Academic Catalog 2020-21

HANOVER COLLEGE

2020-2021 HANOVER COLLEGE ACADEMIC CATALOG

Dear Student,

This Catalog is your main resource in planning and pursuing your academic career at Hanover College. The general degree (core) requirements that you will need to fulfill for graduation are those listed in the Catalog of the year in which you enter Hanover College, so you should keep this Catalog and refer to it regularly over the next four years. Requirements for your major program are those in place at the time you declare your major; consult with the department of your major or with the Registrar's Office for the requirements that apply to you. Answers to almost all questions related to your academic life are contained in this Catalog, so the more familiar you are with the Catalog's contents, the better informed you will be.

Please note that the primary responsibility for knowing and meeting the requirements for graduation rests with you.

The pages at the back of the Catalog are provided so that you can maintain a personal record of your academic career at Hanover College. I recommend that you update these pages each term in order to chart your progress towards meeting the College's requirements. You should also use the College's "My Hanover" web site, which gives you access to your "Course History" and "Unofficial Transcript." Utilizing these electronic resources along with the worksheets that you maintain at the end of the Catalog will provide you with the most complete information possible about your academic progress.

Your Faculty Advisor and the Registrar's Office can assist you in your academic planning. If you have questions about any of the programs or requirements described in this Catalog, please feel free to contact us.

I wish you success, both academically and personally, during your four years, and I look forward to declaring you eligible for a diploma from Hanover College.

Sincerely,

Ken Prince, Ph.D.
Registrar

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HANOVER COLLEGE CALENDAR

FALL TERM 2020

August Experience for First-Year Students . . . . . Thurs., Aug. 20-Sun., Aug. 23
Residence Halls open for continuing students . . . . . Fri., Aug. 21-Sun., Aug. 23
Classes begin – 8:00 a.m. . . . . .Monday, Aug. 24
Dates for change of registration (Drop/Add) . . . . . Mon., Aug. 24-Fri., Aug. 28
Fall Convocation – Virtual Ceremony . . . . . .Thursday, Aug. 27
Mid-Week Break . . . . . Wednesday, Sept. 16
Mid-term grades due – 4:00 p.m. . . . . .Monday, Oct. 5
Academic Advising Period . . . . . .Wed., Oct. 7-Fri., Oct. 16
Homecoming . . . . . Saturday, Oct.10
Online Registration for Winter/Spring 2021 . . . . . Mon., Oct. 12- Fri., Oct. 16
Mid-Week Break . . . . . Wednesday, Oct. 14
Last day for discretionary withdrawal from class – 5:00 p.m. . . . Tuesday, Oct. 20
Schedule confirmation week (Drop/Add) . . . . . Mon., Nov. 2-Fri., Nov. 6
Mid-Week Break . . . . . Tuesday, Nov. 3
Thanksgiving Break begins at close of class day (students will not return to campus after break) . . . . . Tuesday, Nov. 24
Examination Week (Online) . . . . . Mon., Nov. 30-Fri., Dec. 4
Holiday Break begins at 5:00 p.m. . . . . Friday, Dec. 4
Grades due at 12:00 noon . . . . . Tuesday, Dec. 8

WINTER TERM 2021 (SUBJECT TO REVISION)

Classes begin – 8:00 a.m. . . . . Monday, Jan. 11
Dates for change of registration (Drop/Add) . . . . . Mon., Jan. 11-Fri., Jan. 15
Senior comprehensive examinations . . . . . .Saturday, Feb. 13
Last date for Sophomores to declare a major . . . . . .Friday, Feb. 26
Winter Break begins at close of class day . . . . . .Friday, Feb. 26
Mid-term grades due – 4:00 p.m. . . . . .Monday, Mar. 1
Classes resume – 8:00 a.m. . . . . .Monday, Mar. 8
Last day for discretionary withdrawal from class – 5:00 p.m. . . . . Friday, Mar. 12
Senior comprehensive examinations . . . . . Saturday, Mar. 13
Academic Advising Period . . . . . .Wed., Mar.10-Fri., Mar. 19
Online Registration for Fall 2021 . . . . . .Mon., Mar.15-Fri., Mar. 19
Online Registration for Summer 2021 . . . . . Mon., Mar. 22-Fri., Apr. 2
Schedule confirmation week (Drop/Add) . . . . . Mon., Apr. 5-Fri., Apr. 9

