a Statement of Intent of at most 250 words that describes their background experience and future goals. Students who apply and are accepted into the MBA program while pursuing their Accounting Certificate may apply all certificate coursework towards their MBA degree.

### REQUIREMENTS FOR THE CERTIFICATE

Students must complete five three-credit courses for a total of fifteen credits. Successful completion requires a student to maintain a minimum GPA of 3.00. The following courses comprise the certificate:

#### Required

MGMT 553	Foundations of Accounting	3.0
MGMT 562	Financial & Managerial Accounting	3.0
MGMT 568	Accounting Information Systems	3.0
MGMT 580	Strategic Cost Management	3.0
MGMT 581	Financial Statement Analysis	3.0

### BIOINFORMATICS, CERTIFICATE

**Program Director:** Miranda Darby, Ph.D., darby@hood.edu; 301-696-3650

The Bioinformatics Certificate is designed particularly for students who have a background in biotechnology, biomedical science or the life sciences, either through formal study or professional experience. The certificate introduces foundational areas of bioinformatics: utilization of public databases and applications, data mining, programming, applied statistics, and analysis of genomic, proteomic and modeling data, as well as an integrative capstone course in which students will coalesce and synthesize the skills that they have developed in the foundational courses to analyze and interpret primary data to answer a biological question.

#### Application Requirements

Students wishing to enter the program must demonstrate their previous education in the biological sciences in one of three ways: 1) a completed undergraduate degree with a minimum GPA of 2.75 in biology, molecular biology, or a related field that includes undergraduate coursework in molecular biology, upper level genetics (equivalent to Hood's BIOL 316) and cell biology (equivalent to Hood's BIOL 339); or, 2) acceptance into the Biomedical Science program; or 3) completion of a master's degree (MA or MSc) or Ph.D. in a biology-related field. Students admitted to the certificate program are eligible to switch to the MS in Bioinformatics during their course of study. All coursework can be transferred to the MS in Bioinformatics.

### REQUIREMENTS FOR THE CERTIFICATE:

#### Required

BIFX 502	Foundations in Computer Sciences (for non-Computer Scientists)	3.0
BIFX 550	Nucleic Acid Sequence Analysis and Protein Modeling	3.0
BIFX 551	Programming for Bioinformatics	3.0
BIFX 552	Bioinformatics Applications I	3.0
BIFX 553	Bioinformatics Applications II	3.0
BIFX 572	Computational Genomics and Proteomics	3.0

*BIFX 502 may be waived by program director upon admission.*

### CERAMIC ARTS, CERTIFICATE

**Program Director:** Chaz Martinsen; martinsen@hood.edu; 301-696-3526

The Hood College Graduate Certificate in the Ceramic Arts is a post-baccalaureate program providing an advanced studio experience to assist students in achieving a professional level of proficiency in the ceramic arts. With attention to the application of universal design principles and the unique requirements for teaching the ceramic arts at a variety of

institutional levels, the program has been designed to assist students in the development of technical proficiency, refinement of personal aesthetic expression and production of a comprehensive body of work. Although not a teaching certificate, the course work in ceramics will provide an intensive experience in a planned and structured curriculum based on aesthetics, technical and experiential learning and skill development. Through study, studio production and objective-subjective analysis of creative work, the program will prepare the student for the challenges, demands and opportunities of careers in ceramic arts and related art fields.

Students will gain knowledge and skills in the following:

- Forms and aesthetics in ceramic arts media
- Understanding of movements and concepts in art
- An ability to analyze formal issues and apply accurate terminology to that analysis
- Abilities to communicate aesthetic intentions verbally and in written form
- Skills necessary to organize an exhibition of personal works of art to meet MFA application criteria

### Application Requirements

Submit all official transcripts. Submit an essay detailing your experiences in clay and your art background, as well as your goals for entering the program. Submit a portfolio on CD of a minimum of 12 300 dpi images of your work.

### REQUIREMENTS FOR THE CERTIFICATE

The certificate includes 14 credits of required coursework and a minimum of 4 credits of electives for a total of at least 18 credits.

#### Required (14 credits)

ARTS 501	Glaze Application	1.0
ARTS 502	East Asian Wedged Coil Technique	1.0
ARTS 505	Ceramic Wheel: Masters' Throwing Concepts	2.0
ARTS 508	Ceramic Sculpture	3.0
ARTS 522	Glaze Calculation, Theory & Practice	3.0

#### Capstone Courses

ARTS 569	Survival Skills for Visual Artists	1.0
ARTS 570	Seminar in Personal Studio Research	3.0

#### Electives (minimum 4 credits)

ARTS 500	Ceramics: Sculpture/Handbuilding	3.0
ARTS 503	Ceramic Wheel: Intensive Throwing	3.0
ARTS 504	Ceramic Decoration	3.0
ARTS 506	Ceramic Wheel: Masters' Throwing II	2.0
ARTS 507	Plates and Platters	1.0
ARTS 509	Throwing Large Forms	3.0
ARTS 510	Brush Making	1.0
ARTS 512	Eastern & Western Tech in Trimming	1.0
ARTS 517	Dynamic and Asymmetrical Wheel	3.0
ARTS 520	Photographing Ceramics	1.0
ARTS 525	Electric Kilns	1.0
ARTS 530	Kiln Technology & Firing Theory	2.0
ARTS 531	Wood Firing Theory	2.0
ARTS 532	Firing Large Scale Wood Kiln	2.0
ARTS 540	Clay/Glaze Chemistry Theory & Practice	3.0
ARTS 542	Modeling the Figure	3.0
ARTS 543	History of Ceramic Arts	3.0
ARTS 545	Large Scale and Composite Sculpture	3.0
ARTS 547	Creating with Porcelain	3.0
ARTS 564	Aesthetics and Criticism	3.0
ARTS 575	Independent Study	1.0 - 3.0

ARTS 590	Teaching Assistant in Ceramic Arts	1.0 - 4.0
ARTS 599	Special Topics in Ceramic Arts	1.0 - 3.0

The 18 credits required to earn the Graduate Certificate in Ceramic Arts can be completed in one year.

## CYBERSECURITY, CERTIFICATE

**Program Director:** Ahmed Salem, Ph.D.; salem@hood.edu, 301-696-3731

The Certificate in Cybersecurity provides students the necessary networking and cybersecurity foundations and skills to identify, manage and address threats in any information technology environment. Completing the certificate ensures that students have received the academic preparation to pursue several professional credentialing certifications that attest standards of achievement in cybersecurity. The certificate requires the completion of three core courses and two electives.

### Application Requirements

This program is designed for students who may or may not have background in Computer Science or Information Technology, either through formal study or professional experience. For students without relevant background, two Foundation courses may be completed to prepare students to succeed in the program. To apply, all official transcripts and a résumé/CV that provides educational and professional experience with specific information about mathematics background, programming background, if any, and technical skills must be submitted.

### REQUIREMENTS FOR THE CERTIFICATE

#### Foundation Courses

The Cybersecurity Certificate requires the completion of prerequisite courses designed to provide the appropriate background knowledge. Students with undergraduate degrees in computer science or a related field may be waived from one or both courses. Any foundation courses required are in addition to the 15 credits required for program completion.

IT 510	Computing Hardware and Software Systems	3.0
CSIT 512	Elements of Computer Programming	3.0

#### Required Core Courses - 9 credits

CYBR 534/CSIT 534	Network and Internet Security	3.0
CYBR 548/CSIT 548	Telecommunications & Networking	3.0
CYBR555/ CSIT555	Information Systems Security	3.0
<b>Electives - 6 credits (Two courses from below)</b>		
CYBR 521/CSIT 521	Info Assurance & Risk Assessment	3.0
CYBR 532/CSIT 532	Computer Forensics	3.0
CYBR 535/IT 535	Security Policies, Ethics and Law	3.0
CYBR537/CSIT537	Applied Encryption and Cryptology	3.0
CYBR 556	Ethical Hacking	3.0
CYBR 599	Special Topics	3.0

## EDUCATIONAL LEADERSHIP, CERTIFICATE

**Program Director:** Daniel Shea, shea@hood.edu; 301-696-3766

The Educational Leadership Certificate Program provides students with a comprehensive foundation in the principles and practices of school administration and supervision. This program is approved by the Maryland State Department of Education (MSDE) for students who complete the coursework to earn their Administrator I license. Students who take the six-course certificate program have already completed a Master's degree that is required by MSDE. Students who complete the coursework may also take the ETS School Leaders Licensure Assessment (SLLA) that enables a student to earn the MSDE Administrator II license. All MSDE requirements, including Special Education coursework, must be met to earn the Administrator I license.

### REQUIREMENTS FOR THE CERTIFICATE

Students enrolled in this certificate must have a master's degree in a related education field and must complete 18 credit hours in six required courses. Students enrolled in this program are not eligible to transfer in any credits.

#### Required

EDUC 513	School Law	3.0
EDUC 583	Principles of Curriculum Development & Appraisal	3.0
EDUC 584	Systemic Change Processes for School Improvement	3.0
EDUC 586	Principles of Educational Supervision	3.0
EDUC 589	School Business & Personnel Administration	3.0
EDUC 587	Elementary School Administrative Internship	3.0
	or	
EDUC 588	Secondary School Administrative Internship	3.0

## ELEMENTARY SCIENCE-TECHNOLOGY-ENGINEERING-MATHEMATICS (STEM) EDUCATION, CERTIFICATE

**Program Directors:** Kristy Calo, Ph.D. calo@hood.edu; 301-696-3463 and Rebecca Grove, Ph.D. grove@hood.edu; 301-696-3172

The Hood College Certificate in Elementary Science-Technology-Engineering-Mathematics (STEM) Education consists of 15 credits and is intended for currently certified elementary teachers interested in developing a special expertise in the area of STEM education and teaching.

### Application Requirements

Submit the online application including one official transcript reflecting the highest degree conferred, a copy of the applicant's teaching certificate, and a writing sample. Qualified applicants will be contacted for an interview with the program director of Curriculum and Instruction or the program coordinator in the Concentration area. Program expectations and requirements are explained to the applicant at this time. In addition, applicants must produce an acceptable writing sample during the interview process.

## REQUIREMENTS FOR THE CERTIFICATE (15 CREDITS):

#### Required:

EDUC 502	Technology for Teaching, Learning & Leadership	3.0
EDUC 540	Modern Science Methods	3.0
EDUC 545	Modern Mathematics Methods	3.0
EDUC 553	Foundations of Elementary STEM (Science-Technology-Engineering-Mathematics) Education	3.0
EDUC 597ST	STEM Capstone Activity	3.0

*Alternate methods courses may be substituted for EDUC 540 and EDUC 545 with program director approval.*

Alternate methods courses may be substituted for EDUC 540 and EDUC 545 with program director approval. EDUC 530 may be substituted for EDUC 502.

## FINANCIAL MANAGEMENT, CERTIFICATE

**Program Director:** Tianning Li, Ph.D. li@hood.edu; 301-696-3688

The Certificate in Financial Management is designed to provide valuable skills in financial reporting, analysis, and management for new financial managers, professionals who desire to advance their knowledge in finance, and those seeking to upgrade their competencies in the latest financial tools and techniques. The certificate program covers important topics such as financial reporting, financial structuring, and risk-return analysis of projects, investment and portfolio management, hedging financial risks, and mergers and acquisitions.

### Application Requirements

Students applying for the Financial Management Certificate program must have a Bachelor's degree from an accredited institution. Applicants should submit an official transcript from the institution where their highest degree was conferred. In addition, students must complete a Statement of Intent of at most 250 words that describes their background experience and future goals. Students who apply and are accepted into the MBA program while pursuing their Financial Management Certificate may apply all certificate coursework towards their MBA degree.

### REQUIREMENTS FOR THE CERTIFICATE

Students must complete five three-credit courses for a total of fifteen credits. Successful completion requires a student to maintain a minimum GPA of 3.00. The following courses comprise the certificate:

#### Required

MGMT 553	Foundations of Accounting	3.0
MGMT 561	Financial Management	3.0
MGMT 576	Advanced Financial Management	3.0
MGMT 577	Portfolio and Investment Management	3.0
	or	
ECMG 578/ECMG 478	International Financial Management	3.0
MGMT 581	Financial Statement Analysis	3.0

## GEOGRAPHIC INFORMATION SYSTEMS (GIS) IN ENVIRONMENTAL BIOLOGY, CERTIFICATE

**Program Director:** Susan Carney, Ph.D.; carney@hood.edu; 301-696-3648

Geographic Information Systems (GIS) are a special class of information systems that are used for processing and analyzing geographically referenced (georeferenced) data. Georeferenced data, a special category of spatial data, have two crucial properties. First, georeferenced data are registered to an accepted geographical coordinate system of the Earth's surface so that data from different sources can be cross-referenced and integrated. Second, georeferenced data are represented at geographic scale and must be generalized and symbolized. Understanding and using georeferenced data will require study of the fundamental principles of cartography.

Students will gain practical knowledge in the following areas:

- Current theory and fundamentals in GIS
- Application and analysis of GIS data from all fields of environmental biology
- Ability to propose relevant GIS research for current environmental issues
- Proficiency in remote-sensing theory and practices

### Application Requirements

Students applying for the certificate in GIS program must complete an essay (550 words or less) that includes background experience and future goals. All official transcripts must be submitted. Two letters of recommendation are suggested but not required. A minimum 2.75 cumulative GPA is required for admission to the Graduate School and to the Environmental Biology program, however a GPA of 3.0 or higher is preferred. It is recommended that entering students have completed undergraduate coursework in the following: Biology (2 semesters, with lab), Chemistry (2 semesters, with lab), and Mathematics (1 semester).

### REQUIREMENTS FOR THE CERTIFICATE (18 CREDITS MINIMUM)

#### Required (9 credits)

ENV 501	Introduction to Environmental Biology	3.0
ENV 502	Principles of Ecology	3.0
ENV 526G	Introduction to GIS Mapping	1.0
ENV 526H	Introduction to GIS Analysis	1.0
ENV 526I	Introduction to Remote Sensing	1.0

#### Electives (Minimum of 9 credits):

Once students successfully complete ENV 526G and ENV 526H and meet all the pre-requisites for a given course, students will select an additional 9 credits of GIS electives. The elective courses will require a major GIS-related project or paper in order to receive certificate credit. It is the student's responsibility to inform the instructor of an elective course whether the GIS-option is being selected by the drop/add deadline each semester.

ENV 503G	Pollution Biology	3.0
ENV 506G	Environmental Microbiology	3.0
ENV 507G	Natural Resource Management	3.0
ENV 511G	Conservation Biology	3.0
ENV 512G	Insect Ecology	3.0
ENV 513G	Marine Ecology	3.0
ENV 516G	Watershed Hydrology	3.0
ENV 550IG	Landscape Ecology	1.0
ENV 550LG	Topic: Advanced Geographic Processing	1.0
ENV 550MG	Soil Ecology	3.0
ENV 550NG	Nutritional Ecology	3.0
ENV 550PG	Agroecology	3.0
ENV 551G	Plant Ecology	3.0
ENV 563G	Freshwater Ecology	3.0
ENV 564G	Environmental Toxicology	3.0

ENV 577G	Climate Change	3.0
ENV 578G	Climate Change Capstone	3.0
ENV 579G	Independent Research Project	3.0
ENV 591G	Internship in Environmental Biology	3.0
ENV 580AG	ENV Master's Thesis A and	3.0
ENV 580BG	ENV Master's Thesis B	3.0

ENV 579G, ENV 580AG, ENV 580BG: Available only to students simultaneously pursuing the MS in Environmental Biology.

## PROJECT MANAGEMENT

**Program Director:** Mary Jo Anderson,  
D.M.; andersonmj@hood.edu; 301-696-3133

Growing out of collaboration with local businesses and government agencies the Project Management Certificate was developed to serve the diverse needs in the Frederick and regional communities. Project management skills are crucial in driving organization performance and maintaining competitive advantage. Specifically, the project management curriculum is designed to meet the needs of:

1. Professionals managing projects in the life sciences and bioinformatics sector; and,
2. Those engaging in project management of information technology projects.

### Application Requirements

Students applying for the Project Management Certificate program must have a Bachelor's degree from an accredited institution. Applicants should submit an official transcript from the institution where their highest degree was conferred. Management Theory (MGMT 551 (p. 242) Hood equivalent) is a prerequisite to the program. Students interested in Information Technology sequence should also provide transcripts showing a prerequisite level course in Intro to Data Analysis/Data Mining (ITMG 516 (p. 241) Hood equivalent). In addition, students must complete a Statement of Intent of at most 250 words that describes their background experience and future goals.

### PROGRAM REQUIREMENTS

Outside of any prerequisite level foundation courses required, students must complete at least two core courses and two sequence courses for a total of 12 credits.

#### Prerequisite Foundation Course

The following course is a prerequisite to the program. Students who do not have this course must take it in addition to other required courses. The program director will make the determination at the time of application review whether the course is required.

#### Required Courses

MGMT 560	Leadership & Organizational Behavior	3.0
MGMT 569	Project Management	3.0

#### One of the following sequences

##### Life Sciences Sequence

BMS 542	Ethics in Science	3.0
BIFX 545	Leading Reproducible Research	3.0

##### Information Technology Sequence

The following course is a prerequisite to ITMG 533, which is required for the Information Technology (IT) sequence:

ITMG 516 Data Analytics/Data Mining



Students who do not have this prerequisite course must take it prior to and in addition to the IT sequence coursework. The program director will make the determination at the time of application review whether prerequisite course is required.

ITMG 533	Managing Technical Project Teams	3.0
MGMT 566	Information Management & Technology	3.0

#### Other course substitution options

In both the Life Sciences and Information Technology sequences, students may be permitted to substitute appropriate special topics courses (ITMG 599 or BIFX 599) or directed independent study (ITMG 575 or BIFX 575) with direct topical focus towards project management and with permission of the advisor.

## ORGANIZATIONAL MANAGEMENT, CERTIFICATE

**Program Director:** Tianning Li, Ph.D. li@hood.edu; 301-696-3688

The Certificate in Organizational Management is designed to prepare individuals to manage organizations in modern society by providing them with the knowledge, skills and competencies required to assume leadership positions. The certificate program covers important topics such as leadership, communication, change management, negotiation, corporate social responsibility, and human resource management.

#### Application Requirements

Students applying for the Organizational Management Certificate program must have a Bachelor's degree from an accredited institution. Applicants should submit an official transcript from the institution where their highest degree was conferred. In addition, students must complete a Statement of Intent of at most 250 words that describes their background experience and future goals. Students who apply and are accepted into the MBA program while pursuing their Organizational Management Certificate may apply all certificate coursework towards their MBA degree.

#### REQUIREMENTS FOR THE CERTIFICATE:

Students must complete five three-credit courses for a total of fifteen credits. Successful completion requires a student to maintain a minimum GPA of 3.00. The following courses comprise the certificate:

<b>Required:</b>		
MGMT 551	Management Theory	3.0
MGMT 560	Leadership & Organizational Behavior	3.0
MGMT 567	Organizational Sustainability	3.0
MGMT 582	Negotiation & Conflict Resolution	3.0
MGMT 585	Human Resource Management	3.0

## SECONDARY MATHEMATICS EDUCATION, CERTIFICATE

**Program Director:** Christy Graybeal Ph.D. graybeal@hood.edu; 301-696-3838

This 15-credit certificate program is designed for current middle and high school mathematics teachers. It combines courses in mathematics and education, and focuses on the mathematics covered in Maryland's College and Career-Ready Standards.

**This program does not lead to initial teaching certification.**

#### Application Requirements

Submit one official transcript reflecting the highest degree conferred.

#### REQUIREMENTS FOR THE CERTIFICATE

<b>Required:</b>		
MATH 505	Discrete Math	3.0

#### Two of the following sequences:

<b>Sequence 1:</b>		
MATH 501	Explorations in Geometry	3.0
EDUC 551	The Teaching of Geometry	3.0

<b>Sequence 2:</b>		
MATH 502	Explorations in Algebra	3.0
EDUC 552	The Teaching of Algebra	3.0

<b>Sequence 3:</b>		
MATH 500	Statistics	3.0
EDUC 595	The Teaching of Statistics & Probability: Decision Making with Mathematics	3.0

Exceptions to these requirements may be granted on a case-by-case basis, depending on the student's education and experience.

#### Other courses which may be substituted for individual students:

EDUC 596	The Teaching of Mathematical Modeling: Strategies for Contemporary Problems	3.0
MATH 503	Explorations in Calculus	3.0
MATH 504	Explorations in Secondary School Mathematics	3.0
MATH 507/MATH 407	Introduction to Graph Theory	3.0
MATH 509/MATH 409	Elementary Number Theory	3.0
MATH 520	Mathematical Modeling for Teachers	3.0
MATH 570	History of Mathematics	3.0
MATH 599	Special Topics	3.0

## THANATOLOGY, CERTIFICATE

**Program Director:** Brenda Schildknecht-Hargett, Ph.D. schildknecht-hargett@hood.edu; 301-696-3346

The Certificate Program in Thanatology is intended for individuals working in the field of thanatology who seek career augmentation, and for professionals already licensed or certified in human service fields who wish to obtain specific preparation in thanatology. The certificate program deepens a student's understanding of the impact of death on the individual and society and prepares the student to meet the special needs of the bereaved, and of the terminally ill and their families. This certificate program is also available to students enrolled in the Counseling or Human Behavior master's programs.

#### Application Requirements

Submit one official transcript reflecting the highest degree conferred.

#### REQUIREMENTS FOR THE CERTIFICATE

<b>Required:</b>		
THAN 521/COUN 521	Grief, Mourning and Bereavement	3.0
THAN 523/COUN 523	Principles of Thanatology	3.0
THAN 528/COUN 528	Developmental Perspectives in Thanatology	3.0
THAN 529/COUN 529	Historical and Multicultural Perspectives in Thanatology	3.0

Successful completion of the certificate requires a minimum GPA of 3.00

The Certificate in Thanatology program is designed to conform to the education requirements of the Association for Death Education and Counseling (ADEC) for those persons interested in becoming certified as thanatologists.

# GRADUATE COURSES

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## About Graduate Course Offerings

### Course Offerings

Each course indicates when the course is offered.

**500-599 Courses numbered in this way designate graduate courses.**

**600-699 Courses numbered in this way designate doctoral courses.**

## AFAM - AFRICAN AMERICAN STUDIES

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### AFHS 524 - Race and Racism in the United States (3.0)

This course explores the origins and development of racial attitudes, both scientific and popular, supporting mythologies, and contemporary institutional expressions. It will also discuss the African Americans' attempts to resist white supremacy. Emphasis will be on African American history since Reconstruction.

Cross-Listed as: Double-numbered course; offered with undergraduate-level AFHS 424

Offered: As Needed

### AFAM 570 - African American Feminist Thought (3.0)

An examination of African-American feminist scholarship in the 19th and 20th centuries, as African-American women grappled with the issues of gender, race and class. Focus on African-American women's perspectives and diverse experiences within the context of changing political, economic and social structures.

Cross-Listed as: Double-numbered course; offered with undergraduate-level AFAM 470

Offered: As Needed

## ART - ART

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### ART 504 - Iconography and Iconology (3.0)

*Prerequisites: ARTS 543 or ARTS 564; or Permission of Instructor*

Designed for art history and studio art graduate students, this course focuses on various modes of iconography and its interpretation (iconology) in the visual arts.

Core: Art/Visual & Performing

Offered: As Needed (Even Years)

### ART 568 - Contemporary Topics in Visual Art (3.0)

*Prerequisite: 6 credits of ART or ARTS courses at the graduate level.*

Designed for advanced art history and studio art majors, this course focuses on contemporary topics in the visual arts with an emphasis on

important developments in North American and European theory and criticism from the 1960s to the present.

Cross-Listed as: Double-numbered course; offered with undergraduate-level ART 468

Offered: Spring Semester (Odd Years)

### ART 569 - Advanced Topics in Archaeology (3.0)

*Prerequisites: INST 512 or 3 credits of 500-level ART.* This seminar course will be devoted to various important subjects in archaeology. Topics will be issues of concern to professional archaeologists today; possible topics include archaeological ethics; religion and archaeology; ceramics and archaeology; and science in archaeology.

Cross-Listed as: Double-numbered course; offered with undergraduate-level ART 469

Offered: Fall Semester (Odd Years)

### ART 570 - Seminar: Topics in Art History & Archaeology (3.0)

This capstone course will be dedicated to various important subjects in art history, archaeology and visual culture. Part will be devoted to lecture and discussion of key readings, images and objects, part to the presentation and consideration of directed research by students.

Cross-Listed as: Double-numbered course; offered with undergraduate-level ART 470

Offered: Spring Semester

### ART 571 - Archaeological Fieldwork (1.0 - 3.0)

Designed for students with some experience in archaeological fieldwork, who would like to gain greater hands-on experience at an archaeological site selected in collaboration between the student and archaeology concentration coordinator. Students will be expected to acquire one or more advanced archaeological skills.

Offered: Either Semester

### ART 575 - Independent Study (1.0 - 3.0)

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

*Prerequisite: permission of the chair of the department.* A maximum of 6 credits may be applied to a degree program. (1-3 credits per independent study)

Offered: Either Semester

## ARTS - STUDIO ARTS

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### ARTS 500 - Ceramics: Sculpture/Handbuilding (3.0)

*Lab fee.* An in-depth study of materials, skills and procedures relating to a variety of handbuilding techniques in a sculptural direction in clay, with an emphasis on form, surface, transitions and terminations, considerations for surface finishing and firing, and the development of aesthetics in the sculptural ceramic form.

Offered: Both Semesters

**ARTS 501 - Glaze Application (1.0)**

*Lab fee.* A study of basic and advanced information and techniques for successful glazing of the ceramic form. Learn to analyze the bisque form to make appropriate finishing choices to balance or strengthen the composition, learn techniques that will facilitate the glazing process and discuss procedures to standardize to achieve consistent glaze results.

Offered: Fall Semester

**ARTS 502 - East Asian Wedged Coil Technique (1.0)**

*Lab fee.* One of the most valuable methods for the construction of asymmetrical work, East Asian Wedged Coil Technique provides the greatest wet structural strength for clay sculpture. Learn coil making and building, and the advanced techniques of coil riveting, ribbing, bridging, boating and bracing for large and/or sculptural forms in clay.

Offered: Either Semester and/or Summer

**ARTS 503 - Ceramic Wheel: Intensive Throwing (3.0)**

*Lab fee.* An advanced study of the production of ceramic ware using the potter's wheel as a primary tool. Through exercises, personal research and practice, the student will create open and vertical forms at the potter's wheel, understand the basic nature of clay, throwing, trimming, glazing and firing techniques to produce finished glazed pieces for critique.