Honors Convocation – 3:00 p.m. . . . . Thursday, Apr. 15
Classes end at close of class day . . . . . .Friday, Apr. 16
Examination Week . . . . . Mon. Apr. 19-Fri., Apr. 23
Spring Break begins – 5:00 p.m. . . . . .Friday, Apr. 23
Grades due at 12:00 noon . . . . . Tuesday, Apr. 27

SPRING TERM 2021 (SUBJECT TO REVISION)
Classes begin – 8:00 a.m. . . . . .Monday, May 3
Dates for change of registration (Drop/Add) . . . . . Mon., May 3-Tues., May 4
Last day for discretionary withdrawal from class – 5:00 p.m. . . . . Friday, May 14
Senior "must report" grades due 12:00 noon . . . . . .Thursday, May 27
Classes end at close of class day . . . . . Friday, May 28
Baccalaureate and Senior Celebration – 6:00 p.m. F. . . . . riday, May 28
Commencement – 10:00 a.m. . . . . Saturday, May 29
All grades due at 3:00 p.m. . . . . Tuesday, June 1

SUMMER TERM 2021 – SESSION I
Classes begin – 8:00 a.m. . . . . .Monday, June 7
Dates for change of registration (Drop/Add) . . . . . Mon., June 7-Tues., June 8
Last day for discretionary withdrawal from class – 4:00 p.m. Wednesday, June 23
Classes end at close of class day . . . . . .Friday, July 9
Grades due at 3:00 p.m. . . . . Monday, July 12

SUMMER TERM 2021 – SESSION II
Classes begin – 8:00 a.m. . . . . Wednesday, July 14
Dates for change of registration (Drop/Add) . . . . . Wed., July 14-Thurs., July 15
Last day for discretionary withdrawal from class – 4:00 p.m. . . . . .Friday, July 30
Classes end at close of class day . . . . . .Tuesday, Aug. 17
Grades due at 3:00 p.m. . . . . .Thursday, Aug. 19

COLLEGE MISSION, VISION, HISTORY & PRINCIPLES

MISSION

Hanover College is a challenging and supportive community whose members take responsibility for lifelong inquiry, transformative learning and meaningful service.

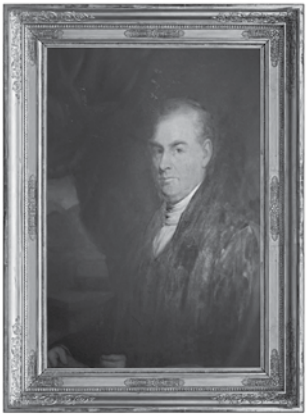
A VISION OF THE LIBERAL ARTS

The liberal arts are arts suited for free people. The purpose of a liberal arts education is to enable such people to cultivate humanity, to realize their full potential as human beings and as citizens. Accordingly, the liberal arts are designed to equip individuals to develop and integrate every dimension of their own humanity – physical, intellectual, artistic, ethical, and spiritual – and to understand and respect the humanity of others. Through critical inquiry, analysis, and interpretation, through articulate and respectful argumentation, and through engagement with multiple disciplinary and cultural perspectives, individuals acquire an education that is both ennobling and practical. The liberal arts prepare people to gain command of their thoughts and expression, to lead deliberate, examined lives, to acquire wisdom and moral integrity, and to contribute meaningfully to local and international communities.

Hanover College is a community dedicated to realizing these objectives through disciplined and morally concerned inquiry. Students and professors work together to confront enduring and topical questions and to engage in conversation with others inside and outside the College community. They are sustained by an ethos that combines respect for tradition with a spirit of rational inquiry, discovery, and innovation, an ethos that looks both backward to historical origins and context and forward to the expansion of the boundaries of knowledge and inquiry.

The Hanover community cultivates a culture that inspires passion and joy for learning, prizes intellectual and moral integrity, and celebrates quality. Its curricular and co-curricular programs are designed to encourage students to develop and integrate all facets of their lives and to discern and cultivate that which is extraordinary and rare in themselves and others. Providing students with sustained individual attention that both challenges and supports, a Hanover education places singular emphasis on students' independent development. It equips students to be free people, to be creative, inquisitive, discerning, and resourceful human beings, capable of exercising leadership in their communities and professions.

HISTORY



In the early 19th century, groups of devout and learned men traveled the route of the Ohio River to bring the Christian gospel and education to the growing western frontier. Cincinnati and Louisville became centers of commerce and culture, and the river town of Madison, halfway between these cities, became the major port of the new state of Indiana.

On Jan. 1, 1827, five miles west of Madison, the Rev. John Finley Crowe met two students in a loom house near his home in Hanover. The school grew and was taken under the care of Madison Presbytery of the Presbyterian Church on April 11, 1828, as Hanover Academy. The General Assembly of the State of Indiana granted a charter to Hanover Academy, effective February 26, 1829.

On November 9, 1829, the Board of Trustees of the Academy accepted a proposal by the Presbyterian Synod of Indiana to adopt the school with the proviso that a theological department be established. This became Indiana Seminary, and eventually McCormick Theological Seminary in Chicago.

In December 1832, the State issued a new charter to the Academy, creating Hanover College, effective January 1, 1833. Under this charter, the Board of Trustees of Hanover College is independent of ecclesiastical control, but has formally adopted for the institution the standards for Presbyterian colleges, an association that continues to the present. The new college used the College Edifice (built in 1832 and now the Hanover Presbyterian Church) as the center of its campus until 1857 when it moved one-half mile east to its present location overlooking the Ohio Valley.

The college's main building, Classic Hall, was destroyed by fire in 1941. This loss precipitated the reshaping of the campus along its present lines, following a campus plan developed by distinguished architect Jens Frederick Larson. The college continued to grow in the following years. In September 1964, the college's enrollment reached 1,000 students for the first time, and it has remained around that size ever since. Today's campus includes 35 major buildings on 650 acres, with the most recent buildings including three residential buildings, a state-of-the-art science building, and a fitness and recreation center.

In 1961, Hanover adopted the Hanover Plan, which created the innovative academic calendar culminating in an intensive short term, instituted a sequence of general education courses in several disciplines, and rededicated Hanover to the principles of liberal arts education. The Hanover Plan provided for the development of student skills and knowledge which culminated in the student's production of independent original work in the major field. Revisions to the curriculum in 2002, and again in 2016, restated Hanover's commitment to the liberal arts and to providing liberal arts education for the 21st century.

Hanover is the oldest private college in Indiana. Since 1915, Hanover College has been accredited by the Higher Learning Commission (formerly the North Central Association of Colleges and Secondary Schools) as an institution granting the baccalaureate degree.

The cultivation of the intellect is Hanover's primary aim. The College also realizes that personal growth accompanies scholarly developments, and Hanover strives to provide co-curricular opportunities that will contribute to a student's social, emotional, physical, and spiritual development outside the formal classroom.

Students should be challenged to probe and question themselves and their environment, and learn from this process. In this spirit, the College does not shield students from responsibility and would be remiss if students were not given opportunities to develop powers of decision-making. Involvement in campus organizations, providing leadership opportunities, and trying new activities are all broadening experiences that should prove beneficial later in life. An education at Hanover should be total, enabling graduates to stand confidently in the world beyond the campus.

The congenial environment and friendliness of Hanover are desirable, but they also mean that members of the campus community must live and work together. Everyone must act and behave thoughtfully and give ample consideration to those around them or who may be affected by them.