Offered: Both Semesters and/or Summer

**ARTS 504 - Ceramic Decoration (3.0)**

*Lab fee.* An in-depth study of materials and techniques suitable for the enrichment of clay and glaze surfaces, decoration in the forming process, the bisque fired stage, the use of firing technologies, post-firing techniques, and three dimensional design concepts that evoke appropriate decorative treatments for works in clay.

Offered: Spring Semester

**ARTS 505 - Ceramic Wheel: Masters' Throwing Concepts (2.0)**

*Lab fee.* An in-depth study of advanced throwing concepts designed to assist the student to cognitively understand the essence of clay, the broadcast potential of the medium and learn to respond to the forces affecting the movement of clay during the throwing process in a synthesis of skill, knowledge and artistic expression.

Offered: Spring and/or Summer Semester

**ARTS 506 - Ceramic Wheel: Masters' Throwing II (2.0)**

*Prerequisite: ARTS 503 or ARTS 505. Lab fee.* A concentration on advanced throwing skills, to develop the confidence and strength which frees the student to move toward individual aesthetic expression. The course provides a more in-depth coverage of specific concepts with focus on individual needs for building skill, efficiency and personal direction.

Offered: Fall Semester

**ARTS 507 - Plates and Platters (1.0)**

*Lab fee.* An in-depth study of the throwing and finishing plates and large platters, including structural strength concepts for low open forms, methods for centering, a variety of throwing techniques, information on finishing, firing and composition.

Offered: Spring Semester

**ARTS 508 - Ceramic Sculpture (3.0)**

*Prerequisite: ARTS 502. Lab fee.* Applied three-dimensional ceramic design and construction covering a variety of methods of hand-forming with clay to take a sculptural direction. Techniques include tile relief,

eastern coil, slab construction, modeling the figure, the portrait bust, structural strength concepts for sculpture and firing considerations for sculptural forms.

Offered: Summer Semester

**ARTS 509 - Throwing Large Forms (3.0)**

*Lab fee.* The workshop will focus on the techniques and aesthetic perspective employed to produce large-scale pots. Participants will develop alternate methods to throw and center large pots. Throwing large allows a more elastic understanding of the relationship between object and the space it occupies.

Offered: Summer Semester

**ARTS 510 - Brush Making (1.0)**

*Lab fee.* The brushmaking techniques, developed for use in ceramic decoration, have been adapted from traditional methods used by Japanese potters to take advantage of glues, threads, hair, fibers and other materials that are currently available

Offered: As Needed

**ARTS 512 - Eastern & Western Tech in Trimming (1.0)**

*Prerequisites: ARTS 503 or ARTS 505. Lab fee.* The importance of the finishing of the thrown work by turning the foot and the trimming of excess clay to refine the form has often been overlooked. The details of trimming enhance or destroy the structural integrity of the form. It is critical for the potter to understand the qualities essential for the structure and aesthetics of the completed piece.

Offered: Fall Semester

**ARTS 517 - Dynamic and Asymmetrical Wheel (3.0)**

*Prerequisite: ARTS 505. Lab fee.* The course will provide the student with experience in alternatives to simple wheel throwing by combining wheel and handbuilding techniques. Procedures to alter forms include shaping, paddling, faceting, combining separately thrown forms, and integrating coiling and throwing. Work may be in stoneware or porcelain.

Offered: Summer Semester

**ARTS 520 - Photographing Ceramics (1.0)**

*Lab fee.* The study of aesthetic considerations in photographing ceramic art. Composition of the object as it relates to the camera frame. Students will evolve a personal portfolio and slide library of individual works and images.

Offered: Spring Semester

**ARTS 522 - Glaze Calculation, Theory & Practice (3.0)**

This course will explore the composition, properties and application of materials used in ceramics to aid in the development of glaze compositions for pottery and sculpture.

Offered: Fall Semester

**ARTS 524 - Clay Calculation, Theory and Practice (3.0)**

This course will explore the composition, properties and application of materials used in ceramics to aid in the development of clay bodies for pottery and sculpture.

Offered: Fall Semester

**ARTS 525 - Electric Kilns (1.0)**

*Lab fee.* An in-depth study of all aspects of modern electric kilns used for ceramics, including design, construction and materials, related supplies

and equipment, loading procedures, operation, unloading, routine maintenance, diagnosis of common problems and repair, safety and selection criteria for choosing the appropriate kiln for different applications.

Offered: Spring Semester

#### **ARTS 528 - Contemporary Raku Techniques (1.0)**

*Prerequisite: Enrollment restricted to students admitted to the graduate ceramic arts programs. Lab fee.*

Knowledge of the raku process is essential for MA and MFA students. Raku firing provides a basic understanding of the oxidation/reduction cycles for the firing of all fuel fired kilns.

Offered: As Needed

#### **ARTS 530 - Kiln Technology & Firing Theory (2.0)**

*Lab fee.* A study in kiln stacking and firing procedures with concentration on reduction atmosphere firings; notes on types of kilns and basic kiln construction, oxidation firing, kiln maintenance and repair, kiln furniture, heat measuring devices and safety equipment.

Offered: Fall Semester

#### **ARTS 531 - Wood Firing Theory (2.0)**

*Lab fee.* A study in wood firing with information on stoking patterns, heat rise and firing theory, wadding composition and placement, loading and stacking procedures, types of woods, stoking patterns; the effects of oxidation/reduction cycles and more will be covered. Full participation in all aspects of preparation and firing is required.

Offered: Summer Semester

#### **ARTS 532 - Firing Large Scale Wood Kiln (2.0)**

*Lab fee.* An in depth study in the history, theory, techniques and aesthetics of the long wood firing in a large single chamber or multi-chambered kiln, including in depth information covering all aspects of firing these large historic kilns and practical experience at each stage of the process.

Offered: Summer Semester

#### **ARTS 533 - Soda Firing Theory and Practice (2.0)**

*Prerequisite: ARTS 530. Lab fee.* A study in soda firing, presenting information on clay, slip and glaze for the soda firing, loading and stacking procedures, wadding composition and placement, heat rise, the effects of oxidation/reduction firing cycles, and firing theory will be covered. Information on the history of soda firing, types of soda kilns and basic kiln construction, kiln maintenance, kiln furniture, heat measuring devices, and safety issues will also be covered.

Offered: Summer Semester

#### **ARTS 540 - Clay/Glaze Chemistry Theory & Practice (3.0)**

*Lab fee.* Directed research and laboratory testing with selected topics in clay and glaze composition, clay/glaze relationship, color, texture, and new materials. A continuing study of clay bodies, testing and correction of body formulas, plus development of base glazes.

Offered: Spring Semester

#### **ARTS 542 - Modeling the Figure (3.0)**

*Lab fee.* The study of structure, proportion and movement as seen in the human figure is key to the understanding and appreciation of balance, design and the interaction of objects within nature. An in-depth study of

the figure in clay, including anatomy and articulation using the life and costumed model, and considerations for finishing and firing figurative work.

Offered: As Needed

#### **ARTS 543 - History of Ceramic Arts (3.0)**

A survey of the history of ceramic arts from its beginning through the present time in the context of the history of the people who made and used the wares. The ways that these examples were made and their place in the history of ceramic technology will also be examined.

Offered: Spring Semester (Odd Years)

#### **ARTS 545 - Large Scale and Composite Sculpture (3.0)**

*Prerequisite: ARTS 508. Lab fee.* Directed study in design, construction and finishing of composite and architectural ceramics with emphasis on specific engineering requirements for construction, drying and firing. Topics will include construction methods for slab, coil, composite, mural and architectural projects.

Offered: Fall Semester (Odd Years)

#### **ARTS 547 - Creating with Porcelain (3.0)**

*Lab fee.* An in-depth study of the characteristics and techniques for working with porcelain, including exploration of classical porcelain, low open forms, plates and platters, horizontal throwing, and advanced glazing procedures.

Offered: Fall Semester (Even Years)

#### **ARTS 564 - Aesthetics and Criticism (3.0)**

The freedom of personal aesthetic expression is the goal toward which most artists strive. Criticism, the spoken or written talk about art, conveys a power to build or destroy. The course will explore the language of aesthetics and criticism to bring the student toward the creation and interpretation of beauty and meaning in their artistic statement.

Offered: Spring Semester (Even Years)

#### **ARTS 569 - Survival Skills for Visual Artists (1.0)**

*Prerequisite: Completion of twelve credits in the graduate certificate program or MFA. Lab fee.* The development of a body of work in preparation for the artist's capstone exhibition and the business of survival as an artist will prepare students for the creation of a body of work for exhibition in ARTS 570 Seminar in Personal Studio Research.

Offered: Fall Semester

#### **ARTS 570 - Seminar in Personal Studio Research (3.0)**

*Prerequisite: Successful completion of ARTS 569. Lab fee.* Through individual research the student will develop a personal artistic statement, set goals, create a cohesive body of work and present a professional exhibition of their work. Topics include presentation of artwork, group critique, individual problem solving, aesthetic discussions, professional development, studio organization, gallery installation, marketing, and legal and ethical issues.

Offered: Spring Semester

#### **ARTS 574 - Advanced Studies in Ceramic Arts (3.0)**

*Prerequisites: ARTS 540, ARTS 530, and/or permission of the program director. Lab fee.* A course that provides the opportunity to learn how to perform research and put the knowledge into practice. The research, consisting of both literature search and instructed experimentation, will be completed by the student with the instructor's direction. The student will

gain an understanding of critical thinking and the nature of research before progressing to more advanced thesis levels of study or employment.

Offered: Spring Semester

#### **ARTS 575 - Independent Study (1.0 - 3.0)**

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

Prerequisite: permission of the chair of the department. A maximum of 6 credits may be applied to a degree program. (1-3 credits per independent study)

Offered: Either Semester

#### **ARTS 576 - MFA Thesis Preparation (3.0)**

Thesis preparation will facilitate organization of time, approach and topic of the Masters of Fine Art Thesis at Hood College. The procedures in planning, writing the abstract and conceptual format of the thesis, selection of the active thesis committee, and presentation of the thesis are included. The Hood College MFA Guidelines contain detailed information for the preparation of the thesis proposal.

Offered: Either Semester

#### **ARTS 580A - MFA Thesis Research A (3.0)**

Prerequisite: ARTS 576. Lab fee. Directed in-depth study and research for the development of aesthetic and technical skills necessary for the production of original ceramic artwork to satisfy a thesis concept in the candidate's chosen area. The MFA candidate must consult the Hood College MFA Thesis Guidelines for detailed information and expectations and satisfy all requirements found in the guidelines.

Offered: Either Semester

#### **ARTS 580B - MFA Thesis Research B (3.0)**

Prerequisite: ARTS 580A

Completion of master's thesis research

Offered: Either Semester

#### **ARTS 590 - Teaching Assistant in Ceramic Arts (1.0 - 4.0)**

Prerequisites: At least 18 credits in Ceramic Arts and by invitation of the Director of the Ceramic Arts Program. A teaching practicum for advanced Ceramic Arts graduate students who wish to sharpen their teaching skills. Duties would include assisting the instructor in class-related projects such as organizing discussions, constructing exams, developing projects, grading rubrics, and arranging for non-print media instruction. The course may be repeated for up to 6 credits.

Offered: Either Semester

#### **ARTS 595 - MFA Thesis Exhibition (4.0)**

Prerequisite: Previous or concurrent enrollment in ARTS 580. Lab fee. Thesis Exhibition is the application of the results of the thesis research culminating in the creation of artwork presented in a public exhibition. All planning, preparation and installation of the thesis exhibition will be the responsibility of the MFA candidate.

Offered: Either Semester

#### **ARTS 599 - Special Topics in Ceramic Arts (1.0 - 3.0)**

Lab fee. Selected topics courses, 1-3 credits, offer an opportunity for students to study specific ceramic art topics not included in the regular course offerings. Usually taught by guest artists, the selected topics

courses provide a variety of directions and voices beyond the basic curriculum.

Offered: Spring and/or Summer Semester

## **BIFX - BIOINFORMATICS**

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#### **BIFX 501 - Foundation in Life Sciences (for non-Life Scientists) (3.0)**

Prerequisite: Admission to the MS in Bioinformatics. Lab fee. A foundation course in cell biology and genome science for the non-life scientist.

Cross-Listed as: Also offered as BMS 501

Offered: Both Semesters

#### **BIFX 502 - Foundations in Computer Sciences (for non-Computer Scientists) (3.0)**

Prerequisite: Admission to the MS in Bioinformatics. Lab fee. This course provides students with an introduction to programming concepts and techniques used in problem solving. Students will study general programming concepts for the purpose of data analysis. These concepts are demonstrated through the use of a modern programming language. Students will design, implement and test programs to solve analytical problems primarily in IT, business, and science. Students will develop the ability to logically plan and develop programs, and learn to write, test, and debug programs. Topics include file I/O, expressions, types, variables, branching, loops, data access, data profiling, and data manipulation. Students will apply their knowledge through hands-on programming projects.

Offered: Fall Semester

#### **BIFX 503 - Statistics for Bioinformatics (3.0)**

Prerequisite: Admission to the Certificate or MS in Bioinformatics. Lab fee. This course will focus on the statistical concepts that are used in biology and medicine to analyze and validate data. Topics will include probability, hypothesis testing, tests for variables (e.g. chi-square, Fisher's test), t-test, linear and multivariate regression, covariance and Bayesian statistic.

Offered: Fall Semester

#### **BIFX 504 - Advanced Molecular Bio for Bioinformatics (3.0)**

Prerequisite: BIFX 501 or waiver of BIFX 501 or permission of instructor. The accelerated use of next generation sequencing means that the analysis of sequencing data is one of primary job duties of most bioinformaticians. The DNA/RNA sequencing boom is now being followed by a renewed focus on metagenomics as well as high-throughput protein sequencing as analytical techniques. In this course, students will gain detailed knowledge of the biology that underlies these and other techniques. By understanding the full range of transcripts made by cells, the mechanisms that regulate transcription, and the details of RNA transcript processing and translation, students will learn how the underlying biology affects the sensitivity and correct interpretation of key types of bioinformatics assays, including microarrays, genome-wide association studies, and sequencing of DNA, RNA, proteins, and the microbiome. The fundamentals of good experimental design will be emphasized throughout the course.

Offered: Offered Fall Semester

**BIFX 530 - Applied Database Systems (3.0)**

*Prerequisite:* A minimum grade of "B-" in BIFX 502 and BIFX 551 or permission of the instructor. Not open to students who have completed CS 530.

Overview of data management concepts. The course will explore the enterprise perspective of managing data needs of an organization. Topics include data integrity, database models, and integration of databases, security, and database administration issues. The student will be introduced to query processing within a database environment.

Offered: Fall Semester

**BIFX 545 - Leading Reproducible Research (3.0)**

Based on the tenants of the "reproducible research" movement, this course teaches the fundamentals of experimental design, research ethics and communication to foster the ability to coordinate multifaceted research collaborations between scientists with backgrounds in biology, computer science and biostatistics. Using examples from classical literature and the concepts extolled by philosophers from around the world, we will explore alternative modes of leadership based on effective communication between individuals from different backgrounds. While this course is essential for those in the field of bioinformatics, anyone who is interested leading high-quality research will benefit from this course.

Offered: Spring Semester

**BIFX 546 - Knowledge Reasoning and Machine Learning (3.0)**

*Prerequisites:* BIFX 501 or 502 and BIFX 503. *Lab fee.* This course will provide an introduction to knowledge reasoning and the field of machine learning, allowing the students to capture and represent in a computer real world data (such as biological data) that can be used to solve complex problems. The foundations of machine learning will provide the students with more advanced methods to analyze data. Topics that will be covered include logic, ontology engineering and semantic, reasoning systems, pattern recognition, supervised and unsupervised learning, data mining.

Offered: Spring Semester

**BIFX 547 - Web-based Bioinformatics and Applications in Life Sciences (3.0)**

*Prerequisites:* BIFX 501 or BIFX 502. *Lab fee.* The goal of this course is to provide the students with a more in-depth overview of web-based bioinformatics tools and other freely available tools. As a bioinformatician works to solve specific problems, sometimes it is easier to use the existing, available tools rather than building a new one, thus providing a time-saving approach to the specific task. The course will emphasize a hands-on approach using available tools and public domain data.

Offered: Spring Semester

**BIFX 548 - Data Visualization for Bioinformatics (3.0)**

*Prerequisite:* BIFX 551. *Lab fee.* Data visualization is a sub-area of Human-Computer Interaction (HCI). Students will learn the theories and tools of data visualization. The course content is about 40% theory and 60% practice. This course covers the basic theories of data visualization, such as data types, chart types, visual variables, visualization techniques, structure of data visualization, navigation in data visualization, color theory, cognitive theory, and visualization evaluation.

Offered: Fall Semester

**BIFX 550 - Nucleic Acid Sequence Analysis and Protein Modeling (3.0)**

*Prerequisite:* Admission to the Bioinformatics Certificate or the Biomedical Science program and BIFX 501. *Lab fee.* This course will begin and extend beyond the basics and prepare students to use sequence and structural information to solve biological problems. This course serves as an intermediate level class for graduate students who plan to work in the areas of computational biology or bioinformatics using available applications. This course will lay foundations for data storage, visualization, manipulation, comparison, and analysis of 1D-protein/DNA sequences and their corresponding experimental/model 3D-structures using existing bioinformatics tools. A basic introduction to scripting will also be included.

Offered: Both semesters

**BIFX 551 - Programming for Bioinformatics (3.0)**

*Prerequisite:* Admission to the Bioinformatics Certificate or the Biomedical Science program and BIFX 501 or BIFX 502. *Lab fee.* This class will provide students with an introduction to the Perl, Python and R programming languages. The concepts will be put in context with examples and uses relevant to Bioinformatics. Examples covered will range from data file retrieval and manipulation, to sequence analysis, microarray analysis, data presentation and visualization.

Offered: Spring Semester

**BIFX 552 - Bioinformatics Applications I (3.0)**

*Prerequisite:* Admission to the Bioinformatics Certificate or the Biomedical Science program and BIFX 551. *Lab fee.* This class provides an introduction to manipulating primary data and the application of the statistical methods to evaluate this complex data. Common bioinformatics tasks should be automated to not only improve efficiency but also to avoid manual errors. There are many ways to automate these common tasks, the popular ones are shell scripting and programming using higher level languages. Shell scripting provides access to a powerful command interpreter that is often used to prepare and organize data. Of several similar languages, Perl is commonly used in bioinformatics because of the number of readily available modules for recurring tasks and relative ease to learn to code. A statistical and visualization programming environment, R, will also be introduced using specific bioinformatics examples.

Offered: Fall Semester

**BIFX 553 - Bioinformatics Applications II (3.0)**

*Prerequisite:* Admission to the Bioinformatics Certificate or the Biomedical Science program and BIFX 552. *Lab fee.* This class builds on the statistics and programming skills introduced in BIFX 552. Additional statistical concepts will be introduced as applied to the analysis of transcripts, biomarker discovery (proteomics) and microarray analysis. Students will execute these concepts using their previous experiences with Perl and/or R as well as incorporating new and more complex programming tasks.

Offered: Spring Semester

**BIFX 572 - Computational Genomics and Proteomics (3.0)**

*Prerequisites:* BIFX 553. *Lab fee.* This course offers students the opportunity to synthesize all the concepts and skills acquired in the previous BIFX bioinformatics courses. Students will apply basic database concepts to generate an internal database from public primary data and

develop and execute a project to address a biological question using appropriate statistics and programming skills.

Offered: Fall Semester

### **BIFX 579 - Capstone Project (3.0)**

*Prerequisite: Completion of or concurrent enrollment in BIFX 545 and 550 and permission of the instructor. Lab fee.* The Capstone Project will provide the student with the opportunity to apply bioinformatics skills and techniques to actual genomic and proteomic data in a real life sciences research environment. An internship with a leading research groups that make use of bioinformatics tools is strongly suggested, and the students will also further develop the ability to work in a matrix team. As an alternative, students will work with Hood Faculty on a specific project.

Offered: Both Semesters

### **BIFX 580A - Bioinformatics Master's Thesis I (3.0)**

*Prerequisites: Completion of 18 BIFX credits including BIFX 503, BIFX 550, and BIFX 551*

Part I of the preparation of the master's thesis includes development of the research proposal, design of the study, data acquisition, and data processing.

Offered: As Needed

### **BIFX 580B - Bioinformatics Master's Thesis II (3.0)**

*Prerequisites: Completion of 18 BIFX credits including BIFX 503, BIFX 550, BIFX 551, and completion or concurrent enrollment in BIFX 580A.*

Part II of the preparation of the master's thesis includes data analysis and interpretation and writing and defense of the thesis.

Offered: As Needed

## **BMS - BIOMEDICAL SCIENCE**

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### **BMS 501 - Foundations in Life Sciences (3.0)**

Explore the dynamics of gene expression at the level of DNA, RNA and protein. Develop ability to link techniques in molecular biology with appropriate applications in explaining the scientific approach to gene analysis.

Cross-Listed as: Also offered as BIFX 501

Offered: Both Semesters

### **BMS 511 - Protein Biochemistry (3.0)**

*Prerequisites: Two semesters of organic chemistry.* A study of the structure and function of biological macromolecules, particularly proteins. Topics include acid-base equilibria, protein folding, enzyme catalysis, allosterism and protein engineering.

Cross-Listed as: Double-numbered course; offered with undergraduate-level BIOL 411

Offered: Fall Semester

### **BMS 512 - Biochemistry of Intermediary Metabolism (3.0)**

*Prerequisite: Two semesters of organic chemistry.* A study of the generation and storage of metabolic energy and of the structure, biosynthesis and function of nucleic acids.

Cross-Listed as: Double-numbered course; offered with undergraduate-level BIOL 412

Offered: As Needed

### **BMS 520 - Protein Purification and Characterization (3.0)**

*Prerequisite: BMS 511/411. Lab fee.* A lecture/lab course addressing the principles and practical aspects of protein purification and characterization. In addition, the course will cover practical aspects of enzymology, including kinetic analysis of enzyme-catalyzed reactions.

Offered: Summer Semester

### **BMS 523 - Cell Structure & Function (3.0)**

*Prerequisites: Organic Chemistry and Cell Biology.* A study of the structure of cellular organelles and the biochemistry of cellular events, including signal transduction, transport, protein synthesis, respiration, secretion and tissue organizations. Emphasis is given to experimental designs used in analyzing cellular structures and/or functions.

Offered: Fall Semester

### **BMS 524 - Molecular Biology of Eukaryotic Cells (3.0)**

*Prerequisite: Genetics course.* The molecular biology of gene expression in eukaryotic cells. Topics include gene mapping, diagnostic screening for genetic anomalies, molecular cloning and genetic regulatory mechanisms. Emphasis on current experimental techniques used to map genes and understand gene expression.

Cross-Listed as: Double-numbered course; offered with undergraduate-level BIOL 424

Offered: Spring Semester (Even Years)

### **BMS 525 - Virology (3.0)**

*Prerequisites: BMS 523 and BMS 512.* An introduction to animal viruses with emphasis on classification, structure, the molecular biology of replication and biological activity within eukaryotic cells.

Cross-Listed as: Double-numbered course; offered with undergraduate-level BIOL 425

Offered: Fall Semester

### **BMS 527 - Pathogenic Microbiology (3.0)**

*Lab fee.* The biology of microorganisms including morphological, biochemical, genetic, pathogenic and antigenic attributes, with special emphasis on experimental and theoretical aspects of the mechanisms of pathogenicity and virulence.

Offered: As Needed

### **BMS 528 - Immunology (3.0)**

*Prerequisite: BMS 523.* Theories and mechanism of the immune response, including structure and function of immunoglobulins, antigen-antibody reactions, immunobiology, immunogenetics, immuno-logic enhancement, immunologic protection, immunologic injury, humoral and cell mediated immunity and experimental methods of analysis of antigen-antibody reactions.

Cross-Listed as: Double-numbered course; offered with undergraduate-level BIOL 428

Offered: Fall Semester

### **BMS 529 - Oncology Drug Discovery (3.0)**

*Prerequisites: BMS 511, BMS 523, BMS 524, BMS 537 or Permission of Instructor*

This course will teach you the basics of modern drug discovery efforts to



target human cancers. Students will survey the tools and techniques used for cutting-edge targeted cancer therapies and explore some of the major successes and failures of oncology drug discovery. Students will have an understanding of the process of drug discovery from target identification, through assay development, compound screening, and entry into the clinic, as well as a better idea of the complexity of the process and the many failure modes experienced.

Offered: Fall Semester (Even Years)

#### **BMS 533 - Medical Virology (3.0)**

*Prerequisite:* BMS 525. The role of viruses in human infectious diseases and tumor formation; the host response to viral infection and the epidemiology of viral diseases.

Offered: Fall Semester (Even Years)

#### **BMS 534 - Basic Principles & Methods in Molecular Genetics (3.0)**

*Prerequisites:* BMS 524 or permission of the instructor. *Lab fee.* This integrated lab-lecture course provides basic concepts and hands-on experience with common molecular genetics and recombinant DNA methods. Topics include techniques for the isolation of DNA and RNA, gene cloning employing plasmid vectors, DNA sequencing, polymerase chain reaction (PCR) technology, expression of fusion proteins in *E. coli*, and web-based analysis of sequence data.

Cross-Listed as: Double-numbered course; offered with undergraduate-level BIOL 434

Offered: As Needed

#### **BMS 535 - Advanced Topics in Recombinant DNA Technology: Gene Transfer, Expression, and Detection (3.0)**

*Prerequisite:* BMS 534 or permission of the instructor. *Lab fee.* A study of the theory and techniques for the introduction, expression and detection of macromolecules in eukaryotic cells. The topics to be covered include the introduction of recombinant genes in eukaryotic hosts. Methodologies to produce transgenic animals will be discussed. Analysis of eukaryotic gene expression, detection of activity by western analysis and cell-based assays

Offered: Summer Semester (As Needed)

#### **BMS 537 - Introduction to Bioinformatics (3.0)**

*Prerequisites:* BMS 511 and BMS 524 or permission of the instructor. *Lab fee.* This is a hands-on, applied course that will introduce students to the use of computer software and Web servers in the analysis of biological sequence data (DNA and protein). Topics include: Pairwise and multiple sequence alignment, BLAST, scoring matrices, phylogenetic analysis, DNA sequence analysis and prediction of 2-D and 3-D molecular structures.