As members of the Hanover Community, each of us is expected to take care of one another by being responsible for our own health and that of the community. The COVID-19 pandemic has changed every area of life, and colleges have been deeply affected. While we will never be able to eliminate the risk of COVID-19 outbreaks on campus, to limit outbreaks as much as possible and comply with public health guidelines, we have introduced a number of protocols around health and safety; including increased attention on hand-washing and hygiene, as well as appropriate use of face coverings and social distancing. Please visit MyHanover for current policies. Everyone on campus is expected to adhere to these community health standards as we strive to keep Hanover College as healthy as possible.

In this spirit, all members of the College community live under a shared set of principles which guide their behavior. These principles were developed by a task force of trustees, faculty, administrators, students, alumni, and parents and were implemented during the 1999-2000 academic year. The Principles of Hanover College read as follows:

Hanover College Principles

We, the students, faculty, staff, and trustees of Hanover College, seek to promote academic, personal, and moral growth within a safe, challenging, and responsive community. To this end, we each commit ourselves to the following:

Pursuit of academic excellence

I will seek the breadth and depth of knowledge appropriate to a liberal arts education, will seek to foster intellectual vitality, and will practice academic integrity.

I will participate in the open and free exchange of ideas necessary for a meaningful education and a successful democracy.

Pursuit of personal excellence

I will pursue physical, moral, emotional, and spiritual well-being, with respect for the Christian and liberal arts traditions of the College.

I will practice self-respect and self-discipline, and will seek to grow in maturity and independence.

Respect for one another

I will work to create a safe campus community, free from unjust coercion, harassment, and other threats to persons or property.

I will practice honesty toward, tolerance of, and compassion for others, working to support the well-being of other members of the College community.

Community responsibility

I will participate in decision-making on rules and procedures, and will encourage others to do the same.

I will be a good steward of the College, the environment, and the world community.

Accountability

I will know and adhere to the rules of the College and to state and federal laws, accepting accountability for my own actions and encouraging others to be accountable for theirs.

I will practice justice, fairness, and respect in my responses to violations of these commitments and of College rules by community members.

As members of the Hanover College community, we will make decisions in conversations with those who will be most affected by them, we will seek the greatest amount of relevant input possible to our decision-making, and, to the extent possible, we will encourage decision-making on rules and procedures by those who will be most affected by them.

Hanover Facts

Hanover is a private, coeducational liberal arts college, affiliated with the Presbyterian Church (U.S.A.). Founded in 1827, it is the oldest private, four-year college in Indiana.

Location: The town of Hanover is located in southeastern Indiana. Louisville is 45 miles away, Cincinnati, 70 miles, and Indianapolis, 95 miles.

Campus: Hanover College owns 650 acres on a site overlooking the Ohio River. There are 35 major buildings, characterized by Georgian architecture.

Library: The Duggan Library, dedicated in 1973, houses the College's library collections of 493,500 volumes, not including government documents, along with 7,400 audiovisual items, and 53,000 microforms. Additionally, the Library provides 90 databases and over 19,000 serials, both print and electronic, with online access to thousands of full-text articles

Enrollment: Hanover's more than 1,100 young men and women come from 24 states and 19 foreign countries. Almost all students live on campus.

Faculty: More than 90 percent of Hanover's faculty members hold doctorates or other terminal degrees. The student-faculty ratio is 13 to 1, and many faculty members reside on campus grounds, creating an academic community.

Academic calendar: Hanover operates on a 4-4-1 calendar. Students take four courses each during Fall and Winter Terms. Spring Term is devoted to a month of concentrated study on campus, internships, or off-campus programs.

Majors include anthropology, art and design, art history, biochemistry, biology, business, chemistry, classical studies, communication, computer science, economics, elementary education, engineering, English, environmental science, French, gender studies, geology, German, German studies, health and movement studies, history, international studies, kinesiology and integrative physiology, mathematics, Medieval-Renaissance studies, music, philosophy, physics, political science, psychology, sociology, Spanish, theatre, and theological studies.