Cross-Listed as: Double-numbered course; offered with undergraduate-level BIOL 437

Offered: Spring Semester

#### **BMS 539 - Molecular Immunology (3.0)**

*Prerequisite:* BMS 528. *Lab fee.* This combined lecture and laboratory course discusses Ig gene assembly, rearrangements, regulation and expression; T-cell receptors; antigen processing; and advances in antibody engineering. The laboratory exercises cover techniques such as ELISA, immunoblot, hybridoma preparation and evaluation, immunoaffinity chromatography and phage display of antibody fragments.

Offered: As Needed

#### **BMS 540 - Advanced Topics in Recombinant DNA Technology: Genome Analysis & Mapping (3.0)**

*Prerequisite:* BMS 534 or permission of the instructor. *Lab fee.* A study of the techniques used in the cloning, analysis and mapping of genomic DNA. Topics include cloning with cosmid, P1 and YAC vectors, techniques used in linkage analysis and the direct detection of genomic polymorphisms, and strategies to prepare genetic and physical maps. The impact of the combined use of genetic and physical maps in biomedicine will be discussed.

Offered: Fall Semester (Odd Years)

#### **BMS 541 - Advanced Topics in Recombinant DNA Technology: Gene Structure & Function (3.0)**

*Prerequisite:* BMS 534 or permission of the instructor. *Lab fee.* A study of advanced topics in recombinant DNA technology including high resolution mapping of RNA, nucleic acid-protein interactions, current methodologies for DNA sequence analysis and mutagenesis strategies. The impact of these recombinant DNA techniques on developments in biomedicine will be discussed.

Offered: Spring Semester (Even Years)

#### **BMS 542 - Ethics in Science (3.0)**

The course considers the ethical dilemmas one could face in a career in science, including how information gained in the research lab is conveyed to the wider scientific audience. Topics included are the peer review process, the patent process, the Recombinant DNA Advisory Committee, the FDA's role in drug approval, the funding of research and the national research prioritization process.

Offered: Summer Semester (As Needed)

#### **BMS 543 - Advanced Immunology (3.0)**

*Prerequisite:* BMS 528 or permission of the instructor. A seminar course offering an in-depth investigation of a prescribed area of immunology. Past topics have dealt with AIDS/HIV, cancer and intracellular signaling, all emphasizing the role of the immune response. Emphasis is placed on the use of current literature to develop a thorough understanding of recent advances.

Offered: Spring Semester (Even Years)

#### **BMS 544 - Good Laboratory Practices: A Practical Approach (3.0)**

*Prerequisite:* Open to students with a declared concentration in *Regulatory Compliance*, or permission of the instructor. The course is designed to provide a practical knowledge and understanding of Good Laboratory Practice (GLP) regulations with examples useful to laboratory workers, study directors and management. The course will address the current interpretation of the code of federal regulations (21CFR58) and the International Committee on Harmonization (ICH).

Offered: As Needed

#### **BMS 545 - Product Development (3.0)**

*Prerequisites:* Open to students with a declared concentration in *Regulatory Compliance*, or permission of the instructor. The course provides an overview of the regulatory process for new biologics, drug and device development. Emphasis is on a strategic development approach and good science standards to ensure safe and effective new therapies for prevention and treatment of disease.

Offered: Fall Semester (Odd Years)

**BMS 546 - Good Manufacturing Practices (3.0)**

*Prerequisites:* Open to students with a declared concentration in Regulatory Compliance, or permission of the instructor. This course will provide an in-depth review of current good manufacturing practice regulations promulgated by the Food and Drug Administration (FDA) in their regulation of the drug and device industries. Recent FDA regulatory compliance experience regarding the application of the GMP regulations, including areas where industry has failed to correctly apply or interpret current GMPs will also be examined.

Offered: Spring Semester (Even Years)

**BMS 548 - Good Clinical Practice (3.0)**

*Prerequisites:* Open to students with a declared concentration in Regulatory Compliance, or permission of the instructor. This course provides a detailed explanation of the guidelines that should be followed when generating clinical data that are intended to be submitted to the Food and Drug Administration in support of a product license. The principles of clinical trial conduct and design can be applied to any investigation involving human subjects.

Offered: Spring Semester (Even Years)

**BMS 549 - Regulation of Medical Devices (3.0)**

*Prerequisites:* BMS 545 and BMS 547. This course offers an overview of the historical development as well as the current status of the laws, regulations and guidelines governing medical devices. Key aspects of gaining regulatory approval for all classes of medical devices using various submission processes including the 510(k) Premarket Notification, the Premarket Approval Application and the Product Development Protocol are examined.

Offered: Spring Semester (Even Years)

**BMS 552 - Biomedical Literature Review (3.0)**

*Prerequisites:* BMS 511, BMS 523, BMS 524 and BMS 537 or permission of instructor

This course is recommended for students planning to take BMS 571 and provides students more exposure and experience with reading primary literature. Discussions and presentations on the experimental approaches, techniques, analysis, and future directions will be critical to students' understanding of the literature. Completion of this course prior to the capstone is strongly encouraged.

Offered: Summer Semester

**BMS 571 - Biomedical Science Seminar (3.0)**

*Prerequisite:* BMS 511, BMS 523, BMS 524, BMS 537 and Completion of 21 credits of coursework in the BMS program with a 3.0 GPA average, or permission of the instructor. Students will choose a specific research problem to address in a grant proposal document. The scientific merit of the proposal will be presented to the faculty.

Offered: Both Semesters

**BMS 575 - Independent Study (1.0 - 3.0)**

*Prerequisite:* permission of the chair of the department. A maximum of 6 credits may be applied to a degree program. (1-3 credits per independent study) Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

Offered: Either Semester

**BMS 580A - Biomedical Science Thesis A (3.0)**

Supervision of the master's thesis. Required of all degree candidates who select the thesis option.

Offered: Either Semester

**BMS 580B - Biomedical Science Thesis B (3.0)**

*Prerequisite:* BMS 580A

Completion of the master's thesis. Required of all degree candidates who select the thesis option.

Offered: Either Semester

**BMS 590 - Advanced Topics in Biomedical Techniques (3.0)**

*Prerequisite:* Permission of the instructor. May require a lab fee. A practical course in newer topics, methods and/or instrumentation used in biomedical research. The course is intended not only for graduate students but also for investigators who are interested in learning about topics outside of their own field that can be useful in their research. This can be a lab/lecture or lecture only class, dependent on the topic to be presented.

Offered: As Needed

**BMS 597 - Internship (1.0-3.0)**

*Prerequisites:* Permission of Faculty. Practical training relevant to student's course of study at an approved worksite. Eligible students must have completed at least 18 credits have a 3.25 cumulative GPA or higher. Worksite and project must be approved by BMS Program Director and BMS faculty. A maximum of 3 credits may be applied to a degree program. This course is graded on a satisfactory/unsatisfactory basis.

Offered: Both Semesters

## MGMT - BUSINESS ADMINISTRATION

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**ITMG 516 - Introduction to Data Analytics and Business Data Mining (3.0)**

*Prerequisites:* IT 512 for IT and MGMT 566 for MIT and MBA. This course examines techniques for discovering patterns in data. Topics will cover various data mining algorithms and statistical techniques, such as correlation analysis, text mining, decision trees, clustering, and association rules. The course will use data mining and analytical software to build on traditional statistical concepts. Project management techniques unique to exploratory projects will be used throughout the course. In addition to teaching students to organize, manipulate, and convert data into meaningful information for managerial decision-making, the course prepares them to effectively communicate such information with different stakeholders. In addition, students are expected to have competency in statistics.

Offered: Both Semesters

**ITMG 524 - Advanced Data Analytics with R (3.0)**

*Prerequisites:* IT 518 or MGMT 566 or Permission of Instructor.

The Advanced Data Analytics with R course introduces advanced concepts and techniques to discovering patterns in data and business data, identifying variables with the most predictive power, and developing and assessing predictive models using R. The course combines statistics, theoretical knowledge of various data mining techniques, and applied data

analytics. Students implement these techniques in R and use their understanding of the theoretical knowledge to interpret and analyze results produced in R.

Offered: Spring Semester

### **ITMG 533 - Managing Technical Project Teams (3.0)**

*Prerequisite: ITMG 516.* This course investigates the process of managing a computer-related project. It includes scheduling techniques and automated tools such as scheduling packages. Focus will be on the team environment conducive to successful project completion.

Offered: Fall Semester

### **MGMT 551 - Management Theory (3.0)**

Introduction to the structures and processes of organizations, major organizational subsystems and environments with an emphasis on organizational design and the management of change processes. Includes the study of the organization as a bureaucratic, political, cultural, social and decision-making system.

Offered: Fall Semester and Summer Odd Years

### **MGMT 552 - Quantitative Methods for Managers (3.0)**

This course provides a brief review of algebra and also covers basic calculus, differentiation, vectors and matrices, linear programming, optimization techniques and budget allocation. Personal computer applications as they apply to the managerial decision-making process are stressed throughout the course.

Offered: Fall Semester and Summer Even Years

### **MGMT 553 - Foundations of Accounting (3.0)**

The objectives of this course are to introduce students to the: (1) economic events that impact the accounting process; (2) basic accounting cycle; (3) preparation of the four primary financial statements; (4) managerial accounting topics and use of accounting in managerial decision making.

Offered: Spring Semester and Summer Odd Years

### **MGMT 554 - Legal Environment of Business (3.0)**

This course provides an overview of the contemporary legal and regulatory business environment. Specifically, it relates various laws and regulations to major business functions such as employment, production, marketing, finance and international operations. The course also provides a brief overview of U.S. political and constitutional systems that are the building blocks of our regulatory environment.

Offered: Spring Semester

### **ECMG 556 - Statistics for Management (3.0)**

*Prerequisite: MGMT 552 or equivalent.* This course will provide students with the ability to collect and analyze large quantities of data for the purpose of making informed decisions. It is a survey of major statistical tools and techniques used in business research including descriptive statistics, probability, sampling distributions, regression analysis, time series, and forecasting.

Offered: Summer

### **MGMT 560 - Leadership & Organizational Behavior (3.0)**

*Prerequisite: MGMT 551 or its equivalent.* Study of the behavior of individuals, small groups and their leaders in organizations. Among the topics addressed are motivation, learning, perception, job satisfaction, communication and individual and group change.

Offered: Spring and Summer Semesters (Odd Years)

### **MGMT 561 - Financial Management (3.0)**

*Prerequisites: MGMT 552 and MGMT 553 or their equivalents.* This course introduces the fundamental concepts of financial management, including valuation, investment, financing, risk management, and dividend decisions of a firm. Specific topics include capital budgeting, cost of capital, risk and return, capital structure and dividends, working capital management and international financial management.

Offered: Both Semesters

### **MGMT 562 - Financial & Managerial Accounting (3.0)**

*Prerequisite: MGMT 553, or its equivalent.* This course examines the use of accounting information for managerial decision-making. Students are introduced to traditional and emerging practices in accounting and the impact that various accounting methods have on organizations' financial statements. Students investigate accounting practices in real-world business cases.

Offered: Fall Semester and Summer Even Years

### **MGMT 563 - Marketing Management (3.0)**

*Prerequisite: MGMT 553 strongly recommended.* This course provides students with an understanding of marketing and its relationship to various organizational functions. Students examine variables that marketing managers face today, with the primary objective of better managing marketing as a core function. Specific topics include forces in a firm's external environment, advertising, segmentation, positioning, consumer behavior, and product planning.

Offered: Spring Semester and Summer Odd Years

### **MGMT 564 - Production & Operations Management (3.0)**

*Prerequisites: MGMT 552 and MATH 500 or ECMG 556, or their equivalents.* This course covers the planning and control functions for manufacturing and service operations. Topics include total quality management, operations analysis, inventory control, linear programming, simulation and project planning.

Offered: Fall Semester and Summer Even Years

### **MGMT 565 - International Management (3.0)**

*Prerequisites: MGMT 551 or its equivalent.* This course examines multinational corporations as economic, political and social institutions. Topics covered include ownership and financial strategies of multinationals, international public institutions, political risk, foreign exchange risk, comparative management and future of multinationals.

Offered: Spring Semester and Summer Odd Years

### **MGMT 566 - Information Management & Technology (3.0)**

*Prerequisite: MGMT 551 or its equivalent.* This course examines the role of information systems in organizations. Students explore the various ways in which information technology provides a competitive advantage to organizations. Managerial concerns related to the selection, evaluation and implementation of information systems are also examined.

Offered: Fall Semester and Summer Even Years

### **MGMT 567 - Organizational Sustainability (3.0)**

*Prerequisites: MGMT 560 strongly recommended.* This course explores and analyzes contemporary business ethics issues relating to the interaction between the organization and society. It covers topics such as corporate social responsibility, environmental sustainability, moral

reasoning, and stakeholder analysis. Students are challenged to add social and environmental criteria to traditional economic criteria in decision-making situations.

Offered: Spring Semester and Summer Odd Years

**MGMT 568 - Accounting Information Systems (3.0)**

*Prerequisites: MGMT 562 and MGMT 566* The course involves a study of accounting information systems and their impact on managerial decision-making. It focuses on technology, databases, data-flows, reporting, and internal controls. Students develop the analytical skills needed to design, implement, and maintain an accounting information system.

Offered: Summer Even Years

**MGMT 569 - Project Management (3.0)**

*Prerequisites: ECON 560, MGMT 551, MGMT 560, MGMT 552 and MATH 500 or ECMG 556, or their equivalents or permission of instructor.* This course is an overview of the management of projects and project teams. Students explore different techniques for developing effective project plans, leading and directing project teams, and delivering and measuring results according to the constraints of schedule, budget, and resources. Use of modern project management software is emphasized.

Offered: Spring Semester

**MGMT 570 - Marketing Analysis for Managers (3.0)**

*Prerequisites: MGMT 552, MGMT 563 and MATH 500 or ECMG 556.* This course introduces advanced methods and decision tools that can be applied to the core marketing concepts and areas examined in MGMT563. Specific analytical methods are applied to given decision areas in order to enhance decision making. Students learn about currently available marketing research tools and apply them to solve marketing problems.

Offered: Fall Semester and Summer Even Years

**MGMT 571 - Advertising Management (3.0)**

*Prerequisite: MGMT 563.* This course is designed to give students an understanding of the advertising process and how to manage it. Students learn the components of a successful advertising campaign and develop an appreciation for issues involved in advertising planning and decision-making. They also learn how social media and recent social science developments and theories can facilitate advertising management.

Offered: Spring Semester and Summer Odd Years

**MGMT 572 - Supply Chain Management (3.0)**

*Prerequisite: MGMT 563 and MGMT 564.* This course examines approaches and techniques useful in the design and operation of logistics systems and integrated supply chains. It emphasizes where and how specific tools can be applied to improve overall performance and reduce the total cost of a supply chain. Topics include the planning, management, control, and operations of inventory and transportation.

Offered: Spring Semester (Odd Years)

**ITMG 575 - Independent Study (1.0 - 3.0)**

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

*Prerequisite: permission of the chair of the department.* A maximum of 6 credits may be applied to a degree program.

Offered: Either Semester

**MGMT 575 - Independent Study (1.0 - 3.0)**

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

*Prerequisite: permission of the chair of the department.* A maximum of 6 credits may be applied to a degree program. (1-3 credits per independent study)

Offered: Either Semester

**MGMT 576 - Advanced Financial Management (3.0)**

*Prerequisite: MGMT 561.* Considers advanced topics in corporate financial management including domestic and international capital budgeting, working capital, financing and dividend policy, hedging financial risk, mergers and acquisitions and international financial management.

Offered: Fall Semester and Summer Even Years

**MGMT 577 - Portfolio and Investment Management (3.0)**

*Prerequisite: MGMT 561.* Covers characteristics and valuation of corporate securities, measurement of returns, market performance and efficiency, options and futures, bond portfolio strategies, duration and immunization and portfolio management theory and techniques.

Offered: Spring Semester and Summer Odd Years

**ECMG 578 - International Financial Management (3.0)**

*Prerequisite: MGMT 561.* This course is designed to give a solid understanding of international finance and institutions. This is achieved through a thorough study of various exchange rate determination theories, international corporate finance and international portfolio diversification models. To this end, exposure to foreign exchange risk and appropriate hedging strategies will be covered, along with the options and derivatives market.

Cross-Listed as: Double-numbered course; offered with undergraduate-level ECMG 478

Offered: Spring Semester

**MGMT 580 - Strategic Cost Management (3.0)**

*Prerequisite: MGMT 562.* This course examines advanced topics in emerging areas of cost management practice. Extensive analysis of real-world manufacturing, service, governmental/non-profit organizations, and external/environmental cost helps students with issues and trends in current cost management practice.

Offered: Fall Semester

**MGMT 581 - Financial Statement Analysis (3.0)**

*Prerequisites: MGMT 562.* This course examines the accounting principles and procedures underlying a firm's financial statements. The objective of the course is to assess the success of a firm's strategies as measured by profitability, liquidity, solvency and asset management relative to the level of risk incurred by the firm.

Offered: Spring Semester

**MGMT 582 - Negotiation & Conflict Resolution (3.0)**

*Prerequisites: Completion of or concurrent enrollment in MGMT 560*

This course will explore the dynamics of negotiation and conflict. Students will learn effective negotiation techniques and how to manage agreement. This course also examines how to make conflict a creative rather than a negative experience. Negotiation and conflict resolution skills will be analyzed and practiced.

Offered: Fall Semester and Summer Even Years

**MGMT 585 - Human Resource Management (3.0)**

*Prerequisites:* Completion of or concurrent enrollment in MGMT 560  
This course is designed to provide an understanding of modern human resource management. Principle areas will include employee influence, human resource flow, work systems and rewards. Cases and group exercises are included to examine job analysis, selection standards, performance evaluation, training and development and job evaluation.

Offered: Spring Semester and Summer Odd Years

**MGMT 587 - Public Administration (3.0)**

*Prerequisites:* Completion of or concurrent enrollment in MGMT 560 A study of the principles of public administration in the United States with special attention to organization and management. Topics include fiscal, personnel, planning and public relations practices.

Offered: Fall Semester

**MGMT 590 - Strategy & Competitive Advantage (3.0)**

*Prerequisites:* All other core courses This capstone course integrates the concept of competitive advantage and the functional disciplines of businesses using cases, seminar-presentations and a comprehensive strategic management project. It emphasizes the importance of maintaining strategic fit in changing macro industry, and global environments. Students are challenged to solve comprehensive management problems at the strategic level of the organization.

Offered: Both Semesters

**MGMT 595 - Independent Applied Research Project (3.0)**

*Prerequisites:* Permission of the instructor and enrollment in the concentration. A basic or applied research project. A written report of the project results is required to be submitted to the instructor at the end of the project. Evidence of an approved topic with a signed "Permission to Enroll" form must be submitted to the Graduate School at the time of registration.

Offered: Either Semester

**ITMG 597 - Curricular Practical Training in MIS/IT (1.0 - 3.0)**

*Pre-Requisites:* Completion of 18 credits and permission of the instructor.  
This course is designed to provide computer science and information technology professionals with a working knowledge and practical application of the topics covered in IT and MIS courses. The students will apply current research and accepted practices of MIS/IT field in a variety of professional settings and will perform work supervised by both a professional advisor and a Hood advisor. Based on the description for the external position, students will craft an appropriate research/professional plan, in consultation with his/her Hood advisor. This course will help students synthesize previous concepts and training as they transition to the role of a professional. This 3-credit course counts as an elective toward degree completion.

Offered: Either Semester

**MGMT 597 - Internship for Business Administration (1.0 - 6.0)**

*Prerequisite:* Permission of instructor. A learning experience with an appropriate organization to provide familiarity with the management concepts, skills and attitudes required for success in a specific career. The student is responsible for developing appropriate work projects, and each must meet department guidelines and be approved. At least 40 hours of work will be completed for each credit.

Offered: Either Semester

**MGMT 675 - Independent Study (4.0)**

*Pre-requisites:* Permission of Instructor and Doctoral Program Director  
Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms. A maximum of 8 credits may be applied to the degree program.

Offered: Summer Semester

**MGMT 699 - Special Topics in Org. Leadership (4.0)**

The study of selected topics and issues that are of interest to doctoral students in Organizational Leadership. Issues and topics will be examined from the perspective of specialists within the discipline. Students will participate in readings, discussions and complete projects with a research component.

Offered: (As Needed)

## CHEM - CHEMISTRY

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**CHEM 501 - Environmental Chemistry (3.0)**

Chemical aspects of atmospheric and hydrologic systems with a focus on air and water quality, sources of pollution, basic chemical analysis, corrective processes, and hazardous materials management. Discussions may include resource management and environmental policy.

Cross-Listed as: Double-numbered course; offered with undergraduate-level CHEM 401

Offered: Fall Semester (Even Years)

**CHEM 505 - Inorganic Chemistry (3.0)**

A study of the principles of structure and bonding, chemical reactivity, and periodic relationships of inorganic compounds.

Cross-Listed as: Double-numbered course; offered with undergraduate-level CHEM 405

Offered: Spring Semester (Odd Years)

**CHEM 510 - Advanced Organic Chemistry (3.0)**

Advanced topics in organic synthesis and structure determination. Topics vary with the general interest of the students and professor.

Cross-Listed as: Double-numbered course; offered with undergraduate-level CHEM 410

Offered: Spring Semester (Odd Years)

**CHEM 575 - Independent Study (1.0 - 3.0)**

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

*Prerequisite:* permission of the chair of the department. A maximum of 6 credits may be applied to a degree program. (1-3 credits per independent study)

Offered: Either Semester

## COUN - COUNSELING

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### **COUN 500 - Human Development as a Lifelong Process (3.0)**

Issues, theories, stages, tasks, and biological and environmental determinants are considered as they apply to physical, language, cognitive, learning, social, moral, and personality development.

Cross-Listed as: Also offered as PSY 500

Offered: Fall Semester and/or Summer

### **COUN 501 - Professional, Legal and Ethical Responsibilities (3.0)**

Students will examine the history and philosophy of the counseling profession, professional roles and responsibilities, self-care strategies, supervision models, professional organizations and credentialing, crisis response, and advocacy. Students will demonstrate knowledge of and ability to apply the ACA ethical code.

Offered: Both Semesters

### **COUN 502 - Social and Cultural Foundations of Counseling (3.0)**

This course will foster an understanding of the cultural context of relationships, issues, and trends in a multicultural society, including attitudes, theories of multicultural counseling, strategies for working with diverse populations, the development of cultural self-awareness, and counselors' roles in eliminating biases.

Offered: Summer Semester

### **COUN 503 - Lifestyle and Career Development (3.0)**

This course provides an understanding of career development and related life factors, including theories, labor market information resources, information systems, program planning/administration, work/family roles, multicultural issues, assessment instruments, and counseling techniques/resources applicable in our global economy.

Offered: Summer Semester

### **COUN 504 - Counseling Techniques (3.0)**

Instruction shall include the parameters and limitations of the treatment relationship; the establishment of the client-counselor treatment contract; listening and interviewing skills; the stages of clinical treatment; referral and termination.

Offered: Both Semesters

### **COUN 505 - Group Dynamics, Processing and Counseling (3.0)**

This course introduces students to both theoretical and experiential understandings of group purpose, development, dynamics, theories, methods, skills, and other group approaches in a multicultural society. Students will participate as group members in a small group activity for a minimum of 10 clock hours.

**This course is only open to students enrolled in the Counseling program. Non-degree seeking students may not enroll.**

Offered: Spring Semester and/or Summer

### **COUN 506 - Research and Program Evaluation (3.0)**

This course provides an understanding of research methods, statistical analysis, needs assessment, and program evaluation, including the importance of research in advancing the counseling profession, the use of research to inform evidence-based practice, and ethical/culturally relevant strategies for interpreting and reporting results.

Offered: Fall Semester

### **COUN 507 - Trauma & Crisis Interventions (3.0)**

Prerequisites: COUN 504 and COUN 511 This course provides the counseling student with an introduction to research, theory, and practice within the field of trauma counseling. The course will cover the historical evolution of the field; biopsychosocial underpinnings of trauma and trauma spectrum disorders; issues in diagnosis, assessment, and intervention from a culturally diverse framework; and a synthesis of best practices as they are currently evolving. Using a developmental and systemic approach, the course will provide a counseling perspective on the knowledge base from the multiple disciplines that contribute to the field of traumatology.

Offered: Summer Semester

### **COUN 511 - Theories and Principles of Counseling (3.0)**

Introduction to the literature and leading theoretical approaches to counseling with emphasis on philosophical assumptions and theories of personality that underlie counseling goals and intervention techniques applicable to various client needs.

Cross-Listed as: Also offered as PSY 511

Offered: Both Semesters

### **COUN 520 - Introduction to Thanatology (3.0)**

An introduction to the literature and current research in the death field. Emphasis is placed on the dying process, grief, euthanasia, suicide, and cultural views of death. A lifespan development approach is used to examine death attitudes from childhood through older adulthood.

Cross-Listed as: Also offered as THAN 520.

Offered: Fall Semester

### **COUN 521 - Grief, Mourning and Bereavement (3.0)**

An in-depth study of mourning and the grief process. Explores all aspects of theories of grief in natural and accidental death as well as special losses, suicide, prenatal death, still birth, murder, etc. differentiating between normal and complicated grief.

Cross-Listed as: Also offered as THAN 521.

Offered: Fall Semester

### **COUN 523 - Principles of Thanatology (3.0)**

Overview of major themes and attitudes of death and grief included in theories, process models, death trajectories, and death systems. Explore roles of palliative care and hospice in the dying process to understand the experience of an "appropriate death".

Cross-Listed as: Also offered as THAN 523.

Offered: Fall Semester

### **COUN 528 - Developmental Perspectives in Thanatology (3.0)**

An examination of death, dying, and bereavement at different stages of life. A survey of the important moments in the life cycle when death confronts us as human beings, how we can learn to appreciate the significance and value of such varied approaches and understandings.

Cross-Listed as: Also offered as THAN 528.

Offered: Spring Semester

### **COUN 529 - Historical and Multicultural Perspectives in Thanatology (3.0)**

The study of three areas in the field of thanatology: 1) The role played by death in Western history. 2) Egypt as a death culture. 3) A study of how

death and bereavement are experienced across cultures, ethnic groups, and religions around the world.

Cross-Listed as: Also offered as THAN 529.

Offered: Spring Semester

**COUN 530 - Alcohol and Drug Counseling (3.0)**

*Prerequisite: COUN 511 and COUN 504* An introduction to the field of alcohol and drug counseling, this course provides instruction in the assessment of addictive disorders, the pharmacology of psychoactive drugs, theories of addictive disorders, and basic models of treatment.

Offered: Summer

**COUN 531 - Diagnosis & Psychopathology (3.0)**

*Prerequisite: COUN 511 and COUN 504*

The origins, symptoms and methods of treatment of the principal forms of abnormal behavior, with illustrative case material. Social as well as clinical aspects of individual psychological problems are considered.

Cross-Listed as: Also offered as PSY 531

Offered: Spring Semester

**COUN 532 - Advanced Counseling Techniques (3.0)**

*Prerequisite: COUN 501, COUN 511 and COUN 504*

An overview and application of one or more treatment models to various disorders. Examples include behavior therapy, cognitive therapy, and psychodynamic therapy.

Offered: Fall Semester

**COUN 533 - Marriage and Family Counseling (3.0)**

*Prerequisite: COUN 511 and COUN 504* This course will address the principles and techniques of effective therapy with couples and families. Content includes an overview of system theories, principles of working with couples and families, stages of family life cycle development, and intervention strategies.

Offered: Spring Semester

**COUN 534 - Tests and Measurements (3.0)**

A study of the testing movement, including fundamental psychometric principles. Emphasizes the use of tests in counseling practice. Observation and participation in individual and group testing.

Cross-Listed as: Also offered as PSY 534.

Offered: Spring Semester

**COUN 540 - Foundations of School Counseling (3.0)**

*Prerequisite: COUN 511 and COUN 504* This course provides a basic understanding of the school environment, the role and responsibilities of the school counselor, and components of an effective school counseling program. We will review the history, philosophy, principles and trends in school counseling, along with current legal and ethical issues in the field.

Offered: Fall Semester

**COUN 541 - Program Planning, Management and Evaluation of School Counseling Programs (3.0)**

*Prerequisite: COUN 511 and COUN 504* A model for planning, developing, implementing, and evaluating a comprehensive guidance and counseling program with emphasis on student development and competencies will be presented. Students will develop resources, classroom guidance curricula and group counseling materials.

Offered: Summer

**COUN 542 - Collaboration, Consultation and Supervision (3.0)**

*Prerequisite: COUN 511 and COUN 504* The first half of this course will examine the theory, principles, and procedures of the consultation process, emphasizing consulting in the educational setting. The second half of the course will introduce concepts, processes, and styles of supervision and offers students the opportunity to gain experience in providing supervision.

Offered: Fall Semester

**COUN 543 - Counseling Youth (3.0)**

*Prerequisite: COUN 511 and COUN 504* An overview of developmentally appropriate approaches to counseling children and adolescents. Addresses individual and group work, expressive and talk therapies, assessment of treatment progress, working with parents and teachers, and ethical and legal considerations. Multicultural counseling skills are also addressed.

Offered: Spring Semester

**COUN 554 - Social Gerontology (3.0)**

A study of the changes in the circumstances, status, roles and position that come with aging. The course focuses on social controversies and debates in the field of gerontology, rather than on memorizing facts. Special attention is given to controversies related to health care, caregiving, decision-making, social security, and retirement.

Cross-Listed as: Also offered as GERO 554.

Offered: As Needed

**COUN 555 - Psychological Aspects of Aging (3.0)**

Cognitive, personality and social changes involved in the aging process. Attention is given to the psychophysiological changes that occur with age affecting behavior and psychological and social adjustment. Consideration of the methodological and research design problems of studying age-related and ontogenetic changes.

Cross-Listed as: Also offered as GERO 555.

Offered: Fall Semester

**COUN 556 - Health and Aging (3.0)**

This course provides students with an overview of the biological aspects of the aging process and age-related human disorders. Students will examine how these physiological changes affect older adults' activities and functioning. The course will also explore what strategies exist to help maintain physical and mental fitness.

Cross-Listed as: Also offered as GERO 556.

Offered: Spring Semester

**COUN 560 - Affirmative Therapy w/ LGBTQIA+ Client (1.0)**

This course provides an introduction to affirmative therapy with lesbian, gay, bisexual, transgender, queer/questioning, intersex, asexual (LGBTQIA) individuals and other people of diverse genders and sexual orientations. Terminology, assessment, and treatment issues are explored through lecture, case studies, role play, group discussion, and small group presentations. Emphasis is placed on developing cultural humility and awareness of intersectionality. Heterosexism, genderism, and transphobia are addressed from an anti-oppressive, liberatory perspective.

Offered: Spring Semester

**COUN 575 - Independent Study (1.0 - 3.0)**

*Prerequisite: permission of the program director. A maximum of 6 credits may be applied to a degree program. Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.*

Offered: Either Semester

**COUN 590 - Teaching Assistantship (1.0)**

*Prerequisite: permission of the program director. A teaching practicum for advanced Counseling students with regularly scheduled hours assisting in selected undergraduate psychology courses. Hours will include regular consultations with course instructor regarding teaching experiences, methods and issues.*

Offered: Either Semester

**COUN 595 - Independent Research Project (3.0)**

*Prerequisite: permission of the program director. A basic or applied research project involving extended independent work and emphasizing principles of experimental research design. A written report must be submitted at the end of the project.*

Offered: Either Semester

**COUN 596 - Practicum in Clinical Mental Health Counseling or School Counseling (3.0)**

*Prerequisites: appropriate clearances, proof of malpractice insurance, student membership in ACA, and successful completion of program survey courses. (Any site supervision fees incurred are the responsibility of the student). Clinical Mental Health Counseling prerequisites: Completion of COUN 530, COUN 531, COUN 532 and COUN 533.*

*School Counseling prerequisites: Completion of COUN 540, COUN 541, COUN 542 and COUN 543. This is an initial field placement of 100 hours, at least 40 of which are direct service hours in schools, colleges, or agencies. Students are also encouraged to work with clients with diverse cultural backgrounds (different from their own) for 10 hours (direct or indirect) and with clients with disabilities for 10 hours (direct or indirect).*

Offered: Both Semesters and/or Summer

**COUN 597 - Internship I: Mental Health or School Counseling (3.0)**

*Prerequisites: appropriate clearances, proof of malpractice insurance, student membership in ACA, COUN 596 (Any site supervision fees incurred are the responsibility of the student).*

This course is a 300 clock hour experience, 240 of which are direct service hours with individuals and groups. Students are encouraged to work with clients from diverse cultural backgrounds (different from their own) for 10 hours (direct or indirect) and with clients with disabilities for 20 hours (direct or indirect).

Offered: Both Semesters

**COUN 598 - Internship II: Clinical Mental Health or School Counseling (3.0)**

*Prerequisites: COUN 597 and appropriate clearances, proof of malpractice insurance, & student membership in ACA. This course is a 300 hour experience, 120 of which are direct service hours with individuals and groups. Students are encouraged to work with clients from diverse cultural backgrounds (different from their own) for 10 hours (direct or indirect) and with clients with disabilities for 10 hours (direct or indirect).*

Offered: Both Semesters

**COUN 599 - Special Topics in Counseling (1.0)**

The study of selected issues and/or social problems that are of interest to counselors. Each issue will be examined from the perspectives of various specialists within the discipline. Students will participate through readings in primary sources, individual reports or presentations, discussion, and possible field work.

Offered: Fall Semester

## CS - COMPUTER SCIENCE

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**CS 508 - Computer Organization and Design (3.0)**

*Prerequisites: A minimum grade of B- in both MATH 505 and CSIT 512, or permission of the instructor. A comprehensive introduction to the general organization, architecture, and functional characteristics of computer systems. Topics include machine level representation of data, assembly level machine organization, memory system organization and architecture, alternative architectures and device interfaces.*

Offered: Fall Semester

**CSIT 512 - Elements of Computer Programming (3.0)**

No prerequisite. Introduction to programming concepts and techniques used in problem solving using a modern programming language. Students design, implement and test programs to solve problems in IT, business and science. Topics include I/O, expressions, types, variables, branching, loops, web programming, program planning and simple multimedia programming.

Offered: Both Semesters

**CS 519 - Advanced Data Structures (3.0)**

*Prerequisite: A minimum grade of "B-" in CSIT 512. Intensive introduction to object-oriented programming and advanced data structures. Topics include heaps, priority queues, hash tables, B+, B\* trees and graphs. Emphasizing advantages and disadvantages of design and implementation choices, and the way these choices affect software quality. Instruction will be in the C++ programming language.*

Offered: Fall Semester

**CS 520 - Algorithm Analysis (3.0)**

*Prerequisites: MATH 505, Calculus and CS 519. Introduction to the analysis and design of algorithms. Topics include: sorting, searching, advanced tree structures, graph algorithms, network flow problems, amortized analysis, divide-and-conquer, greedy algorithms, dynamic programming, combinatorial search algorithms, computational geometry and NP-completeness.*

Offered: Spring Semester

**CSIT 521 - Info Assurance & Risk Assessment (3.0)**

*Prerequisites: CSIT/CYBR 555 or Permission of Instructor*

Concepts of information assurance and security risk assessment. Protecting the confidentiality, integrity, and availability of data and their delivery systems. Topics include security assessment definitions and nomenclature, approaches for risk assessment, high assurance system design and techniques for quantitative and qualitative risk analysis.



Offered: Spring and/or Summer Semester

**CS 522 - Data Mining (3.0)**

Prerequisites: MATH 500 and CS 519. Introduces basic principles and methods for data analysis and knowledge discovery to computer science students. Topics include preprocessing, association, classification and anomaly detection. Students develop basic skills for modeling and performance evaluation.

Offered: Summer Semester

**CS 524 - Principles of Software Engineering (3.0)**

Prerequisite: A minimum of "B-" in CSIT 512, or permission of the instructor. Comprehensive examination of the theory and practice behind software development. Students design, develop, implement and release a significantly sized software product.

Offered: Fall Semester

**CS 525 - Software Testing & Quality Assurance (3.0)**

Prerequisite: A minimum grade of "B-" in CS 524 or permission of the instructor. Comprehensive examination of the theory and practice behind software testing and quality assurance. Topics include: the software testing process, testing methods, test models, test design techniques, integration, regression, measurement, unit testing, slicing, debugging, inspection and software metrics.

Offered: Spring Semester (Odd Years)

**CS 527 - Data Science (3.0)**

Prerequisites: CS 530 or Permission of the instructor

This course provides an overview of Data Science, covering a broad selection of challenges and methodologies for working with big data. Topics to be covered include data collection, integration, management, modeling, analysis, visualization, prediction, and informed decision making. Students work on hands-on projects and case studies using real data sets from a variety of domains including science, business, engineering, social sciences, and life sciences.

Offered: Spring Semester

**CS 528 - Artificial Intelligence (3.0)**

Prerequisite: A minimum grade of "B-" in CSIT 512, or permission of the instructor. History, fundamental principles, and future directions of A.I. Topics include state-space searching, knowledge representation, logic and deduction, natural language processing, neural networks, learning, vision, robotics, and cognitive science. Topics will be treated at a level of depth and detail appropriate for a first course in AI.

Cross-Listed as: Double-numbered course; offered with undergraduate-level CS 428

Offered: Fall Semester

**CS 530 - Introduction to Database Management Systems (3.0)**

Prerequisite: A minimum grade of B- in CSIT 512, or permission of the instructor. Not open to students who have completed IT 530. Design and implementation of databases from a real world applications point of view. The course includes database concepts such as basic architectural issues, the relational model, query processing, logical database design and normalization theory and data protection issues.

Offered: Spring Semester

**CSIT 532 - Computer Forensics (3.0)**

Prerequisites: CSIT/CYBR 555 or permission of the instructor. Theory and practice behind the analysis of computing and networking equipment to determine if systems and networks have been used for illegal, unauthorized or unusual activities.

Offered: Both Semesters

**CSIT 534 - Network and Internet Security (3.0)**

Prerequisites: CSIT 555 or CYBR 555 and CSIT 548 or CYBR 548 or permission of the instructor.

Examination of the pervasive security threats related to the Internet, data communications and networking. Real-time or near real-time capture of information and the systematic tracking of transmissions. Topics include network-borne threats, detection, prevention and analysis; authentication; malicious software and firewalls.

Offered: Both Semesters

**CSIT 537 - Applied Encryption and Cryptology (3.0)**

Prerequisites: A minimum grade of B- in CSIT 555 or permission of the instructor. Introduction to cryptology, the science of making and breaking secret codes. Topics include encryption, cryptanalysis, public and secret key encryption, block ciphers and digital signatures. Classic and modern cryptography and encryption concepts will be introduced as tools and safeguards to be applied, implemented and evaluated in real-world scenarios.

Offered: Spring Semester (Even Years)

**CSIT 540 - Human-Computer Interaction (3.0)**

Prerequisite: CSIT 512 or IT 514 (MS in IT students) or permission of the instructor. The role of human factors and psychology in usability; interaction and interface design issues; command languages, menus, error messages and response time physical interaction, I/O devices and interaction style and techniques; the design process and user models; interface evaluation; integration of user interfaces with software engineering.

Offered: Spring Semester (Odd Years)

**CS 542 - Perception in Artificial Intelligence (3.0)**

Prerequisites: CSIT 512 and CS 528. This course deals with the simulation of human perception. Specific topics investigated include methods for pattern recognition and employing neural networks in perceptual tasks.

Offered: Fall Semester (Even Years)

**CS 543 - Machine Learning (3.0)**

Prerequisites: CSIT 512 and CS 528 Introduction to the field of modeling learning with computers. Topics included are explorations of inductive learning, learning decision trees, ensemble learning, computational learning theory, and statistical learning methods.

Cross-Listed as: Double-numbered course; offered with undergraduate-level CS 443

Offered: Spring Semester (Even Years)

**CS 544 - Knowledge Representation & Reasoning (3.0)**

Prerequisites: CSIT 512 and CS 528. This course provides a comprehensive examination of current approaches to knowledge representation. Topics covered will include first order logic, ontological engineering, reasoning systems and dealing with uncertainty.

Offered: Fall Semester (Odd Years)

**CS 545 - Robotics & Intelligent Systems (3.0)**

*Prerequisites:* A minimum grade of B- in CS 528, or permission of the instructor. Comprehensive examination of the theory and practice behind robot-building and the deployment of intelligent systems. Topics are divided between robot architectures (control paradigms, kinematics, sensors, actuators and navigation) and cognitive robotics (learning, decision-making, coordination and cooperation).

Cross-Listed as: Double-numbered course; offered with undergraduate-level CS 445

Offered: Spring Semester (Odd Years)

**CS 550 - Digital Logic and Switching Theory (3.0)**

*Prerequisite:* A minimum grade of B- in MATH 505, or permission of the instructor. Introduction to combinational and sequential circuit design.

Topics include Boolean algebra and simplification techniques, arithmetic circuits, decoders, flip-flops, counters, registers, memory systems, analog-to-digital conversion and VHDL programming.

Cross-Listed as: Double-numbered course; offered with undergraduate-level CS 450

Offered: Spring Semester (Even Years)

**CSIT 548 - Telecommunications and Networking (3.0)**

Data communications, computer networks and open systems. In-depth review of basic terminology and concepts in telecommunication protocols, transmission techniques, network architecture alternatives, internetworking, circuit and packet switching and telecommunication solutions.

Cross-Listed as: Also offered as CYBR 548

Offered: Both Semesters

**CS 553 - Data Communications & Network Security (3.0)**

*Prerequisites:* A minimum grade of B- in both CSIT 512 and CS 508, or permission of the instructor. Foundations of networking technology and security. Signaling, signal propagation, data and bit encoding, packetization, wiring, physical and logical topologies, network architectures, protocols and layered models, network security will focus on the origin, axis and impacts of network related threats and their detection, correction and prevention.

Cross-Listed as: Double-numbered course; offered with undergraduate-level CS 453

Offered: Fall Semester

**CSIT 555 - Information Systems Security (3.0)**

*Prerequisites:* IT 510 or permission of the instructor.

Technical, operational and managerial issues of computer systems. Threats to computer security including schemes for breaking security, and techniques for detecting and preventing security violations. Emphasis will be on instituting safeguards, examining types of security systems and applying the appropriate level of security for perceived risks.

Offered: Spring Semester and/or Summer

**CS 557 - UNIX System Programming (3.0)**

*Prerequisite:* A minimum grade of "B-" in CS 519, or permission of the instructor. This course will focus on the UNIX operating system and system level programming in the UNIX environment. Course includes an in-depth study of UNIX file handling, process structure, process control,

process scheduling, memory management and interprocess communication.

Offered: As Needed

**CS 561 - Computer Architecture (3.0)**

*Prerequisites:* A minimum grade of B- in both CS 508 and CS 519, or permission of the instructor. An in-depth study of architectural concepts and principles including performance-based design tradeoffs. Topics to be covered include: instruction set design, arithmetic algorithms, hardwired and microprogrammed control, memory hierarchy design, input/output, pipelines, RISC, CISC, vector processors, parallel processors and superscalar machines.

Cross-Listed as: Double-numbered course; offered with undergraduate-level CS 461

Offered: Fall Semester (Odd Years)

**CS 564 - Operating Systems (3.0)**

*Prerequisites:* A minimum grade of B- in both CS 508 and CS 519, or permission of the instructor. A comprehensive introduction to the fundamental principles of operating systems illustrated by examples from contemporary systems. This course emphasizes the design tradeoffs involved in operating system design. Topics include: process management; concurrency; deadlock; cpu scheduling; memory management; disk management; files systems; security; and distributed, real-time and multiprocessor operating systems.

Cross-Listed as: Double-numbered course; offered with undergraduate-level CS 464

Offered: Spring Semester

**CSIT 565 - Advanced Database Management Systems (3.0)**

*Prerequisites:* CS 519 and CS 530 or CSIT 512 and IT 530. This course examines advanced data management concepts and technologies. Topics include indexing structures, query processing, transaction management, data security, data warehousing, object-oriented extensions, XML, distributed data management, and recent advances and alternate architectures for Big Data management and processing.

Offered: Fall Semester

**CS 566 - Parallel Computing (3.0)**

*Prerequisites:* A minimum grade of B- in CS 519 or permission of the instructor. A comprehensive introduction to both the principles and the practice of parallel computing. Topics to be covered include: programming and architectural models, parallel algorithms and parallelizing compilers.

Cross-Listed as: Double-numbered course; offered with undergraduate-level CS 466

Offered: As Needed

**CS 571 - Programming Languages: Their Design and Compilation (3.0)**

*Prerequisites:* A minimum grade of "B-" in both CS 508 and CS 519, or permission of the instructor. Survey of major programming paradigms and their related languages, including procedural, functional, logic and object-oriented programming. Topics include: binding, exception handling, data sharing, scope, parameter passing, type checking, runtime storage management, lexical analysis, syntactic analysis, parsing, code generation and optimization.

Cross-Listed as: Double-numbered course; offered with undergraduate-level CS 471

Offered: Fall Semester (Odd Years)

### **CS 575 - Independent Study (1.0 - 3.0)**

*Prerequisite: permission of the chair of the department. A maximum of 6 credits may be applied to a degree program. Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.*

Offered: Either Semester

### **CSIT 575 - Independent Study (1.0 - 3.0)**

*Prerequisite: permission of the chair of the department. A maximum of 6 credits may be applied to a degree program. Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.*

Offered: Either Semester

### **CS 577 - Algorithms and Music Composition (3.0)**

*Prerequisite: CSIT 512 or Permission from Instructor*

This course explores the relationship between computer programming and musical composition. Students study selected elements of music, including sound sources, rhythms, melodies, and harmonies, and learn how to generate these elements with functions and algorithms. Students also develop computer programs that generate structured musical compositions. The course includes several individual hands-on assignments, participation in a "laptop ensemble," and presentation of a final project. Students learn new programming languages and tools from the area of musical computing, solve new problems, and improve their function and algorithm design skills. A background in music may be helpful but is not required. Students are expected to have completed one course in a modern, object-oriented language such as Python, C++, or Java.

Offered: Summer Semester

### **CS 580 - Master's Thesis Preparation (6.0)**

Supervision of the master's thesis. Required of all degree candidates who select the thesis option.

Offered: Either Semester

### **CS 585 - Master's Field Work Project (6.0)**

Supervision of the master's field work project. Required of all degree candidates who select the field work project option.

Offered: Either Semester

### **CS 595 - Software Engineering Project (6.0)**

*Prerequisites: CS 524 and 18 credits of CS coursework beyond foundation level, and permission of department. Design, creation and documentation of an applications program. Required of all degree candidates who have requested and been accepted for the software engineering project option.*

Offered: Either Semester

### **CSIT 597 - Curricular Practical Training in CS/IT (1.0 - 3.0)**

*Prerequisite: Completion of 18 credits and permission of the instructor.*

This course is designed to provide computer science and information technology professionals with a working knowledge and practical application of the topics covered in CS, IT and MIT courses. The students

will apply current research and accepted practices of CS and IT field in a variety of professional settings and will perform work supervised by both a professional advisor and a Hood advisor. Based on the description for the external position, students will craft an appropriate research/professional plan, in consultation with his/her Hood advisor.

This course will help students synthesize previous concepts and training as they transition to the role of a professional. This 3-credit course counts as an elective toward degree completion.

Offered: Either Semester

## **CYBR - CYBERSECURITY**

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### **CYBR 521 - Info Assurance & Risk Assessment (3.0)**

*Prerequisite: CSIT 555 or CYBR 555 or permission of the instructor.*

Concepts of information assurance and security risk assessment. Protecting the confidentiality, integrity and availability of data and their delivery systems. Topics include security assessment definitions and nomenclature, approaches for risk assessment, high assurance system design and techniques for quantitative and qualitative risk analysis.

Cross-Listed as: Also offered as CSIT 521

Offered: Spring and/or Summer Semester

### **CYBR 532 - Computer Forensics (3.0)**

*Prerequisites: CSIT/CYBR 555 or permission of the instructor.*

Theory and practice behind the analysis of computing and networking equipment to determine if systems and networks have been used for illegal, unauthorized or unusual activities.

Cross-Listed as: Also offered as CSIT 532

Offered: Both Semesters

### **CYBR 534 - Network and Internet Security (3.0)**

*Prerequisites: CSIT 555 or CYBR 555 and CSIT 548 or CYBR 548 or permission of the instructor.*

Examination of the pervasive security threats related to the Internet, data communications and networking. Real-time or near real-time capture of information and the systematic tracking of transmissions. Topics include network-borne threats, detection, prevention and analysis; authentication; malicious software and firewalls.

Cross-Listed as: Also offered as CSIT 534

Offered: Both Semesters

### **CYBR 535 - Security Policies, Ethics and Law (3.0)**

*Prerequisite: CYBR/CSIT 555 or Permission of Instructor*

Security issues from a managerial, legal and ethical standpoint. Current legal obligations and limitations; linkage of security policy and practices with managerial operations and decision making. Topics include: security law, security policy making & implementation, policy practices & Acceptable Use Policies, and Litigation Avoidance.

Cross-Listed as: Also offered as IT 535

Offered: Summer Semester

### **CYBR 537 - Applied Encryption and Cryptology (3.0)**

*Prerequisites: A minimum grade of B- in CSIT 555 or CYBR 555 or permission of the instructor.*

Introduction to cryptology, the science of making and breaking secret codes. Topics include encryption, cryptanalysis, public and secret key encryption, block ciphers and digital signatures. Classic and modern cryptography and encryption concepts will be introduced as tools and safeguards to be applied, implemented and evaluated in real-world scenarios.

Cross-Listed as: Also offered as CSIT 537

Offered: Spring Semester (Even Years)

### **CYBR 548 - Telecommunications & Networking (3.0)**

Data communications, computer networks and open systems. In-depth review of basic terminology and concepts in telecommunication protocols, transmission techniques, network architecture alternatives, internetworking, circuit and packet switching and telecommunication solutions.

Cross-Listed as: Also offered as CSIT 548

Offered: Both Semesters

### **CYBR 555 - Information Systems Security (3.0)**

*Prerequisites: IT 510 or permission of the instructor.*

Technical, operational and managerial issues of computer systems. Threats to computer security including schemes for breaking security, and techniques for detecting and preventing security violations. Emphasis will be on instituting safeguards, examining types of security systems and applying the appropriate level of security for perceived risks.

Cross-Listed as: Also offered as CSIT 555

Offered: Spring and/or Summer Semester

### **CYBR 556 - Ethical Hacking (3.0)**

*Prerequisites: CSIT 534 or CYBR 534 or permission of the instructor*

The course covers the methods and techniques associated with cybersecurity penetration testing or ethical hacking. Course topics provide a full cycle of activities related to ethical hacking, ranging from planning, reconnaissance and scanning to exploitation, post-exploitation, result reporting and remediation. The focus is for students to explore how system and network vulnerabilities can be discovered and exploited along with techniques on how to remediate them. The course includes a significant hands-on lab component.

Offered: Both Semesters

### **CYBR 560 - Cybersecurity Capstone (3.0)**

*Prerequisites: CYBR 521, CYBR 534, CYBR 535, CYBR 532 or CYBR 556, or permission of the instructor*

The course should be taken on the last semester of the student's program. The purpose of the semester-long capstone is to provide students the opportunity to work with a faculty or industry mentor on a cybersecurity research topic. Students are expected to demonstrate their mastery by generating serious, in-depth, scholarly and professional level output. The capstone is designed to be inclusive of any possible expression of research and scholarly output in cybersecurity, ranging from the practical development of systems and software to the theoretical analysis or interpretive contribution to a research topic. In all cases, the capstone should demonstrate the student's summative expression of what they have learned in the MS program and should be evidenced, at minimum, in the form of a significant, capstone document. This document is expected to be in level and depth comparable to peer-reviewed publication.

Offered: As Needed

### **CYBR 575 - Independent Study (1.0 - 3.0)**

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

Prerequisite: permission of the chair of the department. (1-3 credits)

Offered: As Needed

### **CYBR 597 - Cybersecurity Practical Training (1.0 - 6.0)**

*Prerequisites: Completion of 15 credits beyond foundation courses, 3.5 minimum GPA and Permission from Instructor.* This course is designed to provide cybersecurity professionals with a working knowledge and practical application of the topics covered in our cyber courses. The students will apply current research and accepted practices of the cybersecurity field in a variety of professional settings and will perform work supervised by both a professional advisor and a Hood advisor. Based on the description for the external position, students will craft an appropriate research/professional plan, in consultation with his/her Hood advisor. This course will help students synthesize previous concepts and training as they transition to the role of a professional. This course counts as elective credits towards degree completion.

Offered: Both Semesters and/or Summer

### **CYBR 599 - Special Topics (3.0)**

A special topics course may be offered either within a single department or on an interdepartmental basis. The content and methods of such courses depend upon the interests of the faculty and students.

Offered: As Needed

## **EAP - ENGLISH FOR ACADEMIC PURPOSES**

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### **EAP 500 - Advanced English for Academic Purposes (3.0)**

*Prerequisite: By placement only.* This course is designed to help graduate students whose native language is not English develop and extend their speaking, reading, writing and listening skills for academic success. Students must earn a C or better, or they will have to repeat the course the next semester of enrollment. Credit does not count towards the total credits required for a particular program.