Minors are offered in anthropology, archaeology, art, art history, Asian studies, biochemistry, biology, business, chemistry, classics, communication, computer science, creative writing, design, economics, English, environmental science, environmental studies, film studies, French, gender studies, geology, German, German studies, Greek, health and movement studies, history, international studies, journalism, kinesiology and integrative physiology, Latin, mathematics, Medieval-Renaissance studies, music, philosophy, physics, political science, psychology, race and ethnic studies, sociology, Spanish, theatre, theological studies and world religions.

Costs: Direct student expenses for a year at Hanover, including tuition, room and board, are $51,950 for the 2020-2021 school year. The most current cost information is always available from the Office of Admission.

Financial assistance: More than 90 percent of Hanover's students receive some form of financial assistance. College aid is available in the form of scholarships, grants, loans, and campus employment. Hanover's strong financial base supports its rank in the top 10 percent of the nation's colleges on an endowment-per-student basis.

Accreditation: Hanover College is accredited by the Higher Learning Commission, 230 S. LaSalle St., Suite 7-500, Chicago, IL 60604 / (800) 621-7440.

Academic INFORMATION

THE CORE CURRICULUM REQUIREMENTS and AREAS OF COMPETENCY AND ENGAGEMENT

The Core Curriculum Requirements (CCRs) establish a framework for a diverse distribution of liberal arts courses and life-long learning. Students explore a breadth of foundational study across the curriculum: Literary and Artistic Perspectives; Historical and Social Perspectives; Philosophical and Religious Perspectives; Scientific, Mathematical, and Algorithmic Methods; World Languages and Cultures; and Health and Fitness Applied. The Areas of Competency and Engagement (ACEs) represent a campus-wide commitment to the skills and awareness expected of an educated person. These courses in writing, speaking, cultural perspectives, and quantitative and logical reasoning are offered throughout the curriculum and across disciplines. Most students will fulfil them in conjunction with CCRs or their major requirements.

THE 4-4-1 CALENDAR

The academic calendar divides the year into three regular enrollment periods. These are a Fall Term of 13 weeks, plus an examination period, ending before Christmas; a Winter Term of 13 weeks, plus an examination period, beginning after the Christmas holiday and extending until the middle of April; and a four-week Spring Term. In 2016, the College started offering classes during the Summer. The Summer Term is not a regular enrollment period for the purposes of determining Dean's List or academic probation/dismissal status.

Academic Advising

To assist and support students in this intellectual venture, all Hanover students have an academic advisor selected from among the faculty. The Registrar assigns an academic advisor to each first-year student and transfer student. During the second year, when selecting a major field of study, students select a faculty member in that academic department to serve as their academic advisor. Students may elect to change academic advisors at any time in consultation with the Registrar.

Academic advisors aid students as they devise their undergraduate academic plans around the Core Curriculum Requirements (CCRs), Areas of Competency and Engagement (ACEs), major requirements, and electives, and connect these plans with post-graduate goals. Conversations between advisor and student also focus on study techniques, conflict resolution, and other issues related to students' academic work. If students are to feel free to consult openly and frankly with their advisors, they must know each other better than a few formal appointments a year will allow. This means that students, as well as faculty, must take some initiative to build a productive relationship.

Graduation Requirements

Hanover College confers the Bachelor of Arts or Bachelor of Science degree when the following conditions have been met:

1. The satisfactory fulfillment of the degree requirements mandated by the faculty;
2. The satisfactory completion of a minimum of 36 course units, which includes 1 unit for comprehensive evaluations or their equivalent (double majors must complete 37 course units), at least 17 of which must be taken at Hanover College and in no more than six of which the student has earned a grade in the D range;

3. The satisfactory completion of a program of major study, at least 50 percent of the courses for which must be taken at Hanover College. In no more than two of these courses (including comprehensive evaluations) shall the student have earned a grade in the D range;
4. The satisfactory completion of a comprehensive evaluation as required in the area of major study (two for double majors) to be recorded as a comprehensive evaluation unit, the grade for which shall be included in the calculation of all required grade point averages and, should the grade be in the "D" range, count in the number of "D" grades accumulated in the major and overall;
5. The achievement of at least a 2.00 cumulative grade point average, both in the total number of courses attempted at Hanover and in the total number of Hanover courses attempted for the major;
6. The successful completion of a senior culminating experience in the major. If that involves a senior thesis project, a copy of the project must be filed with the Duggan Library prior to the day of comme ncement;
7. College attendance for four years or the equivalent, the last year of which must be at Hanover College;
8. Attendance in academic attire at Commencement exercises, unless excused in advance by the Dean of Academic Affairs. A student must have 34 units to be eligible to attend Baccalaureate and Commencement.