Offered: Both Semesters

## **ECON - ECONOMICS**

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### **ECPS 514 - Environmental Policy (3.0)**

This is a comparative course on the making and implementing of environmental policies in developed and developing countries. The focus is on the evolution of environmental policy making and on the problems associated with implementing environmental policies in different political and institutional contexts.

Cross-Listed as: Double-numbered course; offered with undergraduate-level ECPS 414

Offered: Spring Semester (Even Years)

**ECON 551 - Foundations of Economics (3.0)**

*Prerequisite: None. MGMT 552 and ECMG 556 or MATH 500 recommended.* This course introduces students to micro- and macroeconomic analysis of the business environment. The micro portion focuses on the behavior of consumers and firms in the product and resource markets. The macro portion examines the domestic and international factors that influence the aggregate level of economic activity, and the role of monetary and fiscal policies.

Offered: Fall Semester

**ECMG 556 - Statistics for Management (3.0)**

*Prerequisite: MGMT 552 or equivalent.* This course will provide students with the ability to collect and analyze large quantities of data for the purpose of making informed decisions. It is a survey of major statistical tools and techniques used in business research including descriptive statistics, probability, sampling distributions, regression analysis, time series, and forecasting.

Offered: Summer

**ECON 560 - Managerial Economics (3.0)**

*Prerequisites: MGMT 552, MATH 500 or ECMG 556 and ECON 551, or their equivalents.* This course involves the application of microeconomic theory to the business enterprise and the managerial decision-making process. Topics include goals of a firm, decision criteria, analysis and estimation of demand, production and costs and pricing to achieve the firm's objectives under various market conditions.

Offered: Both and/or Summer Semesters

**ECON 575 - Independent Study (1.0 - 3.0)**

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

*Prerequisite:* permission of the chair of the department. A maximum of 6 credits may be applied to a degree program.

Offered: Either Semester

**ECMG 578 - International Financial Management (3.0)**

*Prerequisite: MGMT 561.* This course is designed to give a solid understanding of international finance and institutions. This is achieved through a thorough study of various exchange rate determination theories, international corporate finance and international portfolio diversification models. To this end, exposure to foreign exchange risk and appropriate hedging strategies will be covered, along with the options and derivatives market.

Cross-Listed as: Double-numbered course; offered with undergraduate-level ECMG 478

Offered: Spring Semester

## EDUC - EDUCATION

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**EDUC 500 - Methods for Teaching English Language Learners (3.0)**

This course examines strategies for promoting literacy and language development in English Language Learners grades K-12. Differentiation of content area instruction will also be explored.

Offered: Summer Semester

**EDUC 502 - Technology for Teaching, Learning & Leadership (3.0)**

Examines what educators need to know in order to enhance school programs through the use of technology. Topics include adaptive, administrative, and instructive uses of technology.

Offered: Summer and/or Both Semesters

**EDUC 511 - Children's Literature (3.0)**

A survey of children's literature and enrichment materials and the criteria for evaluating and selecting such materials as they relate to the needs, interests, and capabilities of children and young people.

Offered: Summer Semester (Odd Years)

**EDUC 513 - School Law (3.0)**

This course examines current legal issues facing educational leaders. Specific areas studied include constitutional rights of students, legal aspects of discipline, tort liability, and special education law. Constitutional, federal and state law will be examined within each topic area.

Offered: Fall and/or Summer Semester

**EDUC 514 - Administration of Student Services (3.0)**

Examines the pupil services component of educational administration. Includes components of student services administration, providing services for students with special needs, and the legal aspects of pupil services and special education.

Offered: Spring and/or Summer Semester

**EDUC 517 - Materials for Teaching Reading: Instruction & Methods (3.0)**

*Prerequisite: Completion of a course in processes and acquisitions of teaching reading.* The historical perspectives of reading instruction, developmental programs and materials and specific reading skills needed at elementary and secondary levels will be the focus.

Offered: Fall Semester

**EDUC 518 - Reading Instruction: Elementary (3.0)**

*Prerequisite: Completion of a course in processes and acquisitions of teaching reading.* Concerns the remediation and prevention of reading difficulties and appropriate placement and program planning for all students. Topics include intervention strategies and establishing and managing the literacy program.

Offered: Fall Semester

**EDUC 519 - Reading Instruction: Secondary (3.0)**

*Prerequisite: Completion of a course in processes and acquisitions of teaching reading.* A study of the principles and methods of teaching reading and the appropriate match of students with materials and teaching strategies at the middle school, junior high and senior high levels.

Offered: Spring Semester

**EDUC 520 - Reading Diagnosis (3.0)**

*Prerequisite: Completion of a course in processes and acquisitions of teaching reading.* Designed to acquaint students with a variety of reading disabilities, their possible etiologies and initial diagnostic procedures. Strategies for identifying gifted readers and for measuring general reading achievement will be addressed.

Offered: Spring Semester

**EDUC 521 - Contemporary Issues in the Teaching of Reading (3.0)**

*Prerequisite:* Completion of a course in processes and acquisitions of teaching reading. Emphasizes implications of current theory and results of research for the teaching of reading. Attention is given to issues and problems in the area of reading instruction. An action research project is planned and implemented during the semester. Current issues associated with reading education are also discussed.

Offered: Fall Semester

**EDUC 523 - Reading Diagnosis & Prescription: Clinical (3.0)**

*Prerequisites:* EDUC 517, EDUC 518, EDUC 519, EDUC 520 and EDUC 529 or permission of the instructor. The identification of disabled readers and appropriate prescriptive program planning will be emphasized. Includes the interpretation of initial screening results and subsequent recommendations. Instructional materials for individual and small group teaching will be developed and specific remedial techniques will be refined.

Offered: Spring Semester

**EDUC 524 - Advanced Clinical Reading Experiences: Elementary (3.0)**

*Prerequisite:* EDUC 523 or permission of the instructor. This supervised practicum involves the continuous diagnosis of disabled readers and the planning and implementation of appropriate corrective/remedial programs. Three weeks are spent working with elementary age students. A seminar component is an integral part of the course. To be taken concurrently with EDUC 525.

Offered: Summer Semester

**EDUC 525 - Advanced Clinical Reading Experiences: Secondary (3.0)**

*Prerequisite:* EDUC 523 or permission of the instructor. Supervised practicum involves the diagnosis of disabled readers and the planning and implementation of remedial appropriate to the content areas. Three weeks are spent working with secondary-age students. Taken concurrently with EDUC 524.

Offered: Summer Semester

**EDUC 529 - Literacy Leadership (3.0)**

*Prerequisites:* EDUC 517, EDUC 518, EDUC 519 and EDUC 520. Examines effective school-wide literacy programs and the role the reading specialist/literacy coach plays in those programs.

Offered: Fall Semester

**EDUC 530 - K-12 Blended Learning (3.0)**

This course examines the incorporation of blended learning strategies and tools in K-12 classrooms. The course explores a variety of texts and digital materials with a focus on differentiation and enrichment through the use of technology. Content is geared toward educators working with students with diverse learning and linguistic needs.

Offered: Summer Semester

**EDMA 530 - Mathematics Education Leadership I (3.0)**

This course examines current research and accepted practices in mathematics leadership. It looks into general topics in leadership and explores leadership specific to mathematics education. Participants gain knowledge and skill as they plan for their future development as a leader in mathematics.

Offered: Summer Semester

**EDMA 531 - Mathematics Education Leadership II: Practicum (3.0)**

*Prerequisites:* EDMA 530. This course follows up the topics of Mathematics Education Leadership I, having participants apply current research and accepted practices in mathematics leadership in a 37.5 hour supervised practicum. Participants will work with a range of students and adult learners in a variety of professional development settings. This is a hybrid course with 34% of the coursework to be face-to-face, 33% of the coursework to be on-line via Blackboard, and 33% to be in a supervised practicum.

Offered: Fall Semester

**EDUC 533 - Effective Home-School Interaction: Research & Practice (3.0)**

The dynamics of the family-teacher-child relationship with emphasis on the teacher's role as partner and counselor of children ages 3-12. Techniques for working with family and children will be evaluated and designed by the teacher.

Offered: Fall Semester

**EDUC 534 - Current Issues in Early Childhood & Elementary Education (3.0)**

A review and analysis of current research in early childhood and elementary education with emphasis on issues, emerging trends, and procedures essential to developing classroom programs for students.

Offered: Spring Semester

**EDUC 535 - Integrating the Elementary Curriculum through Language Arts (3.0)**

Emphasis on integrating language arts in areas of the elementary school curriculum. Techniques and practical activities for developing skills such as listening, speaking, literature, writing, comprehension and vocabulary development will form the core of the course.

Offered: Summer (Even Years)

**EDUC 539 - National Board Certification Support (3.0)**

This course provides guidance and feedback to candidates in pursuit of National Board Certification. Participants will examine and apply the National Board for Professional Teaching Standards (NBPTS) specific to individual content areas. Participants will analyze and reflect on their teaching practice and the impact of assessment and collaboration on student learning through the completion of components 3 and 4 of the National Board candidate portfolio.

Offered: Fall Semester

**EDUC 540 - Modern Science Methods (3.0)**

An examination of modern elementary and middle school science and Science, Technology, Engineering and Mathematics (STEM) methods, curriculum materials and instructional strategies.

Offered: Fall Semester

**EDUC 542 - Topics in Elementary Physical & Earth Science (3.0)**

A consideration of the processes and topics of physical science that are most appropriate to teachers. An activity-centered STEM approach is utilized and Next Generation Science Standards for physical and Earth sciences are addressed.

Offered: Spring Semester (Even Years)

**EDUC 544 - Topics in Elementary Life Science (3.0)**

A consideration of the processes and topics of biological relevant to elementary teachers. An activity-centered STEM approach is utilized and Next Generation Science Standards for life science are addressed.

Offered: Fall Semester (Even Years)

**EDUC 545 - Modern Mathematics Methods (3.0)**

An examination of modern elementary mathematics methods, Science, Technology, Engineering and Mathematics (STEM) curriculum, materials and instructional strategies.

Offered: Summer Semester

**EDUC 546 - The Teaching of Numbers, Operations & Algebraic Thinking in Elementary & Middle School (3.0)**

A study of the teaching of numbers, operations, and algebraic thinking in elementary and middle schools. Focus areas include how students learn numbers, operations, and algebraic thinking.

Offered: Spring Semester (Even Years)

**EDUC 547 - The Teaching of Geometry & Measurement in Elementary & Middle School (3.0)**

A study of the teaching of geometry and measurement in elementary and middle schools. Focus areas include how students learn geometry and measurement.

Offered: Spring Semester (Odd Years)

**EDUC 551 - The Teaching of Geometry (3.0)**

*Prerequisites: MATH 501 or equivalent. May be taken concurrently.*

Current research and accepted practices in teaching and assessing geometry in the secondary school. Focus on problem solving and mathematical reasoning, communication, and integrating geometry with other disciplines.

Offered: Fall Semester (Odd Years)

**EDUC 552 - The Teaching of Algebra (3.0)**

*Prerequisites: MATH 502 and or equivalent. May be taken concurrently.* Current research and accepted practices in teaching and assessing algebra in the secondary school. Focus on problem solving and mathematical reasoning, communication, and integrating algebra with other disciplines.

Offered: Fall Semester (Even Years)

**EDUC 553 - Foundations of Elementary STEM (Science-Technology-Engineering-Mathematics) Education (3.0)**

Examines foundational elements of elementary STEM (Science-Technology-Engineering-Mathematics) inquiry-based instruction. Participants are expected to learn through experience, exploration, and discourse to gain an understanding of a STEM mindset to facilitate implementing a STEM approach in the elementary classroom.

Offered: Spring Semester

**EDUC 561 - Teaching Diverse Learners in an Inclusive Setting (3.0)**

Designed to develop skills, attitudes and understanding to enable the general early childhood, elementary and secondary classroom teacher to effectively educate learners with special needs. Topics include inclusion, educational planning, teaching techniques, student assessment, and classroom organization and management skills.

Offered: Spring Semester

**EDUC 565 - Classroom Organization & Management in Special Education (3.0)**

Classroom organization, climate, management and teaching techniques for students in general and special education settings; behavior modification, interaction techniques, self-management strategies and motivation strategies.

Offered: Fall Semester

**EDUC 571 - Historical, Philosophical & Legal Foundations of Special Education (3.0)**

Historical and legal perspectives that led to PL 94-142 and subsequent legislation. Current issues in the field of special education; survey of disabilities, philosophical concerns, educational ramifications of legislation and innovative programming.

Offered: Summer Semester

**EDUC 573 - Assessment, Diagnosis & Prescription in Special Education (3.0)**

Theoretical and practical aspects of assessment, diagnosis and prescription of children with mild or moderate disabilities. Implications for educational programming are considered. Appropriate test selection and comprehensive report writing are included.

Offered: Spring Semester (Odd Years)

**EDUC 574 - Curriculum & Methods in Inclusive Classrooms: English Language Arts & Social Studies (3.0)**

A study of curriculum goals and objectives, and the methods and materials to be used to meet the needs of diverse learners. Topics include learning processes and development of instructional programs in literacy and social studies.

Offered: Fall Semester

**EDUC 575 - Independent Study (1.0 - 3.0)**

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms. Prerequisite: permission of the chair of the department. A maximum of 6 credits may be applied to a degree program. (1-3 credits per independent study)

Offered: Either Semester

**EDUC 576 - Curriculum & Methods in Inclusive Classrooms: Math and Science (3.0)**

A study of curriculum goals and objectives, and the methods and materials to be used to meet the needs of diverse learners.

Offered: Spring Semester

**EDUC 577 - Introduction to Educational Research (3.0)**

Prepares educators to become effective consumers of educational research, using a variety of tools and technology to locate and evaluate research documents. Topics include research design, methods of data collection and analysis, and development of a study proposal.

Offered: Summer and/or Both Semesters

**EDUC 578 - Educational Leadership and Group Dynamics (3.0)**

Extends educators' knowledge, understanding, and application of theories of child development and the teaching-learning-assessment process. Provides opportunities to consider and apply the findings of educational, psychological, and brain-based research and theory.

Offered: Fall and/or Summer Semester

**EDMA 579 - Capstone Project (3.0)**

*Prerequisites: Completion of 21 credits in the M.S. in Mathematics Education program.* Each project will focus on an idea that links mathematics to its teaching and learning. Independent reading and study, reflection, writing, and possible action research. The capstone is assigned a letter grade, which will reflect not only the quality of the final product, but also the student's performance throughout the project.

Offered: Either Semester

**EDUC 581 - Research-Based Teaching, Learning & Assessment (3.0)**

Extends students' knowledge, understanding and application of theories of child development and the teaching-learning-assessment process, and offers the student the opportunity to consider and apply the findings of educational, psychological and brain-based research and theory.

Offered: Summer and/or Both Semesters

**EDUC 582 - Educational Philosophy in a Diverse Society (3.0)**

Examines educational philosophies and frameworks in the context of diverse student populations. Topics include culturally relevant pedagogy, multicultural curriculum, and current issues related to teaching and learning in diverse classrooms.

Offered: Summer and/or Both Semesters

**EDUC 583 - Principles of Curriculum Development & Appraisal (3.0)**

Examines various approaches to curriculum development and evaluation. Topics include curriculum theories; processes and roles in curriculum planning; data use in curriculum planning; defining curricular goals and objectives; and the role of technology in curriculum and assessment.

Offered: Summer and/or Both Semesters

**EDUC 584 - Systemic Change Processes for School Improvement (3.0)**

Participants examine the literature on systemic change, with emphasis on models and strategies for use by school leaders to affect change at the individual, team, school and district levels.

Offered: Fall and/or Summer Semester

**EDUC 586 - Principles of Educational Supervision (3.0)**

This course examines educational supervision as a function of the school leader. Specific areas studied include classroom observation skills, conferencing skills, evaluation skills, and human relation skills. Students have the opportunity to practice supervisory skills in simulated and on-site applications.

Offered: Spring and/or Summer Semester

**EDUC 587 - Elementary School Administrative Internship (3.0)**

*Prerequisites: EDUC 578, EDUC 583 and EDUC 586.* A yearlong internship experience with a practicing elementary school principal for a range of administrative experiences. The culmination of the experience will result in the submission of an administrative portfolio to be evaluated by college faculty and, where possible, by a public school administrator. Includes class experiences, case studies, and real-life scenarios.

Offered: Year Long

**EDUC 588 - Secondary School Administrative Internship (3.0)**

*Prerequisites: EDUC 578, EDUC 583 and EDUC 586.* A yearlong internship experience with a practicing secondary school principal for a range of administrative. The culmination of the experience will result in the submission of an administrative portfolio to be evaluated by college

faculty and, where possible, by a public school administrator. Includes class experiences, case studies and real-life scenarios.

Offered: Year Long

**EDUC 589 - School Business & Personnel Administration (3.0)**

*Prerequisites: EDUC 578 and EDUC 586.* This course examines administrative functions in the school business and personnel areas. Specific topics examined include revenue and budgeting; school maintenance and operations; comprehensive strategic planning; personnel recruitment, selection, induction and development; and appraisal of personnel performance.

Offered: Summer and/or Fall Semesters

**EDUC 595 - The Teaching of Statistics & Probability: Decision Making with Mathematics (3.0)**

*Prerequisite: MATH 500 or equivalent. May be taken concurrently.* Current research and accepted practices in teaching and assessing statistics and probability in the secondary school. Focus on problem solving and mathematical reasoning, communication, and integrating statistics and probability with other disciplines.

Offered: Spring Semester (Even Years)

**EDUC 596 - The Teaching of Mathematical Modeling: Strategies for Contemporary Problems (3.0)**

*Prerequisite: MATH 505 or equivalent. May be taken concurrently.* Current research and accepted practices in teaching and assessing mathematical modeling in the secondary school. Focus on problem solving through mathematical modeling and mathematical reasoning, communication, and integrating mathematics with other disciplines.

Offered: Spring Semester (Odd Years)

**EDUC 597 - Capstone Research Project (3.0)**

*Prerequisite: Permission of the program director.*

Educators develop and execute a research project, including identifying a problem and developing research questions, conducting a literature review, selecting appropriate methodology, collecting and analyzing data, and writing a reflective summary of findings and next steps. Must have access to a classroom to conduct research.

Offered: Year Long

**EDUC 597MSE - Capstone Research Project (3.0)**

*Prerequisite: Permission of the program director.*

Educators develop and execute a research project, including identifying a problem and developing research questions, conducting a literature review, selecting appropriate methodology, collecting and analyzing data, and writing a reflective summary of findings and next steps. Must have access to a classroom to conduct research.

Offered: Year Long

**EDUC 597ST - STEM Capstone Activity (3.0)**

*Prerequisite: Permission of the program director.* Candidates participate in a culminating project that reflects a transdisciplinary activity. Emphasis is placed on problem solving and making real-life connections through an activity-centered approach using current technology, content curriculum materials, and Science, Technology, Engineering and Mathematics (STEM) pedagogy.

Offered: As needed (One semester)



**EDUC 599 - Special Topics (6.0)**

The content and methods of such courses depend upon the interests of the faculty and students.

Offered: As Needed

**EDUC 599LETRS1 - LETRS Word Recognition: Units 1 & 2 (3.0)**

Learners will engage in a comprehensive online learning experience designed to provide educators with the background, depth of knowledge and tools to teach language and literacy skills to every student within any reading program. May apply for elective credit with program director approval.

Offered: Fall

**EDUC 599LETRS2 - LETRS Word Recognition: Units 3 & 4 (3.0)**

Learners will engage in a comprehensive online learning experience designed to provide educators with the background, depth of knowledge and tools to teach language and literacy skills to every student within any reading program. May apply for elective credit with program director approval.

Offered: Spring

## ENGL - ENGLISH

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**ENGL 501 - Pop Culture & Theory (3.0)**

Cross-Listed as: Double-numbered course; offered with undergraduate ENGL 401

Offered: Spring (Even Years)

## ENV - ENVIRONMENTAL BIOLOGY

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**ENV 501 - Introduction to Environmental Biology (3.0)**

Introduces principles of environmental biology with an in-depth analysis of biological and social variables associated with environmental issues. Energy, natural resource use, population dynamics and technological developments are examined in the context of ecological systems. Emphasis is on global climate change, and its effects are related to the concepts in environmental biology.

Offered: Fall Semester

**ENV 502 - Principles of Ecology (3.0)**

Analyzes interactions between organisms and the environment. A quantitative approach will be used to examine population dynamics, community interactions, and ecosystem processes. The application of modern ecological theory to current environmental problems is emphasized including the observed and anticipated ecological impacts of global climate change.

Offered: Fall Semester

**ENV 503 - Pollution Biology (3.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501 or permission of instructor.* Examines sources, fates and biological effects of environmental pollutants. Topics covered include: air, water and soil

pollution; techniques for monitoring and evaluating pollution effects; and pollution control technologies. Factors leading to global climate change will be examined in depth. The social, economic, and political issues surrounding pollution problems are all examined.

Cross-Listed as: Double-numbered course; offered with undergraduate-level ENSP 403

Offered: Spring Semester

**ENV 503G - Pollution Biology (3.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I or permission of instructor.* See ENV 503. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.

Offered: Spring Semester

**ENV 505 - Biostatistics (3.0)**

Introduces statistical methods used in biological research. Topics include sampling methods, frequency distributions, descriptive statistics, hypothesis testing, probability, and both parametric and non-parametric tests. A statistical software package is introduced in laboratory exercises. Statistical problems involving global climate change are used throughout the semester

Offered: Spring Semester

**ENV 506 - Environmental Microbiology (3.0)**

*Prerequisites: ENV 501 and ENV 502, or permission of the instructor.* Examines the applied effects of microorganisms on the environment and on human activity, health and welfare. Topics include basic biology, ecology and history of the archaea, bacteria, protista, algae, and fungi with special attention given to their environmental relationships. Emphasis is on ecological interactions among microbes, between microbes and plants and between microbes and animals.

Offered: Spring Semester (Odd Years)

**ENV 506G - Environmental Microbiology (3.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I or permission of instructor.* See ENV 506. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.

Offered: Spring Semester (Odd Years)

**ENV 507 - Natural Resource Management (3.0)**

*Prerequisites: ENV 501 and ENV 502, or permission of the instructor.* Introduces students to the basic biological and ecological principles of natural resource management and the complexities of applying these principles to real-world problems. Quantitative and qualitative techniques are used to analyze ecosystems in an integrated fashion that combines biological, economic and political considerations. The impact of climate change on management plans is also considered

Cross-Listed as: Double-numbered course; offered with undergraduate-level ENSP 407

Offered: Spring Semester

### **ENV 507G - Natural Resource Management (3.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I or permission of instructor. See ENV 507. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.*

Offered: Spring Semester

### **ENV 511 - Conservation Biology (3.0)**

*Prerequisites: ENV 501 and ENV 502, or permission of instructor. Examines the critical problems of maintaining, enhancing and restoring biological diversity. Principles of ecology, population biology, genetics and modeling are applied to the conservation of rare species and endangered ecosystems. Topics include international trade in wildlife, ethnobotany, ecological restoration, conservation ethics, natural resource economics, conservation genetics and ecotourism.*

Cross-Listed as: Double-numbered course; offered with undergraduate-level ENSP 411

Offered: Spring Semester (Odd Years)

### **ENV 511G - Conservation Biology (3.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I or permission of instructor. See ENV 511. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.*

Offered: Spring Semester (Odd Years)

### **ENV 512 - Insect Ecology (3.0)**

*Prerequisites: ENV 501 and ENV 502 or permission of the instructor. Introduces advanced topics in insect ecology. A broad overview of the major insect orders and their development will be covered. Topics include distribution patterns, diversity, co-evolution, and interactions in insect communities as they relate to each other and other organisms.*

Offered: Summer Semester (As Needed)

### **ENV 512G - Insect Ecology (3.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I or permission of instructor. See ENV 512. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.*

Offered: Summer Semester (As Needed)

### **ENV 513 - Marine Ecology (3.0)**

*Prerequisites: ENV 501 and ENV 502, or permission of the instructor. Explores the ecology of marine and estuarine systems, including the plankton, rocky shores, soft-sediment bottoms, seagrass beds, salt marshes and coral reefs. Planktonic and benthic processes will receive equal emphasis. Applied topics in fisheries management and in human impacts on marine environments will be introduced.*

Offered: As Needed

### **ENV 513G - Marine Ecology (3.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I or permission of instructor. See ENV 513. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.*

Offered: (As Needed)

### **ENV 515 - Research Design & Data Analysis (3.0)**

*Prerequisites: ENV 505, completion of 15 credits of required courses in the ENV program and at least a 3.0 Grade Point Average, or permission of the instructor. Introduces computational techniques of multiple linear regression, logistic regression, chi-square, and nonparametric multivariate analysis. Methods to optimize study design are stressed. Extensive use of a statistical software package will be used. The ability to develop and critically evaluate research proposals in environmental biology will be developed.*

Offered: Fall Semester

### **ENV 516 - Watershed Hydrology (3.0)**

*Prerequisites: ENV 501 and ENV 502. See ENV 516G. Provides a qualitative and quantitative survey of concepts and physical principles governing the occurrence, distribution, and circulation of water near Earth's surface. Human impacts on watersheds/resources and the linkages among land-use, soil, and water will be addressed.*

Offered: Fall Semester (Even Years)

### **ENV 516G - Watershed Hydrology (3.0)**

*Prerequisites: ENV 501 and ENV 502. See ENV 516. Provides a qualitative and quantitative survey of concepts and physical principles governing the occurrence, distribution, and circulation of water near Earth's surface. Human impacts on watersheds/resources and the linkages among land-use, soil, and water will be addressed.*

Offered: Fall Semester (Even Years)

### **ENV 522 - Ecological Sampling (1.0)**

*Prerequisites as specified for each course, or permission of the instructor. Students will gain practical experience in common ecological sampling methodologies, data collection and analysis.*

### **ENV 522A - Sampling Methods Aquatic Ecosystems (1.0)**

*Prerequisite: ENV 502 or permission of the instructor. Students will learn and practice commonly-used aquatic sampling methodologies as well as be introduced to procedures for the analysis of field-collected data. Practical experience will be gained in the methods employed for qualitatively and quantitatively evaluating a wide range of aquatic habitats.*

Offered: Summer Semester (As Needed)

**ENV 522B - Sampling Methods in Animal Ecology (1.0)**

*Prerequisite: ENV 502 or permission of the instructor.* This course provides an overview of methods employed in the collection and analysis information regarding terrestrial animal populations. In addition, it will provide practical experience in the techniques necessary for qualitatively and quantitatively evaluating the physical, chemical and biological parameters within these systems.

Offered: As needed

**ENV 522D - Sampling Methods for Terrestrial Insects (1.0)**

*Prerequisites: ENV 502 or permission of the instructor* Introduces standard procedures used for data collection and analysis of terrestrial insect communities. Through field work, students will learn how to sample insects in a broad range of categories from litter communities to aerial species, in addition to qualitatively and quantitatively evaluating insects in these same systems.

Offered: As Needed

**ENV 524 - Taxonomy (1.0)**

*Prerequisites as specified for each course, or permission of the instructor.* Students will gain practical experience in the taxonomy and identification of the specified group of organisms.

**ENV 524A - Identification of Local Woody Vegetation (1.0)**

*Prerequisite: ENV 502 or permission of the instructor.* An introduction to the taxonomy and identification of woody vegetation of the Maryland region. Habitat preferences, natural history and methods of collection in preservation also will be covered.

Offered: As needed

**ENV 524B - Aquatic Macroinvertebrate Identification (1.0)**

*Prerequisite: ENV 502 or ENV 503, or permission of the instructor.* An introduction to the use of taxonomic keys for the identification of freshwater macroinvertebrates. Insect morphology and development will also be reviewed. Field trips will provide opportunities to observe ecological adaptations and to collect specimens.

Offered: As needed

**ENV 524C - Algal Systematics and Experimental Methods (1.0)**

*Prerequisite: ENV 502 or permission of the instructor.* An introduction to the classification and identification of algae including freshwater, estuarine and marine phytoplankton and macroalgae. The identification of algae will be considered within the context of environmental functions and human significance. Class field trips will provide an opportunity for students to relate algal diversity to habitat.

Offered: As needed

**ENV 524D - Regional Vertebrate Biodiversity (1.0)**

*Prerequisite: ENV 502 or permission of the instructor.* Introduces collection techniques, identification and natural history of Maryland vertebrates. Field exercises will provide opportunities to observe and collect these organisms in their respective habitats. Ecological adaptations, physiographic distribution and economic importance of selected vertebrates will be covered.

Offered: As needed

**ENV 524E - Terrestrial Insect Identification (1.0)**

*Prerequisites: ENV 502 or permission of the instructor.* Introduces the classification and identification of major insect orders and families found in Maryland. Identification will be considered within the context of ecological functions, economic importance and human significance. In lieu of a final exam, students are required to submit an insect collection either by enrolling concurrently in ENV522D or by other independent efforts.

Offered: As needed

**ENV 524F - Identification of Local Flora (1.0)**

*Prerequisites: ENV 502 or Permission from Instructor* Introduces flowering plants and ferns of Maryland, especially the piedmont region, in a variety of local habitats. Covers basic plant taxonomy, how to use identification keys, characteristics of common local plant families, and procedures for making a herbarium specimen.

Offered: Summer Semester (Odd Years)

**ENV 526 - Analytical Techniques (1.0)**

*Prerequisites as specified for each course, or permission of the instructor.* Students will gain practical experience generating, processing and analyzing ecological data.

**ENV 526B - Genetic Methods for Studying Populations & Species (1.0)**

*Prerequisite: ENV 502 or permission of the instructor.* Examines genetic variation as the raw material of evolutionary processes and as a tool for assessing evolutionary history of populations or species. The use of molecular data in determining the relationships among species will also be discussed. Molecular techniques that are useful to conservation will also be introduced in the laboratory.

Offered: As needed

**ENV 526F - Modeling Structured Populations (1.0)**

*Prerequisite: ENV 502 or permission of the instructor.* Introduces the modeling of populations. Deterministic and stochastic models will be used to assess variability in demographic parameters. Several aspects of population structure will be considered, including age, stage, genetic and spatial structure. Topics include population dynamics, regulation and harvesting; metapopulation structure; conservation genetics; risk assessment; and population viability analysis

Offered: As needed

**ENV 526G - Introduction to GIS Mapping (1.0)**

*Prerequisite: ENV 502 or permission of the instructor.* Introduces information systems, georeferenced data, and vector-based versus raster-based GIS. The course focuses on basic principles of map design and digital cartography, including scale, projection, and symbolization and generalization of geometry and content. Lectures complement intensive, hands-on use of the ArcGIS software package through in-class and homework tutorials and challenge exercises.

Offered: Either Semester (As Needed)

**ENV 526H - Introduction to GIS Analysis (1.0)**

*Prerequisites: ENV 502 and ENV 526G, or permission of instructor* Introduces advanced GIS analysis. Topics include the statistical and scientific principles that underlie the measurement of geographic distributions, the identification of geographic patterns and clusters, and the analysis of geographic relationships. Advanced applications in the

ArcGIS software package are covered through in-class and homework tutorials and challenge exercises.

Offered: Either Semester (As Needed)

**ENV 526I - Introduction to Remote Sensing (1.0)**

*Prerequisites: ENV 502 and ENV 526G or permission of the instructor.* ENV 526 is strongly recommended. Introduces remotely sensed data and how it can be used to address environmental questions. Lectures complement intensive, hands-on use of the IDIRSI and ArcGIS software packages.

Offered: Fall Semester

**ENV 526J - Methods in Soil Ecology (1.0)**

*Prerequisites: ENV 501 and ENV 502, or permission of instructor.* Through lab and field work, students will learn how to sample soils for fertility analysis, interpret soil test results, describe field soil profiles, and assess sites for land use suitability.

Offered: Summer Semester (Even Years)

**ENV 528 - Specialty Courses (1.0)**

*Prerequisites as specified for each course, or permission of the instructor.* Students will gain practical experience in the specified area of ecological research through laboratory or field work.

**ENV 528B - Plant Propagation Techniques (1.0)**

*Prerequisite: ENV 502 or permission of the instructor.* This course provides an introduction to the science and art of sexual and asexual propagation of plants. Seed propagation will include topics such as harvesting, seed testing and storage, germination, seed treatments, and dormancy. Vegetative propagation concepts will include topics such as the harvest and treatment of cuttings, grafting techniques, and budding.

Offered: As Needed

**ENV 541 - Behavioral Ecology (3.0)**

*Prerequisites: ENV 501 and ENV 502 or permission of the instructor.* Introduces students to principles of behavioral ecology. Focus is on the role of natural selection in the evolution of intra- and interspecific behaviors. Topics include foraging, predator-prey relationships, habitat utilization, sociality and kinship, sexual selection and parental investment.

Offered: As Needed

**ENV 550 - Current Topics in Environmental Biology (3.0)**

*Prerequisites: ENV 501 and ENV 502, or permission of the instructor.* Examines current or emerging issues of environmental concern. Relevant current literature including environmental journals, environmental impact statements, recent interdisciplinary reference works and news media information will be studied and discussed in making cause-and-effect analysis of selected issues.

Offered: As needed

**ENV 550I - Topic: Landscape Ecology (3.0)**

*Prerequisite: ENV 501 and ENV 526G or permission of the instructor.* This course will provide a comprehensive introduction to the rapidly developing science of Landscape Ecology. Studying ecological processes at large spatial scales has been facilitated by the development of Geographical Information Systems (GIS) and more specialized computer programs. This course will provide an opportunity to develop ArcViewGIS skills and gain experience in analyzing spatial

environmental and ecological data. There will be an emphasis on practical learning through laboratory exercises and coursework.

Offered: As needed

**ENV 550IG - Landscape Ecology (1.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I or permission of instructor.* See ENV 550I. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.

Offered: (As Needed)

**ENV 550L - Topic: Advanced Geographic Processing (1.0)**

*Prerequisites: ENV 526G and ENV 526H.* Geographic data is a special class of data that is referenced to a specific place on the Earth through an established coordinate system. The advent of the Global Positioning System, geographic Information Systems, and public portals such as Google Earth has made the collection, analysis, and presentation of geographic information a powerful tool in the environmental sciences as well as a variety of other disciplines. This course will provide the student with working knowledge of the Python scripting language that is used to automate geo-processing tools in ARCGIS. The student will also learn Keyhole Markup Language, the engine behind Google Earth. With these tools, the student will prepare sophisticated, web-driven applications that will allow for the analysis and presentation of data in an interactive environment.

Offered: Spring Semester (Odd Years)

**ENV 550LG - Topic: Advanced Geographic Processing (1.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I or permission of instructor.* See ENV 550L. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.

Offered: Spring Semester (Odd Years)

**ENV 550M - Soil Ecology (3.0)**

*Prerequisites: ENV 501 and ENV 502.* Sometimes thought of as inert systems, soils are in fact dynamic living bodies in a constant flux of chemical, biological, and physical interactions. This course will introduce graduate students to advanced topics in soil chemistry, soil biochemistry, and soil microbial ecology to explore how soils influence nutrient cycling, pollution bioremediation, and water quality. Students will explore current topics in soil ecological research through review of assigned peer-reviewed journal articles and the presentation of one thoroughly researched and critically reviewed paper in the students' area of interest within soil ecology.

Offered: Summer Semester (Odd Years)

**ENV 550MG - Soil Ecology (3.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I or permission of*

*instructor.* See ENV 550M. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.

Offered: Summer Semester (Odd Years)

### **ENV 550N - Nutritional Ecology (3.0)**

*Prerequisites:* ENV 501 and ENV 502. Examines behavior, physiology, and morphology in the context of organismal nutritional needs, energetic investments, ecological relationships, and environmental parameters. Topics include trophic interactions and food web dynamics, foraging ecology, capture and assimilation of nutrients, isotopic ecology, and quantitative techniques and methodology. Particular consideration is given to anthropogenic influences on nutritional ecology.

Offered: As Needed

### **ENV 550NG - Nutritional Ecology (3.0)**

*Prerequisites:* ENV 501 and ENV 502. See ENV 550N. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.

Offered: As Needed

### **ENV 550P - Agroecology (3.0)**

*Prerequisites:* ENV 501, ENV 502 or Permission of Instructor.

This course will examine both the historical evolution of farming as well as the movement toward agroecology as a means of more sustainably producing products. Students will explore current topics in agroecological research through review and discussion of peer-reviewed journal articles and will apply information to a capstone project that synthesizes agroecological principles into the design of a food or animal production system.

Offered: Fall Odd Years

### **ENV 550PG - Agroecology (3.0)**

*Prerequisites:* ENV 501, ENV 502, ENV 526G, ENV 526H, ENV 526I or Permission of Instructor.

***This course is available as an elective for the GIS-ENV certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.***

This course will examine both the historical evolution of farming as well as the movement toward agroecology as a means of more sustainably producing products. Students will explore current topics in agroecological research through review and discussion of peer-reviewed journal articles and will apply information to a capstone project that synthesizes agroecological principles into the design of a food or animal production system.

Offered: Fall Odd Years

### **ENV 550Q - Introduction to Plant Pathology (3.0)**

*Prerequisites:* ENV 502 or permission of Instructor. Introduction to fundamental concepts of plant pathology. We will focus on plant pathogenic microorganisms, tools for diagnosing plant diseases, types/categories of diseases, plant-pathogen interactions, plant disease management, and human impacts on plant disease epidemics. modern molecular tools for disease management will also be discussed. The importance of scientific research for the advancement of plant pathology concepts will also be explored through readings, discussions, and assignments.

Offered: Spring Even Years

### **ENV 551 - Plant Ecology (3.0)**

*Prerequisites:* ENV 501 and ENV 502, or permission of the instructor.

Analyzes how environmental fluctuations impact plant populations, along with current problems in plant ecology. Topics include the vital processes of plants, the effects of environmental factors on their metabolism and energy transformations and their ability to adapt to these factors.

Cross-Listed as: Double-numbered course; offered with undergraduate-level BIOL 451

Offered: Fall Semester

### **ENV 551G - Plant Ecology (3.0)**

*Prerequisites:* ENV 501, ENV 502, ENV 526G, ENV 526H, and ENV 526I or permission of instructor.

See ENV 551. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.

Offered: Fall Semester

### **ENV 563 - Freshwater Ecology (3.0)**

*Prerequisites:* ENV 501 and ENV 502, or permission of the instructor.

Explores physical, chemical and biological aspects of lakes and streams. Aquatic organisms are surveyed along with their interrelationships and the physical and chemical components of the aquatic environment controlling their distribution and abundance. Productivity, energy flow and nutrient cycles are also discussed. Sampling and analysis techniques are described

Offered: Spring Semester (Odd Years)

### **ENV 563G - Freshwater Ecology (3.0)**

*Prerequisites:* Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I or permission of instructor.

See ENV 563. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.

Offered: Spring Semester (Odd Years)

### **ENV 564 - Environmental Toxicology (3.0)**

*Prerequisites:* ENV 501, ENV 502 and ENV 503, or permission of the instructor. Introduction to the principles of pharmacology and pathology that apply to mammalian toxicology. Emphasis will be on basic concepts

of toxin/drug response, uptake, distribution and metabolism in mammalian systems. Other major environmental topics to be considered are pathology, mutagenesis, carcinogenesis, teratogenicity and pharmacogenetics.

Offered: Fall Semester (Odd Years)

### **ENV 564G - Environmental Toxicology (3.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I or permission of instructor.* See ENV 564. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.

Offered: Fall Semester (Odd Years)

### **ENV 565 - Environmental Toxicology Laboratory (1.0)**

*Prerequisites: ENV 564 or permission of the instructor.* Focuses on laboratory-based environmental toxicology and the requirements of the EPA National Pollutant Discharge Elimination System (NPDES) Program. Students will follow EPA guidance on the requirements for sampling, toxicity assays, statistical analysis and report writing. Students will also evaluate assays and draw appropriate conclusions.

Offered: As Needed

### **ENV 575 - Independent Study (1.0 - 3.0)**

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

*Prerequisite:* permission of the chair of the department. A maximum of 6 credits may be applied to a degree program.

Offered: Either Semester

### **ENV 577 - Climate Change (3.0)**

*Prerequisite: Concurrent enrollment in or successful completion of all ENV core courses, ENV 501, ENV 502, ENV 503, ENV 505 and ENV 507, and at least one 1-credit ENV course, or permission of instructor.* Integrates several core areas in the field of environmental biology and applies them to current issues in global climate change. Students will apply principles of adaptation, ecology, pollution biology, statistics, and resource management to current developments in the field. Topics include recent climate-change data, vulnerability, adaptation, mitigation, and methodological approaches.

Offered: As Needed

### **ENV 577G - Climate Change (3.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I or permission of instructor.* See ENV 577. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.

Offered: (As Needed)

### **ENV 578 - Climate Change Capstone (3.0)**

*Prerequisites: Concurrent enrollment or successful completion of 30 ENV credits, including all core courses: ENV 501, ENV 502, ENV 503, ENV*

*505 and ENV 507 and at least one 1-credit ENV course, or permission of the instructor.* The final programmatic requirement for ENV students in the Non-Research Track, Capstone Option; requires successful completion of a comprehensive final exam. This course integrates the core areas of environmental biology as they relate to global climate change. Students will apply principles of adaptation, ecology, pollution biology, statistics, and resource management to climate-change data, vulnerability, adaptation, mitigation, and methodological approaches.

Offered: As Needed

### **ENV 578G - Climate Change Capstone (3.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I or permission of instructor.* See ENV 578. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.

Offered: As Needed

### **ENV 579 - Independent Research Project (3.0)**

*Prerequisites: All required and four elective courses.* The student must collect and analyze data that address a specific hypothesis. A written proposal must be submitted to a faculty adviser prior to the student's enrolling and a final written report is due to the adviser at the end of the project.

Offered: Either Semester

### **ENV 579G - Independent Research Project (3.0)**

*Prerequisite: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 526G, ENV 526H and ENV 526I.* See ENV 579. This course is available as an elective for the GIS-ENV Certificate and is only available to students simultaneously pursuing the MS in Environmental Biology. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.

Offered: Either Semester

### **ENV 580A - ENV Master's Thesis A (3.0)**

*Prerequisites: Completion of 12 credits of ENV coursework, including ENV 505 and ENV 515.*

By invitation only. Supervision of the Master's thesis. Required of all degree candidates who select the thesis option after being invited.

Offered: Either Semester

### **ENV 580B - ENV Master's Thesis B (3.0)**

*Prerequisite: ENV 580A*

Completion of master's thesis research

Offered: Either Semester

### **ENV 580AG - ENV Master's Thesis A (3.0)**

*Prerequisites: Completion of 12 credits of ENV coursework, including ENV 505 and ENV 515.*

By invitation only. Supervision of the Master's thesis. Required of all degree candidates who select the thesis option after being invited. See ENV 580A (p. 261). This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.

Offered: Either Semester

#### **ENV 580BG - ENV Master's Thesis B (3.0)**

*Prerequisite: ENV 580AG*

Completion of master's thesis research

Offered: Either Semester

#### **ENV 591 - Internship in Environmental Biology (3.0)**

*Prerequisites: Successful completion of at least 21 ENV credits, including ENV 515 and a 3.0 GPA. Students opting for the non-research option within the ENV program are eligible for internship credit as a capstone experience. This course cannot be taken for elective credit. On-site training in environmental biology with a cooperating organization. Interns gain practical, on-the-job skills and experience in environmental biology with an industry, consulting firm, unit of government, government agency, or non-profit organization. An individualized project must be conducted by the student under the direct guidance of a senior level scientist at the cooperating organization.*

Offered: Either Semester

#### **ENV 591G - Internship in Environmental Biology (3.0)**

*Prerequisites: Completion of or concurrent enrollment in ENV 501, ENV 502, ENV 515, ENV 526G, ENV 526H and ENV 526I and permission of instructor. A 3.0 GPA is also required. See ENV 591. This course is available as an elective for the GIS-ENV Certificate. It is the student's responsibility to inform the instructor that this course will count toward the GIS-ENV Certificate by the drop/add deadline each semester, so that GIS-focused assessments can be completed. Once a student declares the GIS option, the course cannot revert to the non-GIS version.*

Offered: Either Semester

#### **ENV 599 - Special Topics (6.0)**

The content and methods depend upon the interests of the faculty and students. (1-6 credits)

Offered: As needed

## **FA - FINE ARTS**

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#### **FA 501 - Art and Music Proseminar: Aesthetics, Culture, and History (3.0)**

This course will be devoted to ways of understanding the histories of music and the visual arts. These histories, sometimes intertwined, sometimes distinct, will be approached chronologically, and addressed through a variety of scholarly methods, including formal analysis, social history, Marxism, gender study, semiotics, deconstruction and others. Classes will be devoted to lectures by the designated faculty and selected guests, as well as selected reading, discussion, viewing and listening.

Offered: Fall Semester (Even Years)

## **FREN - FRENCH**

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#### **FREN 590 - Teaching Assistantship in French (1.0 - 3.0)**

Prerequisites: Open to graduate students enrolled in the Master in Humanities program who have completed five courses in French at the 200 level or above. Departmental permission required. A teaching practicum for advanced French students with regularly scheduled hours assisting in selected lower-level French courses. Hours will include regular consultations with course instructor regarding teaching experiences, methods, and content. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

## **HIST - HISTORY**

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#### **HIST 501 - History Proseminar (3.0)**

This course introduces students to the study of history at the graduate level. Examining a single theme across several societies and time periods, it addresses questions of methodology, theory, historiography, and the research and writing techniques used by historians.

Offered: Fall Semester (Odd Years)

#### **AFHS 524 - Race and Racism in the United States (3.0)**

This course explores the origins and development of racial attitudes, both scientific and popular, supporting mythologies, and contemporary institutional expressions. It will also discuss the African Americans' attempts to resist white supremacy. Emphasis will be on African American history since Reconstruction.

Cross-Listed as: Double-numbered course; offered with undergraduate-level AFHS 424

Offered: Spring Semester (Even Years)

#### **HIST 570 - Seminar: Topics in History (3.0)**

This advanced course explores one topic in depth. The format, approach and perspective vary according to the instructor's expertise and preference, but in general students are expected to read deeply in the topic, participate actively in seminar discussions and complete a major research project.

Offered: As Needed

#### **HIST 575 - Independent Study (1.0 - 3.0)**

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

Prerequisite: permission of the chair of the department. A maximum of 6 credits may be applied to a degree program. (1-3 credits per independent study)

Offered: Either Semester

## HUM - HUMANITIES

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### HUM 535 - Teaching Assistantship (1.0)

*Prerequisite:* At least 12 graduate credit hours in Humanities and permission of the instructor. Graduate students may serve as teaching assistants in undergraduate Humanities courses. The assistant would attend classes, tutor students, and join in periodic conferences with the instructors. Other duties would include organizing discussions, helping with constructing exams, and arranging for non-print media instruction. May be taken only twice. Grading is on a S/U basis.

Offered: Either Semester

### HUM 550 - Directed Readings (3.0)

*Prerequisites:* Completion of the proseminars HIST 501, PLRL 501, LIT 501, FA 501 and permission of both the instructor and program director. An individual course for special fields of interest beyond regular course offerings. Students wishing to take a directed reading course should have a clear topic in mind before approaching an instructor, who will help the student plan an appropriate reading program. Proposals must include a course description, reading list, and required assignments.

Offered: As needed

### HUM 560 - Humanities Colloquium (3.0)

Humanities Colloquia are reading intensive courses that build on skills learned in the proseminars and introduce students to the scholarship on a particular topic, theme, era, or genre, providing both an overview of its critical debates and the range of methodologies or approaches appropriate to the field. Course topics vary according to discipline and specialization of faculty.

Offered: As needed

### HUM 575 - Independent Study (1.0 - 3.0)

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms. Prerequisite: permission of the chair of the department. A maximum of 6 credits may be applied to a degree program.

Offered: Either Semester

### HUM 580A - Humanities Thesis A (3.0)

*Prerequisites:* Completion of at least 24 credits to include HIST 501, PLRL 501, LIT 501, FA 501 and all elective coursework and approval of the MAH Advisory Committee. This is a substantial independent research project, or a creative writing project with an academic introduction. The student will work closely with a faculty advisor and two other faculty members to develop, draft, and defend their thesis over the course of two semesters.

Offered: Either Semester

### HUM 580B - Humanities Thesis B (3.0)

*Prerequisite:* HUM 580A  
Completion of master's thesis research

Offered: Either Semester

### HUM 594 - Humanities Portfolio (3.0)

*Prerequisites:* Completion of at least 27 credits to include HIST 501, PLRL 501, LIT 501, FA 501, and all elective coursework and approval of the MAH advisory Committee. The student will select one substantial paper from three different completed courses and work closely with the

Portfolio advisor to develop and revise these papers while adding a scholarly introduction that connects the papers to each other and a student's broader area of academic interest.

Offered: Either Semester

### HUM 597 - Humanities Internship (1.0 - 3.0)

*Prerequisites:* FA 501, HIST 501, LIT 501, PLRL 501, completion of at least 21 credits towards the M.A., GPA of 3.0, and Permission of Instructor

This course offers students in the Humanities program the opportunity to pursue a humanities-related internship that complements their academic and/or professional goals. Students must determine the specific nature and workload of an internship with their faculty advisor and are responsible to identify an appropriate on-site internship supervisor.

Offered: As Needed

### HUM 599 - Special Topics (1.0 - 6.0)

A special topics course may be offered either within a single department or on an interdepartmental basis. The content and methods of such courses depend upon the interests of the faculty and students.

Offered: As needed

## IT - INFORMATION TECHNOLOGY

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### IT 510 - Computing Hardware and Software Systems (3.0)

Comprehensive overview of hardware and software system concepts that are fundamental to contemporary information technology. Topics include: computer architecture, operating systems, networks, data management systems and applications.

Offered: Both Semesters

### CSIT 512 - Elements of Computer Programming (3.0)

No prerequisite. Introduction to programming concepts and techniques used in problem solving using a modern programming language. Students design, implement and test programs to solve problems in IT, business and science. Topics include I/O, expressions, types, variables, branching, loops, web programming, program planning and simple multimedia programming.

Offered: Both Semesters

### IT 514 - Contemporary Issues in Information Technology (3.0)

*Prerequisites:* A minimum grade of "B-" in IT 510 and CSIT 512 or concurrent enrollment or permission of the instructor. Current issues in the use of information technology (IT) and the exploration of trends challenging to IT professionals. The primary purpose of this course is to teach students how to approach, investigate, consider, analyze, use and apply information technology in order to address specific information-based needs.

Offered: Either Semester

### ITMG 516 - Introduction to Data Analytics and Business Data Mining (3.0)

*Prerequisites:* CST 512 for IT and MGMT 566 for MIS and MBA. This course examines techniques for discovering patterns in data. Topics will



cover various data mining algorithms and statistical techniques, such as correlation analysis, text mining, decision trees, clustering, and association rules. The course will use data mining and analytical software to build on traditional statistical concepts. Project management techniques unique to exploratory projects will be used throughout the course. In addition to teaching students to organize, manipulate, and convert data into meaningful information for managerial decision-making, the course prepares them to effectively communicate such information with different stakeholders. In addition, students are expected to have competency in statistics.

Offered: Both Semesters

#### **IT 518 - Systems Engineering and Integration (3.0)**

*Prerequisite: IT 514 or permission of the instructor.* Review of procedures, tools and standards in systems engineering and integration. This course provides a detailed examination of the systematic application of proven procedures, tools and standards to information-oriented problems for the purpose of defining, designing, managing and implementing effective information technology solutions.

Offered: Fall Semester

#### **CSIT 521 - Info Assurance & Risk Assessment (3.0)**

*Prerequisites: CSIT/CYBR 555 or Permission of Instructor*

Concepts of information assurance and security risk assessment. Protecting the confidentiality, integrity, and availability of data and their delivery systems. Topics include security assessment definitions and nomenclature, approaches for risk assessment, high assurance system design and techniques for quantitative and qualitative risk analysis.

Offered: Spring and/or Summer Semester

#### **ITMG 524 - Advanced Data Analytics with R (3.0)**

*Prerequisites: IT 518 or MGMT 566 or Permission of Instructor.*

The Advanced Data Analytics with R course introduces advanced concepts and techniques to discovering patterns in data and business data, identifying variables with the most predictive power, and developing and assessing predictive models using R. The course combines statistics, theoretical knowledge of various data mining techniques, and applied data analytics. Students implement these techniques in R and use their understanding of the theoretical knowledge to interpret and analyze results produced in R.

Offered: Spring Semester

#### **ITMG 527 - Management Issues in Information Systems (3.0)**

*Prerequisite: IT 514 for CS/IT majors or MGMT 566 for MBA majors, or permission of the instructor.* An examination and critical assessment of real-life management issues surrounding information systems in application environments. These issues involve the management of information, project management and information resources and systems within the organization.

Offered: Fall Semester

#### **IT 530 - Applied Database Systems (3.0)**

*Prerequisite: A minimum grade of "B-" in IT 510 and CSIT 512 or permission of the instructor.* Not open to students who have completed CS 530. Overview of data management concepts. The course will explore the enterprise perspective of managing data needs of an organization. Topics include data integrity, database models, and integration of databases, security, and database administration issues. The

student will be introduced to query processing within a database environment.

Offered: Both Semesters

#### **CSIT 532 - Computer Forensics (3.0)**

*Prerequisites: CSIT/CYBR 555 or permission of the instructor.* Theory and practice behind the analysis of computing and networking equipment to determine if systems and networks have been used for illegal, unauthorized or unusual activities.

Offered: Both Semesters

#### **ITMG 533 - Managing Technical Project Teams (3.0)**

*Prerequisite: ITMG 527.* This course investigates the process of managing a computer-related project. It includes scheduling techniques and automated tools such as scheduling packages. Focus will be on the team environment conducive to successful project completion.

Offered: Fall Semester

#### **CSIT 534 - Network and Internet Security (3.0)**

*Prerequisites: CSIT 555 or CYBR 555 and CSIT 548 or CYBR 548 or permission of the instructor.*

Examination of the pervasive security threats related to the Internet, data communications and networking. Real-time or near real-time capture of information and the systematic tracking of transmissions. Topics include network-borne threats, detection, prevention and analysis; authentication; malicious software and firewalls.

Offered: Fall Semester

#### **IT 535 - Security Policies, Ethics and Law (3.0)**

*Prerequisite: CSIT/CYBR 555 or permission from instructor*

Security issues from a managerial, legal and ethical standpoint. Current legal obligations and limitations; linkage of security policy and practices with managerial operations and decision making. Topics include: security law, security policy making & implementation, policy practices & Acceptable Use Policies, and Litigation Avoidance.

Offered: Summer Semester

#### **CSIT 537 - Applied Encryption and Cryptology (3.0)**

*Prerequisites: A minimum grade of B- in CSIT 555 or permission of the instructor.* Introduction to cryptology, the science of making and breaking secret codes. Topics include encryption, cryptanalysis, public and secret key encryption, block ciphers and digital signatures. Classic and modern cryptography and encryption concepts will be introduced as tools and safeguards to be applied, implemented and evaluated in real-world scenarios.

Offered: Spring Semester (Even Years)

#### **CSIT 540 - Human-Computer Interaction (3.0)**

*Prerequisite: CSIT 512 or IT 514 (MS in IT students) or permission of the instructor.* The role of human factors and psychology in usability; interaction and interface design issues; command languages, menus, error messages and response time physical interaction, I/O devices and interaction style and techniques; the design process and user models; interface evaluation; integration of user interfaces with software engineering.

Offered: Spring Semester (Odd Years)

**CSIT 548 - Telecommunications and Networking (3.0)**

Data communications, computer networks and open systems. In-depth review of basic terminology and concepts in telecommunication protocols, transmission techniques, network architecture alternatives, internetworking, circuit and packet switching and telecommunication solutions.

Cross-Listed as: Also offered as CYBR 548

Offered: Both Semesters

**CSIT 555 - Information Systems Security (3.0)**

*Prerequisites: CS 530 or IT 530 and either IT 548 or CS 553, or permission of the instructor.* Technical, operational and managerial issues of computer systems. Threats to computer security including schemes for breaking security, and techniques for detecting and preventing security violations. Emphasis will be on instituting safeguards, examining types of security systems and applying the appropriate level of security for perceived risks.

Offered: Spring Semester

**CSIT 565 - Advanced Database Management Systems (3.0)**

*Prerequisites: CS 519 and CS 530 or CSIT 512 and IT 530*

This course examines advanced data management concepts and technologies. Topics include indexing structures, query processing, transaction management, data security, data warehousing, object-oriented extensions, XML, distributed data management, and recent advances and alternate architectures for Big Data management and processing.

Offered: Fall Semester

**CSIT 575 - Independent Study (1.0 - 3.0)**

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

*Prerequisite:* permission of the chair of the department. A maximum of 6 credits may be applied to a degree program.

Offered: Either Semester

**IT 575 - Independent Study (1.0 - 3.0)**

*Prerequisite: Permission of the instructor.* The study of selected topics in information technology accomplished through readings, problem assignments and projects.

Offered: Either Semester

**ITMG 575 - Independent Study (1.0 - 3.0)**

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

*Prerequisite:* permission of the chair of the department. A maximum of 6 credits may be applied to a degree program.

Offered: Either Semester

**IT 580 - Master's Thesis Preparation (6.0)**

Supervision of the master's thesis. Required of all degree candidates who select the thesis option.

Offered: Either Semester

**IT 581 - Elements of Web Development (3.0)**

*Prerequisite: CSIT 512 or permission of the instructor.* Concepts and techniques associated with creating websites using HTML5, CSS3 and JavaScript. Emphasis on well-formed markup following current Web

standards. Topics include design concepts, structure, navigation, frameworks, graphics using the canvas object.

Offered: Spring Semester (Odd Years)

**IT 582 - User Experience Design (3.0)**

*Prerequisites: IT 581 or permission of instructor* Concepts and techniques of user experience design with emphasis on application to Web Development. Usability and accessibility principles, user analysis, interaction design, information architecture, prototyping and testing, implementation tools and strategies.

Offered: Summer Semester

**IT 585 - Master's Field Work Project (6.0)**

Supervision of the master's field work project. Required of all degree candidates who select the field work project option.

Offered: Either Semester

**CSIT 597 - Curricular Practical Training in CS/IT (1.0 - 3.0)**

*Prerequisite: Completion of 18 credits and permission of the instructor.*

This course is designed to provide computer science and information technology professionals with a working knowledge and practical application of the topics covered in CS, IT and MIT courses. The students will apply current research and accepted practices of CS and IT field in a variety of professional settings and will perform work supervised by both a professional advisor and a Hood advisor. Based on the description for the external position, students will craft an appropriate research/professional plan, in consultation with his/her Hood advisor.

This course will help students synthesize previous concepts and training as they transition to the role of a professional. This 3-credit course counts as an elective toward degree completion.

Offered: Either Semester

**ITMG 597 - Curricular Practical Training in MIS/IT (1.0 - 3.0)**

*Pre-requisite: Completion of 18 credits and permission of the instructor.*

This course is designed to provide computer science and information technology professionals with a working knowledge and practical application of the topics covered in IT and MIS courses. The students will apply current research and accepted practices of MIS/IT field in a variety of professional settings and will perform work supervised by both a professional advisor and a Hood advisor. Based on the description for the external position, students will craft an appropriate research/professional plan, in consultation with his/her Hood advisor. This course will help students synthesize previous concepts and training as they transition to the role of a professional. This 3-credit course counts as an elective toward degree completion.

Offered: Either Semester

**IT 599 - Special Topics (1.0 - 6.0)**

A special topics course may be offered either within a single department or on an interdepartmental basis. The content and methods of such courses depend upon the interests of the faculty and students.

Offered: As Needed

## LEAD - ORGANIZATIONAL LEADERSHIP

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### LEAD 600 - Human Development as a Lifelong Process (4.0)

Prerequisite: Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See COUN 500. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Fall and/or Summer Semester

### LEAD 601 - Seminar in Leadership Theory and Practice (4.0)

This seminar explores the different leadership theories and practices over the years. Topics include not only the historical, sociological, and cultural perspectives on leadership, but also ways of improving leadership effectiveness in organizations. Class members will be required to critically evaluate their own leadership style, analyze the situational and contextual factors of their organizations, and devise strategies to improve their leadership effectiveness.

Offered: Fall Semester

### LEAD 602 - Seminar in Ethics and Leadership (4.0)

This course examines aspects of ethics and leadership in one or more of the following key areas of society: education, religion, the military, corporations, and politics. The focus will be on core principles of conduct and on relevant virtues, such as courage, humility, hope, patience, faith, prudence, and justice. Theory and practice will be analyzed together, as examples will be drawn from important historical episodes, such as the American Founding, the Second World War, and the Civil Rights Movement. Students will gain an understanding of the relation of ends and means, of the meaning of integrity in the workplace, and of the moral demands of leadership.

Offered: Spring Semester

### LEAD 603 - Leading and Managing Human Capital (3.0)

This course examines strategies to effectively lead today's diverse workforce in organizations. Using the latest literature in human resource management, strategies for effectively selecting, retaining, and developing human resources will be explored. Emphasis is placed on the management of human capital within today's legal, ethical, and social environments. This course will utilize case studies from educational, business, and community-based organizations to illustrate the opportunities and challenges of managing human capital.

Offered: Summer Semester

### LEAD 604 - Leadership and Strategic Communication (3.0)

This course examines the role of communication in effective leadership and provides strategies for increasing communication effectiveness. Topics include different communication styles, negotiation strategies, media management, crisis management, electronic communication, and managing interpersonal conflict in organizations.

Offered: Summer Semester

### LEAD 605 - Seminar in Leading Strategic Change and Transformation (4.0)

Prerequisites: LEAD 601 and LEAD 602 or Permission of Instructor

This course examines the leader's role in effectively managing change and transformation. It covers change both from a micro and macro perspective. On the micro level, it examines organizational change and the role leaders play in effectively transforming organizations. On the macro level, it focuses on the role of leadership in promoting social innovation and change.

Offered: Fall Semester

### LEAD 606 - Financial Stewardship for Leaders (3.0)

This course presents financial responsibility and accountability as a moral imperative for leaders. It provides an overview of the effective strategies that leaders should take to be good stewards of their organization's financial resources. Topics include effective budgeting techniques, risk management strategies, debt management strategies, financial transparency, and smart-spending strategies.

Offered: Fall Semester

### LEAD 607 - Leadership, Advocacy and Policy (3.0)

Prerequisites: LEAD 601 and LEAD 602 or Permission of Instructor

This course focuses on policy development at the local, national, and international levels. Given the importance of navigating the political and community landscapes to the creation of a fair and just society, leaders are introduced to the major theories and approaches to policy formulation, implementation, and evaluation. Principles of effective advocacy will be examined through policy advocacies in the fields of human rights, social justice, and economic justice. The role of technology in advocacy and policy is also examined.

Offered: Summer Semester

### LEAD 608 - Sustainable Systemic Leadership (3.0)

Prerequisite: LEAD 601 and LEAD 602. This course centers around the topic of organizational sustainability and embeds this topic within the framework of the triple-bottom line approach. It emphasizes the economic, social, and environmental dimensions of organizational success and challenges leaders to consider organizations within their larger eco-systems. Topics discussed include social responsibility, stakeholder management, issues management, government relations, and community relations.

Offered: Summer Semester

### LEAD 609 - Social & Cultural Foundations of Couns (4.0)

Prerequisite: Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See COUN 502. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Summer Semester

### LEAD 610 - Lifestyle and Career Development (4.0)

Prerequisite: Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See COUN 503. Doctoral candidates must design and conduct a project related to the course. This project will involve either the

candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Summer Semester

**LEAD 611 - Research and Prog Evaluation (4.0)**

Prerequisite: Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See COUN 506. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Fall Semester

**LEAD 612 - Tech for Literacy, Leadership & Learning (4.0)**

Prerequisite: Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See EDUC 502. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Both Semesters and/or Summer

**LEAD 613 - School Law (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See EDUC 513. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Fall and/or Summer Semester

**LEAD 614 - Admin Student Services (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See EDUC 514. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Spring and/or Summer Semester

**LEAD 615 - Trauma & Crisis Interventions (4.0)**

Prerequisite: Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See COUN 507. This course provides the counseling student with an introduction to research, theory, and practice within the field of trauma counseling. The course will cover the historical evolution of the field; biopsychosocial underpinnings of trauma and trauma spectrum disorders; issues in diagnosis, assessment, and intervention from a culturally diverse framework; and a synthesis of best practices as they are currently evolving. Using a developmental and systemic approach, the course will provide a counseling perspective on the knowledge base from the multiple disciplines that contribute to the field of traumatology.

Offered: Summer Semester

**616 616 - Leading and Managing Governing Boards (4.0)**

For nearly four hundred years, Americans have founded numerous private institutions and voluntary associations, uniquely shaping their leadership and governance practices. Today, both nonprofit and for-profit organizations make significant contributions to society and the economy. This course examines the purpose, architecture and effectiveness of governing boards, both in nonprofit and in for-profit organizations.

Offered: As Needed

**LEAD 620 - Qualitative Research in Social Sciences-Theory and Design (3.0)**

This course introduces students to the theories and techniques of qualitative enquiry including research design approaches, data collection strategies, data analysis techniques, evaluation tools, and presentation of results. Emphasis is given to the use of qualitative research as a decision-making and problem-solving tool. The legal and ethical ramifications of research are also emphasized.

Offered: Fall Semester

**LEAD 621 - Statistical Methods for Social Science Research: Design and Analysis (3.0)**

*Prerequisites: LEAD 601 and LEAD 620.* This course presents an overview of social science research and presents the most popular quantitative data analytical techniques. Covers topics include analysis of variance, analysis of covariance, discriminant analysis, multiple regression, factorial analysis, and correlational analysis. Remedies for validity threats such as multicollinearity and heteroscedasticity, are addressed.

Offered: Spring Semester

**LEAD 622 - Evidence-Based Theory, Research & Application (3.0)**

*Prerequisite: LEAD 621 or Permission of Instructor*

This course presents the fundamentals of evidence-based management theory, research, and application for improving organizational effectiveness and efficiency. Using the principles of organizational/earning, knowledge management, organizational memory, balanced scorecard, and competitive benchmarking analysis, managers learn to rethink their approaches to data, information, and decision-making in organizations.

Offered: Fall Semester

**LEAD 624 - Advanced Data Analytics with R (4.0)**

Prerequisite: Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See ITMG 524.

The Advanced Data Analytics with R course introduces advanced concepts and techniques to discovering patterns in data and business data, identifying variables with the most predictive power, and developing and assessing predictive models using R. The course combines statistics, theoretical knowledge of various data mining techniques, and applied data analytics. Students implement these techniques in R and use their understanding of the theoretical knowledge to interpret and analyze results produced in R.

Offered: Spring Semester

**LEAD 630 - Dissertation I: Theoretical Framework (4.0)**

*Prerequisite: LEAD 622 or Permission of Instructor*

The purpose of this course is to enable students to develop the theoretical model that underlies their dissertation study. This is a research and reading intensive course where highly independent work is expected and required. Emphasis is placed on the formulation of the research problem, review of the literature, analysis and evaluation of benchmarking studies, and development of the theoretical model.

Offered: Spring Semester

**LEAD 631 - Dissertation II: Proposal Defense (4.0)**

*Prerequisite: LEAD 630 or Permission of Instructor*

The purpose of this course is to enable students to operationalize the theoretical model of their dissertation project into an empirical model. The course prepares the doctoral student for the dissertation proposal defense. Emphasis is placed on choosing the appropriate research design, instrumentation, setting and participants, pilot study, and data analysis methods.

Offered: Summer Semester

**LEAD 631A - Proposal Support Course (1.0)**

*Prerequisite: LEAD 630*

The dissertation proposal support course provides the added time, structure and content for candidates to successfully defend, revise and upload the finished proposal and accompanying IRB documents to Chalk and Wire. The doctoral candidate must enroll in the course until the IP is removed from LEAD 631. The candidate has one semester after the end of LEAD 631 to defend and upload the final proposal. After that time, the candidate will enroll in LEAD 631A until the proposal is defended, revised and uploaded to Chalk and Wire. The candidate pays tuition for one credit doctoral course plus comprehensive fee each semester.

Offered: As Needed

**LEAD 632 - Dissertation III: Research Study Defense (4.0)**

*Prerequisite: LEAD 631 or Permission of Instructor*

This is the third course in the dissertation sequence of classes in the doctoral program. It requires students to collect data regarding their dissertation study, analyze it, and present results to the partner organization and to the doctoral dissertation committee. Students will complete the dissertation paper and present it in the appropriate format to the committee. Students will also orally defend their dissertation project.

Offered: Summer Semester

**LEAD 632A - Dissertation Support (1.0)**

*Prerequisite: LEAD 631*

The Dissertation Support Course provides the added time, structure and content for candidates to defend, revise and upload the finished Dissertation to MD-SOAR and ProQuest. the doctoral candidate must enroll in the course until the IP is removed from LEAD 632. The candidate should defend in summer or fall of Year III. After that time, the candidate will enroll in this course until the dissertation is defended and uploaded. The candidate pays tuition for one plus the comprehensive fee each semester.

Offered: As Needed

**LEAD 651 - Financial Statement Analysis (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See

MGMT 581. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience

Offered: Spring Semester

**LEAD 652 - Negotiation & Conflict Resolution (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See MGMT 582. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience

Offered: Fall and/or Summer Semester

**LEAD 660 - Managerial Economics (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See ECON 560. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Both Semesters

**LEAD 662 - Financial & Managerial Accounting (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See MGMT 562. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Fall and/or Summer Semester

**LEAD 663 - Marketing Management (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See MGMT 563. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Spring and/or Summer Semester

**LEAD 665 - International Management (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See MGMT 565. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Spring and/or Summer Semester

**LEAD 666 - Information Management & Technology (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See MGMT 566. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Fall and/or Summer Semester

**LEAD 668 - Accounting Information Systems (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See MGMT 568. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Spring Semester (Even Years)

**LEAD 669 - Project Management (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See MGMT 569. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Spring Semester

**LEAD 670 - Marketing Analysis for Managers (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See MGMT 570. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Fall and/or Summer Semester

**LEAD 672 - Supply Chain Mgmt (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See MGMT 572. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Spring Semester (Odd Years)

**LEAD 675 - Independent Study (4.0)**

*Pre-requisites: Permission of Instructor and Doctoral Program Director*  
Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms. A maximum of 8 credits may be applied to the degree program.

Offered: Summer Semester

**LEAD 676 - Advanced Financial Management (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See MGMT 576. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Fall and/or Summer Semester

**LEAD 677 - Portfolio and Investment Management (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See MGMT 577. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Spring and/or Summer Semester

**LEAD 678 - International Financial Management (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See ECMG 578. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Spring Semester

**LEAD 680 - Strategic Cost Management (4.0)**

Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See MGMT 580. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Fall Semester

**LEAD 681 - Research-Based Tchng,Lrng,Assessment (4.0)**

*Prerequisite:* Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See EDUC 581. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Both Semesters and/or Summer

**LEAD 682 - Educational Philosophy in a Diverse Soc (4.0)**

*Prerequisite:* Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See EDUC 582. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Both Semesters and/or Summer

#### **LEAD 684 - Systemic Change Proc/Sch Improvement (4.0)**

Prerequisite: Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See EDUC 584. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Fall and/or Summer Semester

#### **LEAD 686 - Principles of Educational Supervision (4.0)**

Prerequisite: Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director. See EDUC 586. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience.

Offered: Spring and/or Summer Semester

#### **LEAD 687 - Public Administration (4.0)**

*Prerequisites: Open to students admitted to the doctoral program in Organizational Leadership with approval of the adviser and Program Director.*

See MGMT 587. Doctoral candidates must design and conduct a project related to the course. This project will involve either the candidate's employer or a local organization and have as their goal to help inform the candidate concerning the ultimate subject of his/her research-based capstone experience

Offered: Fall Semester

#### **LEAD 690 - Strategy & Competitive Advantage (4.0)**

This capstone course integrates the concept of competitive advantage and the functional disciplines of businesses using cases, seminar-presentations and a comprehensive strategic management project. It emphasizes the importance of maintaining strategic fit in changing macro industry, and global environments. Students are challenged to solve comprehensive management problems at the strategic level of the organization.

Offered: Both Semesters

#### **LEAD 699 - Special Topics in Org. Leadership (4.0)**

The study of selected topics and issues that are of interest to doctoral students in Organizational Leadership. Issues and topics will be examined from the perspective of specialists within the discipline. Students will participate in readings, discussions and complete projects with a research component.

Offered: Spring Semester (As Needed)

## **LIT - LITERARY STUDIES**

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#### **LIT 501 - Literary Studies Proseminar: Tragedy, Ideology, and the Tradition of Literary Criticism (3.0)**

An investigation into the discipline of literary studies. A seminar problem will be the basis for questions related to literary history, theory, and methodology. Possible topics are The Question of Genre: Theories of Tragedy; Narratology: Cervantes and Nabokov; Intertextuality: Shakespeare's *Tempest* and its Cultural Ramifications.

Offered: Spring Semester (Odd Years)

## **MATH - MATHEMATICS**

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#### **MATH 500 - Statistics (3.0)**

Basic statistical methods as they apply to education and other fields. Topics include frequency distributions and their representations, measures of central tendency and dispersion, elementary probability, statistical sampling theory, testing hypotheses, non-parametric methods, linear regression, correlation, and analysis of variance.

Offered: Fall and/or Summer Semester

#### **MATH 501 - Explorations in Geometry (3.0)**

A look at basic geometry from a more sophisticated point of view, including more advanced Euclidean and non-Euclidean geometries. Topics covered may include analytic geometry, spherical geometry, hyperbolic geometry, fractal geometry, transformational geometry. Labs in Geometer's Sketchpad will be an integral part of the course.

Offered: Spring Semester (Odd Years)

#### **MATH 502 - Explorations in Algebra (3.0)**

*Prerequisites: MATH 505 or equivalent.* An introduction to the number theory and modern algebra topics that underlie the arithmetic and algebra taught in school. The focus is on collaborative learning, communication, and the appropriate use of technology, as well as on a deep understanding of algebraic theory.

Offered: Spring Semester (Even Years)

#### **MATH 503 - Explorations in Calculus (3.0)**

*Prerequisite: MATH 505 or permission from instructor.* Concepts and applications of calculus that are important in middle school mathematics: sequences and series, functions, rates of change, curve sketching, area. The connection to middle school mathematics is central: students will use middle school math curricula and find the calculus behind the ideas. No previous calculus experience required.

Offered: Summer/Every 4 Years/Even Years

#### **MATH 504 - Explorations in Secondary School Mathematics (3.0)**

*Prerequisite: MATH 505 or permission from instructor.* This course bridges the gap between the mathematics studied in college and that taught in middle and high school, in order to help teachers facilitate mathematical understanding in their students. Topics are drawn from many areas of mathematics, including algebra, geometry, number theory and trigonometry. The course is based on student exploration and

problem-solving, on multiple approaches to problems, and the use of technology.

Offered: Summer/Every 4 Years/Even Years

### **MATH 505 - Discrete Math (3.0)**

Introduction to the basic mathematical structures and methods used to solve problems that are inherently finite in nature. Topics include logic, Boolean algebra, sets, relations, functions, matrices, induction and elementary recursion, and introductory treatments of combinatorics and graph theory.

Offered: Fall Semester

### **MATH 507 - Introduction to Graph Theory (3.0)**

*Prerequisites: MATH 505, and enrollment in the High School Track of the MS in Mathematics Education program or an undergraduate degree in mathematics, or permission of the instructor.* A rigorous study of the theory of graphs, including simple and directed graphs, circuits, graph algorithms, connectedness, planarity, and coloring problems.

Cross-Listed as: Double-numbered course; offered with undergraduate-level MATH 407

Offered: Spring Semester (Odd Years)

### **MATH 509 - Elementary Number Theory (3.0)**

*Prerequisites: MATH 505, and enrollment in the High School Track of the MS in Mathematics Education program or an undergraduate degree in mathematics, or permission of the instructor.* An introduction to the theory of numbers: divisibility, prime numbers, unique factorization, congruences, Euler's phi-function, Fermat's and Wilson's theorems, multiplicative functions, quadratic reciprocity, perfect numbers, and applications to Diophantine equations. Applications include public-key cryptography and integer arithmetic.

Cross-Listed as: Double-numbered course; offered with undergraduate-level MATH 409

Offered: Fall Semester (Odd Years)

### **MATH 520 - Mathematical Modeling for Teachers (3.0)**

*Prerequisite: MATH 505 or permission from instructor.* An introduction to mathematical models: continuous and discrete, deterministic and stochastic. We will use software and will focus on active modeling and collaborative learning.

Offered: Summer/Every 4 years/Odd Years

### **EDMA 530 - Mathematics Education Leadership I (3.0)**

This course examines current research and accepted practices in mathematics leadership. It looks into general topics in leadership and explores leadership specific to mathematics education. Participants gain knowledge and skill as they plan for their future development as a leader in mathematics.

Offered: Summer Semester

### **EDMA 531 - Mathematics Education Leadership II: Practicum (3.0)**

*Prerequisites: EDMA 530*

This course follows up the topics of Mathematics Education Leadership I, having participants apply current research and accepted practices in mathematics leadership in a 37.5 hour supervised practicum. Participants will work with a range of students and adult learners in a variety of professional development settings. This is a hybrid course with 34% of

the coursework to be face-to-face, 33% of the coursework to be on-line via Blackboard, and 33% to be in a supervised practicum.

Offered: Fall Semester

### **MATH 570 - History of Mathematics (3.0)**

*Prerequisite: MATH 505 or permission of instructor.* Study of the origins and evolution of basic ideas of arithmetic, geometry, and algebra. Racial and gender barriers to entry into the field will be subjected to historical scrutiny. Particular attention will be devoted to mathematical practices in the United States over the last 250 years.

Offered: Summer/Every 4 Years/Odd Years

### **MATH 575 - Independent Study (1.0 - 3.0)**

Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

*Prerequisite: permission of the chair of the department.* A maximum of 6 credits may be applied to a degree program. (1-3 credits per independent study)

Offered: Either Semester

### **EDMA 579 - Capstone Project (3.0)**

*Prerequisites: Completion of 21 credits in the M.S. in Mathematics Education program.* Each project will focus on an idea that links mathematics to its teaching and learning. Independent reading and study, reflection, writing, and possible action research. The capstone is assigned a letter grade, which will reflect not only the quality of the final product, but also the student's performance throughout the project.

Offered: Either Semester

### **MATH 599 - Special Topics (3.0)**

Rotating topics, offered in the summer

Offered: Summer Semester (As Needed)

### **MATH 599B - Special Topic: Explorations in Calculus (3.0)**

*Prerequisite: MATH 505.*

Concepts and applications of calculus that are important in middle school mathematics: sequences and series, functions, rates of change, curve sketching, area. The connection to middle school mathematics is central: students will use middle school math curricula and find the calculus behind the ideas. No previous calculus experience required!

Offered: As Needed

## **PHIL - PHILOSOPHY**

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### **PLRL 501 - Philosophy and Religion Proseminar (3.0)**

This course introduces students to the study of philosophy and religion at the graduate level. Examining a central theme in philosophical and/or religious traditions from various historical periods or cultures, it explores key theories and research methodologies in the field.

Offered: Spring Semester (Even Years)

### **PHIL 505 - Great Figures in Western Political Thought (3.0)**

An introduction to the philosophical works of a major figure or a group of closely related thinkers in the history of philosophy. This course introduces students to the philosophical texts and ideas of an important historical figure or figures and discusses the significance of these ideas to



the Western philosophical tradition. Students may repeat when a study of a different figure is offered.

Offered: As Needed

## **PSCI - POLITICAL SCIENCE**

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### **PSCI 500 - Government in Contemporary Society (3.0)**

The relationship of the individual to government. The political situation in the United States.

Offered: As needed

### **PSCI 505 - Civil Liberties (3.0)**

*Prerequisite: Permission of the department.* The theory and history underlying civil liberties in contemporary American culture. Cases and readings. Freedom of expression and association, freedom of religion, fair trial, rights of the accused.

Cross-Listed as: Double-numbered course; offered with undergraduate-level PSCI 405

Offered: Fall Semester

### **PSCI 507 - American Constitutional Law (3.0)**

The powers of the state and national governments as interpreted by leading decisions of the Supreme Court of the United States. The development of modern constitutional doctrines.

Offered: Fall Semester

### **ECPS 514 - Environmental Policy (3.0)**

This is a comparative course on the making and implementing of environmental policies in developed and developing countries. The focus is on the evolution of environmental policy making and on the problems associated with implementing environmental policies in different political and institutional contexts.

Cross-Listed as: Double-numbered course; offered with undergraduate-level ECPS 414

Offered: Spring Semester (Even Years)

### **PSCI 575 - Independent Study (1.0 - 3.0)**

*Prerequisite: Permission of the chair of the department. A maximum of 6 credits may be applied to a degree program.* Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

Offered: Either Semester

### **PSCI 585 - Master's Field Work Project (6.0)**

Supervision of the master's field work project. Required of all degree candidates who select the field work project option.

Offered: Either Semester

### **PSCI 595 - Independent Research Project (3.0)**

A basic or applied research project. A written report of the project results is required to be submitted to the instructor at the end of the project. Evidence of an approved topic with a signed Permission to Enroll Form must be submitted to the Graduate School at the time of registration.

Offered: Either Semester

## **PSY - PSYCHOLOGY**

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### **PSY 500 - Human Development as a Lifelong Process (3.0)**

Issues, theories, stages, tasks, and biological and environmental determinants are considered as they apply to physical, language, cognitive, learning, social, moral, and personality development. A basic human sciences course.

Cross-Listed as: Also offered as COUN 500

Offered: Fall Semester and/or Summer

### **PSY 501 - Theories of Personality (3.0)**

An overview of the different approaches to the understanding of the personality. Emphasis is placed on the normal personality.

Offered: Fall Semester

### **PSY 505 - Social Psychology: A Survey (3.0)**

The scientific study of the social behavior of individuals as they interact with other individuals. Topics include: perception of others, affiliation, interpersonal attraction, aggression, small group dynamics, leadership, conformity, conflict, group decision making, altruism, attitude formation and change. A basic human sciences course.

Offered: Spring Semester

### **PSY 511 - Theories and Principles of Counseling (3.0)**

Introduction to the literature and leading theoretical approaches to counseling with emphasis on philosophical assumptions and theories of personality that underlie counseling goals and intervention techniques applicable to various client needs.

Cross-Listed as: Also offered as COUN 511

Offered: Both Semesters

### **PSY 531 - Diagnosis & Psychopathology (3.0)**

The origins, symptoms and methods of treatment of the principal forms of abnormal behavior, with illustrative case material. Social as well as clinical aspects of individual psychological problems are considered.

Cross-Listed as: Also offered as COUN 531

Offered: Spring Semester

### **PSY 534 - Tests and Measurements (3.0)**

A study of the testing movement, including fundamental psychometric principles. Emphasizes the use of tests in counseling practice. Observation and participation in individual and group testing.

Cross-Listed as: Also offered as COUN 534.

Offered: Spring Semester

### **PSY 575 - Independent Study (1.0 - 3.0)**

*Prerequisite: permission of the program director. A maximum of 6 credits may be applied to a degree program.* Reading and/or research in a selected field. An approved title for the independent study must be submitted with the registration forms.

Offered: Either Semester

### **PSY 580 - Master's Thesis Preparation (6.0)**

The master's thesis should exhibit those qualities that are associated with genuine research: scholarship, logical consistency, creativity and comprehensiveness. The student should submit, in writing, a tentative

thesis proposal. After official approval, the student will be registered and may begin work on the thesis.

Offered: Either Semester

**PSY 585 - Master's Field Work Project (6.0)**

Supervision of the master's field work project. Required of all degree candidates who select the field work project option.

Offered: Either Semester

**PSY 590 - Teaching Assistantship (1.0 - 3.0)**

*Prerequisites: By invitation of the department.* A teaching practicum for advanced Human Sciences students with regularly scheduled hours assisting in selected undergraduate psychology courses. Hours will include regular consultations with course instructor regarding teaching experiences, methods and issues. Grading will be on a satisfactory/unsatisfactory basis.

Offered: Either Semester

**PSY 595 - Independent Research Project (3.0)**

*Prerequisite: Permission of the instructor.* A basic or applied research project involving extended independent work and emphasizing principles of experimental research design. A written report must be submitted at the end of the project. Evidence of an approved topic with a signed Permission to Enroll Form must be submitted to the Graduate School at the time of registration.

Offered: Either Semester

**PSY 597 - Internship for Human Behavior (1.0 - 6.0)**

*Prerequisites: Completion of 18 credits and permission of instructor.* A learning experience with an appropriate organization to provide practical application of the topics covered in ISHB courses and electives. The students will apply current research and accepted practices in a professional setting and will perform work supervised by both a professional advisor and Hood advisor. The student is responsible for developing appropriate work projects, and each must meet department guidelines and be approved. At least 40 hours of work will be completed for each credit.

Offered: Offered As Needed

**PSY 598 - Special Topics (3.0)**

An opportunity for a group of students to explore current topics in psychology as suggested by their special interests, and those of the faculty, but not included in the regular course offerings.

Offered: Either Semester

## REL - RELIGION

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**PLRL 501 - Philosophy and Religion Proseminar (3.0)**

This course introduces students to the study of philosophy and religion at the graduate level. Examining a central theme in philosophical and/or religious traditions from various historical periods or cultures, it explores key theories and research methodologies in the field.

Offered: Spring Semester (Even Years)

**PLRL 570 - Seminar in Religion and Philosophy (3.0)**

Advanced study of special topics in religion or philosophy. May be repeated once under a different topic.

Cross-Listed as: Double-numbered course; offered with undergraduate-level PLRL 470

Offered: As Needed

## SPAN - SPANISH

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**SPAN 590 - Teaching Assistantship in Spanish (1.0 - 3.0)**

*Prerequisites: Open to graduate students enrolled in the Master in Humanities program who have completed five courses in Spanish at the 200 level or above. Departmental permission required.* A teaching practicum for advanced Spanish students with regularly scheduled hours assisting in selected lower-level Spanish courses. Hours will include regular consultations with course instructor regarding teaching experiences, methods, and content. Grading is on a satisfactory/unsatisfactory basis.

Offered: Either Semester

## THAN - THANATOLOGY

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**THAN 521 - Grief, Mourning and Bereavement (3.0)**

An in-depth study of mourning and the grief process. Explores all aspects of theories of grief in natural and accidental death as well as special losses, suicide, prenatal death, still birth, murder, etc. differentiating between normal and complicated grief.

Cross-Listed as: Also offered as COUN 521.

Offered: Fall Semester

**THAN 523 - Principles of Thanatology (3.0)**

Overview of major themes and attitudes of death and grief included in theories, process models, death trajectories, and death systems. Explore roles of palliative care and hospice in the dying process to understand the experience of an "appropriate death".

Cross-Listed as: Also offered as COUN 523.

Offered: Fall Semester

**THAN 528 - Developmental Perspectives in Thanatology (3.0)**

An examination of death, dying, and bereavement at different stages of life. A survey of the important moments in the life cycle when death confronts us as human beings, how we can learn to appreciate the significance and value of such varied approaches and understandings.

Cross-Listed as: Also offered as COUN 528.

Offered: Spring Semester

**THAN 529 - Historical and Multicultural Perspectives in Thanatology (3.0)**

The study of three areas in the field of thanatology: 1) The role played by death in Western history. 2) Egypt as a death culture. 3) A study of how death and bereavement are experienced across cultures, ethnic groups, and religions around the world.

Cross-Listed as: Also offered as COUN 529.

Offered: Spring Semester

# DIRECTORY

## FACULTY

William Allen, NEH/Libman Assistant Professor; B.A., Emory University; M.A., Georgia State University; Ph.D., The University of Memphis (2020)

Emilie Amt, Hildegard Pilgram Professor of History; B.A., Swarthmore College; Ph.D., University of Oxford (1998)

Mary Jo Anderson, Assistant Professor of Economics and Business Administration and Director of the Graduate Project Management Program; B.S. West Virginia University; MBA, Wright State University; D.M., University of Maryland University College (2019)

Judith Anglin, Visiting Associate Professor and Director of Graduate Nutrition Programs; B.S., M.S., Ph.D., Howard University (2020)

Eric Annis, Associate Professor of Biology, B.A., Boston University; M.S., Florida Institute of Technology; Ph.D., University of Maine (2008)

Elizabeth A. Atwood, Associate Professor of Journalism; B.S., West Virginia University; M.A., University of Virginia; Ph.D., University of Maryland (2010)

Kathleen Bands, Professor of Education and Director of the Doctorate in Organizational Leadership Program; B.S., M.Ed., University of North Carolina; Ph.D., University of Maryland (1984)

Martha Bari, Assistant Professor of Art; B.A., The George Washington University; M.A., Ph.D., University of Maryland (1984)

Teresa Bean, Assistant Professor of Law and Criminal Justice, B.A., Hood College, J.D., Washington College of Law, American University (2015)

Kevin H. Bennett, Professor of Chemistry; B.S., James Madison University; Ph.D., University of Tennessee (2000)

April M. Boulton, Dean of the Graduate School and Associate Professor of Biology; B.S., Centre College; M.S., Bucknell University; Ph.D., University of California, Davis (2003)

Ann L. Boyd, Professor of Biology and Director of the Graduate Biomedical Science Program; B.S., M.S., Northwestern State University; Ph.D., Louisiana State University (1976)

Joseph T. Brady, Assistant Professor of Theater; B.S., Towson University; MFA, Brooklyn College (2008)

Catherine Breneman, Assistant Professor of Social Work; B.S., University of Pittsburgh; MSW, West Virginia University; Ph.D., University of Pittsburgh (2020)

Kristine Calo, Associate Professor of Education and Director of the Graduate Curriculum and Instruction Program; B.A., DePauw University; M.A., DePaul University; Ph.D., George Mason University (2008)

Andrew Campbell, Assistant Professor of Psychology and Counseling and Director of the Graduate Counseling Program, B.A., University of Michigan; M.S., University of Pennsylvania; Ph.D., The George Washington University (2015)

Corey Campion, Associate Professor of History and Global Studies and Director of the Graduate Humanities Program; B.A., Washington State University; M.A., Ph.D., Georgetown University (2011)

Susan L. Carney, Associate Professor of Biology and Director of the Graduate Environmental Biology Program; B.S., Muhlenberg College; Ph.D., The Pennsylvania State University (2008)

Robert Casas Roigé, Assistant Professor of Spanish; B.A., Universitat Autònoma de Barcelona; M.A., Ph.D., Stanford University (2017)

Ashish Chakradhar, Assistant Professor of Chemistry; B.S., Minnesota State University Moorhead; Ph.D., North Dakota State University (2018)

James Cherry, Assistant Professor of Biology; B.S., Shepherd University; M.S., Johns Hopkins University; Ph.D., The Catholic University of America (2019)

Jennifer Cooper, Assistant Professor of Nursing; BSN, Cedarville University; , Rush University; D.N.P., The George Washington University (2016)

Didier Course, Professor of French; Licence, Maîtrise, Université de Nancy; Ph.D., University of Pittsburgh (1995)

Jennifer Cuddapah, Associate Professor of Education; B.A., M.Ed., Boston College, M.S., The Johns Hopkins University; Ed.D., Teachers College Columbia University (2012)

Gary E. Cuddington, Assistant Professor of Art; BFA, Kendall College of Art and Design; MFA, Rutgers University (2012)

Miranda M. Darby, Assistant Professor of Bioinformatics and Director of the Graduate Bioinformatics Program; B.A., Carlton College; Ph.D., Johns Hopkins University (2017)

George Dimitoglou, Associate Professor of Computer Science, and Director of the Graduate Cybersecurity Program; B.S., Temple University; M.S., University of Maryland; D.Sc., The George Washington University (2004)

Trevor Dodman, Associate Professor of English; A.B., Dartmouth College; M.A., Carleton University; Ph.D., Boston College (2009)

Aijuan Dong, Associate Professor of Computer Science; B.S., M.S., Changehun University of Earth Science; M.S., Minnesota State University; Ph.D., North Dakota State University (2006)

Cynthia Drenovsky, Visiting Assistant Professor of Sociology; B.S., Western Michigan University, M.A., Ph.D., Washington State University (2019)

Paige Eager, Professor of Political Science and Director of the Center for Global and International Studies; B.A., M.A., Ph.D., University of Delaware (2005)

Susan Ensel, Whitaker Professor of Chemistry; B.S., Union College; Ph.D., The Pennsylvania State University (1995)

Kathy F. Falkenstein, Associate Professor of Biology; B.A., Gettysburg College; M.S., West Virginia University; Ph.D., The Pennsylvania State University (1981)

Ingrid G. Farreras, Professor of Psychology; B.A., Clark University; M.A., MST., Ph.D., University of New Hampshire (2002)

M. Drew Ferrier, Professor of Biology and Director of Coastal Studies Program; B.A., Washington and Jefferson College; M.A., Miami University, Ohio; Ph.D., University of Maryland (1993)

Allen P. Flora, Professor of Physics and Chair of the Department of Chemistry and Physics; B.A., Bridgewater College; Ph.D., University of Virginia (1983)

Alan Goldenbach, Assistant Professor of Journalism, B.A., University of Michigan; M.A., University of Maryland (2015)

Amy Gottfried, Professor of English; B.A., M.A., Syracuse University; Ph.D., Tufts University (1998)

Diane Graves, Associate Professor of Psychology and Director of the Graduate Interdisciplinary Studies in Human Behavior Program; B.A., Brown University; Ph.D., University of Washington (2011)

Christy D. Graybeal, Associate Professor of Education, Chair of the Department of Education and Director of the Graduate Mathematics Education Program; B.S., Moravian College; M.S., American University; Ph.D., University of Maryland (2008)

Michelle R. Gricus, Assistant Professor of Social Work; B.A., College of St. Benedict; M.A., University of Houston (2017)

Rebecca Grove, Assistant Professor of Education and Director of the Graduate Multidisciplinary Studies Programs; B.A., Elizabethtown College; M.A., Lehigh University; Ph.D., University of Maryland (2016)

David Gurzick, Associate Professor of Economics and Management and Chair of the Department of Economics and Business Administration; B.S., Frostburg State University; M.S., Hood College; Ph.D., University of Maryland Baltimore County (2006)

Jay Harrison, Associate Professor of History and Chair of the Department of History, B.A., University of Missouri; M.A., Ph.D., The Catholic University of America (2015)

Joseph Haymore, Assistant Professor of Nursing; BSN, Georgetown University; D.N.P., University of Maryland, Baltimore (2019)

Suzanne Hiller, Assistant Professor of Education; B.A., University of Mary Washington; M.Ed., Loyola University; Ph.D., George Mason University (2017)

Ricky Hirschhorn, Professor of Biology; B.A., University of Rochester; Ph.D., University of Pittsburgh (1992)

David R. Hixson, Visiting Assistant Professor of Art and Archaeology; B.A., University of Illinois at Urbana-Champaign; M.A., Ph.D., Tulane University (2017)

Karen D. Hoffman, Professor of Philosophy, Chair of the Department of Philosophy and Religious Studies and Co-Director of the Honors Program; B.A., Hendrix College; M.A., Baylor University; Ph.D., Saint Louis University (2001)

James Hua, Assistant Professor of Accounting; B.E., Southeast University, Japan; M.E., Ph.D., Morgan State University (2017)

Carol Jim, Assistant Professor of Computer Science and Director of the Graduate Management Information Systems Program; B.A., M.S., Hood College; Ph.D., The George Washington University (2017)

Anita Jose, Professor of Management; B.A., Gandhiji University; M.M., MBA, University of Dallas; Ph.D., University of North Texas (1994)

Janak Joshi, Visiting Assistant Professor of Economics; B.A., M.A., Tribhuvan University; M.A., Ph.D., University of New Mexico (2019)

Janis Judson, Professor of Political Science, Chair of the Department of Law and Criminal Justice; B.A., M.A., Ph.D., University of Maryland (1984)

Shannon Kakkar, Assistant Professor of Counseling; B.S., M.Ed., Bridgewater State University; Ph.D., Pennsylvania State University (2019)

Jamie Keaton Jones, Visiting Assistant Professor of Social Work; B.A., New York University; M.A., Fordham University (2019)

Linda Kennedy, Assistant Professor of Nursing, Chair of the Department of Nursing and Director of the BSN program; BSN, University of Wisconsin; , Marquette University; Ph.D., Capella University (2018)

Daehwan Kim, Assistant Professor of Biology and the ENnovation-Hodson Endowed Chair in Advanced Bioproducts Research and Education; B.S., Korea University; M.S., Yonsei University; Ph.D., Purdue University (2018)

Sang Kim, Associate Professor of Economics and Management; B.S., Ph.D., The Pennsylvania State University (2001)

Eric C. Kindahl, Associate Professor of Biology; B.S., Massachusetts Institute of Technology; Ph.D., Cornell University (1998)

Elizabeth Knapp, Associate Professor of English; B.A., Amherst College; MFA, The Bennington Writing Seminars; Ph.D., Western Michigan University (2008)

Ellen Garfinkel Koitz, Giles Associate Professor of Education and Director of the Graduate Reading Specialization Program; A.B., Catawba College; M.Ed., University of Georgia; Ed.D., University of Virginia (1985)

Simone Kolysh, Assistant Professor of Sociology; B.A., MPH., New York University; M.A., Brooklyn College; MPhil, Ph.D., The City University of New York (2020)

Shannon Kunday, Professor of Psychology and Chair of the Department of Psychology and Counseling; B.A., Wesleyan College; M.S., M.Phil., Yale University; Ph.D., Kent State University (2008)

Craig S. Laufer, Professor of Biology, Co-Chair of the Department of Biology, and Co-Director of the Honors Program; B.S., University of Maryland; Ph.D., Kent State University (1988)

Dana Lawrence, Associate Professor of Chemistry; B.A., Jacksonville University; Ph.D., Florida State University (2005)

Jiang Li, Assistant Professor of Computer Science; B.S., M.S., University of Science and Technology of China; M.S., Ph.D., State University of New York at Buffalo (2018)

Tianning Li, Associate Professor of Finance and Director of the Graduate MBA Program; B.S., Dalian University of Technology; M.S., Marshall University; Ph.D., University of Tennessee (2009)

Xinlian Liu, Associate Professor of Computer Science and Director of the Graduate Computer Science Program; B.E., Huazhong University of Science and Technology; Ph.D., Louisiana State University (2003)

Yulu Cherry Liu, Assistant Professor of Biology; B.S., Ph.D., University of Toronto (2020)

Elizabeth Mackessey-Lloyd, Assistant Professor of Nursing; B.S., St. Joseph's College; M.A. Trinity College; MSN, University of Maryland, Baltimore; DNP, University of Alabama (2019)

Sara Malec, Assistant Professor of Mathematics; B.S., University of Wisconsin-Madison; M.S., Ph.D., Georgia State University (2015)

- Lisa Algazi Marcus, Professor of French; B.A., Hollins College; M.A., Ph.D., Stanford University (1994)
- Terry Martin, Associate Professor of Psychology; B.A., M.A., Hood College; Ph.D., University of Maryland (1979)
- Chaz Martinsen, Visiting Assistant Professor and Director of the Graduate Ceramic Arts Programs, B.A., San Diego State University; MFA, California State University (2020)
- Heather Mitchell-Buck, Associate Professor of English and Director of First-Year Seminar; B.A., Rutgers University; Ph.D., Duke University (2011)
- Laura M. Moore, Andrew G. Truxal Associate Professor of Sociology and Chair of the Department of Sociology and Social Work; B.D. Louisiana State University School of Architecture; M.A., Ph.D., University of Maryland, College Park (2003)
- Molly B. Moreland, Assistant Professor of Cognitive Psychology; B.A., San Diego State University, M.A., Ph.D., University of California (2017)
- April Morris, Associate Professor of Art; B.A., Hood College, M.A., Southern Methodist University; Ph.D. The University of Texas at Austin (2015)
- Janie J.C. O'Neal, Instructor in English; B.A., Binghamton University; M.L.S., University of Maryland (2011)
- Katherine Orloff, Associate Professor of Journalism; B.A., M.A., University of California, Los Angeles (2008)
- Nicholas Owad, Assistant Professor of Mathematics; B.S., Kutztown University of Pennsylvania; M.S., Ph.D., University of Nebraska-Lincoln (2020)
- James Parson, Associate Professor of Mathematics and Chair of the Department of Mathematics; B.A., Harvard University; Ph.D., Princeton University (2008)
- William Pierce, Assistant Professor of Computer Science; BME, Shenandoah Conservatory of Music; M.S., Hood College (1993)
- Scott Pincikowski, Professor of German and Director of Study Abroad; B.A., M.A., University of Wisconsin Parkside; Ph.D., The Pennsylvania State University (2001)
- Katherine M. Robiadek, Assistant Professor of Political Science and Director of the Martha E. Church Center for Community Engagement; B.A., Michigan State University; M.A., Ph.D., University of Wisconsin-Madison (2020)
- Carin Robinson, Associate Professor of Political Science; B.A., Bethel University; M.A., The George Washington University; Ph.D., Georgetown University (2009)
- Jennifer Ross, Professor of Art and Archaeology and Chair of the Department of Art and Archaeology; A.B., Bryn Mawr College; M.A., Ph.D., University of California at Berkeley (1999)
- Ryan Safner, Assistant Professor of Economics; B.A., University of Connecticut; M.A., Ph.D., George Mason University (2016)
- Ahmed Salem, Associate Professor of Computer Science, Chair of the Department of Computer Science and Information Technology, and Director of the Graduate Information Technology Program; B.S., Higher Technological Institute-Egypt; M.S., Ph.D., University of Louisville (2006)
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Lisa Copenhaver, B.A., M.S., Director of Student Success

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Gretchen Nonemaker, B.A., M.S., Student Success Coach

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Elfie Chang, B.A., MLIS, Collection Development Services Librarian

Ginny Cuff, B.A., MLIS, Access Services Tech

Marcella Genz, A.B., MLIS., Ph.D., Reference and Education Services Librarian



Janet Kalinowski, B.A., M.A., Interlibrary Loan and Access Services Manager

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Taylor Pasquale, MFA, Ceramic Arts Technical Coordinator

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Christina Orcutt, B.S., M.S., Department Assistant

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Kerri Eyler, A.A., Administrative Assistant for Faculty

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Hilary Stipelman, B.A., M.S., Administrative Assistant for Faculty

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Tanith Fowler Corsi, B.A., M.A., Director of Graduate Admissions

Susan Kowalski, Executive Assistant to the Graduate Dean

Vanessa Solis, B.A., M.A., Assistant Director of Graduate Admissions

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Karen Hoffman, B.A., M.A., Ph.D., Co-director of the Honors Program and Professor of Philosophy

Craig Laufer, B.S., Ph.D., Co-director of the Honors Program and Professor of Biology

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Stephanie Arcadia, B.A., Institutional Research Analyst

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Nancy Huysen, Enrollment Coordinator

Kelsey Stottlemeyer, B.A., Assistant Registrar for Undergraduate Studies

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*\*The Campus Awareness, Response and Education Project is supported by Grant No. 2017-WA-AX-0032 awarded by the Office on Violence Against Women, U.S. Department of Justice.*

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## **Academic and Administrative**

Admission House  
Alumnae Hall  
Alumnae House  
Joseph Henry Apple Academic Resource Center  
Hodson Library and Learning Commons and Information Technology Center  
Brodbeck Music Hall  
Coffman Chapel  
Gambrill Gymnasium  
Hodson Science and Technology Center  
Georgetown Hill at Hood College Lab School  
Rosenstock Hall  
Strawn Cottage  
Tatem Arts Center  
Whitaker Campus Center  
Williams Observatory

## **Residence Halls**

Coblentz Hall  
Coblentz Memorial Hall  
French House/Martz Hall  
German House  
Meyran Hall  
Shriner Hall  
Smith Hall  
Spanish House/Hall

## **Student Life**

Coblentz Hall  
Ronald J. Volpe Athletic Center/BB&T Arena  
Huntsinger Aquatic Center  
Nicodemus Athletic Complex  
Tennis Complex  
Thomas Athletic Field  
Wellness Center

## **Other College Facilities**

Facilities Office  
Hodson Outdoor Theater  
Joseph Pastore Facilities Center  
Pergola  
East Cottage  
Thomas Gateway

# DIRECTIONS TO HOOD

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## **From Points North**

Follow U.S. 15 south from Gettysburg and points north to Frederick. Take Rosemont Avenue exit. Turn right onto Rosemont Avenue. Travel approximately one-half mile and turn left at the entrance to Hood.

## **From Points West**

Follow I-70 east from Hagerstown and points west. Take first Frederick exit onto U.S. 40. Follow U.S. 40 east to U.S. 15 junction. Follow U.S. 15 north to Rosemont Avenue. Travel approximately one-half mile and turn left at the entrance to Hood.

## **From Washington**

Follow I-270 northwest from Washington, D.C., toward Frederick and Gettysburg. Avoid turning to I-70. I-270 ends and the highway becomes U.S. 15 north. Follow U.S. 15 north to Rosemont Avenue exit. Turn left onto Rosemont Avenue. Travel approximately one-half mile and turn left at the entrance to Hood.

## **From Baltimore**

Follow I-70 west from Baltimore to junction with U.S. 15 north (Exit 53). Follow U.S. 15 north to Rosemont Avenue exit. Turn left onto Rosemont Avenue. Travel approximately one-half mile and turn left at the entrance to Hood.

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