The primary responsibility for ensuring that all graduation requirements have been met lies with the student.

REQUIREMENTS IN THE MAJOR AREA OF STUDY

The major at Hanover College offers students a solid grounding as thinkers and practitioners in a particular discipline. The major's curricular function is to help students understand the epistemologies, methodologies, and vocabulary central to a discipline, the history of the discipline, the competing schools of thought within the discipline, and the technologies that support practice of the discipline. Hanover College provides the options of interdisciplinary majors and student-designed majors in order to provide flexibility for students who wish to focus on more than one field of study, but in each case the major must consist of a substantial grounding in one core discipline. By focusing students' academic experience on a particular field of scholarly inquiry or artistry over an extended period of time, the major helps students to refine the skills, ways of knowing, and modes of reflection central to that field, to become more precise in their thinking and more deliberate, experienced, and knowledgeable in their practice.

Each student must complete at least one major. A limit of two majors may be selected; no more than one course may be counted toward both majors, unless the course is specifically required in one major. The first major must be declared no later than the Friday before Winter Term Break of the sophomore year. At least 50 percent of courses in a major area of study must be taken at Hanover College. Students must earn a minimum grade point average of 2.0 in their major courses, including all courses in the department of the major, and any required cognate courses. No more than two courses, including the Comprehensive Examination, in which a student has earned a grade in the D range may be counted toward the fulfillment of a major (see section on Computation of Grade Point Averages).

All majors must, during their senior year, complete a senior culminating experience, which requires the integration or application of knowledge gained in courses related to the major. A senior thesis, an internship, or a specific course fulfills this requirement, depending on the major. See the section on Academic Programs for the specific requirements of each major.

Each major also requires a comprehensive evaluation in the senior year. Departments provide advance information to students of the nature of the evaluation and shall offer appropriate support for students preparing for the evaluation. The comprehensive evaluation is graded and the grade is noted on the transcript. The comprehensive evaluation carries the weight of a full course unit for purposes of calculating grade point averages, although it is not considered a course for purposes of determining full or part-time enrollment. Students who fail to achieve the level of performance deemed satisfactory by the department shall be given the opportunity to be re-evaluated once before their scheduled graduation date. Students who fail the second evaluation may petition the Student Academic Assistance Committee for permission to be evaluated for a third and final time. If the petition is granted, a period of at least 12 weeks must intervene between the second and third evaluations, and in no case shall the third evaluation be administered before the date on which the student was originally scheduled to graduate.

Students completing two majors must complete a culminating experience and a comprehensive evaluation in each major.

Majors are offered in anthropology, art and design, art history, biochemistry, biology, business, chemistry, classical studies, communication, computer science, economics, elementary education, engineering, English, environmental science, French, gender studies, geology, German, German studies, health and movement studies, history, international studies, kinesiology and integrative physiology, mathematics, Medieval-Renaissance studies, music, philosophy, physics, political science, psychology, sociology, Spanish, theatre, and theological studies.

Bachelor of Science majors require more focus on the discipline and the natural sciences in general, while adhering to the college's general degree requirements. Students with a particular interest in the natural sciences are encouraged to explore these majors. Due to the elevated number of major requirements, students pursuing a BS major will not be allowed to complete two majors

Self-Designed Interdisciplinary Major

Hanover students may choose to create a self-designed interdisciplinary major that joins two or more liberal arts disciplines in the analysis of a specific set of questions. (Given the intellectual challenges of a self-designed interdisciplinary major, it is recommended that a student have a cumulative grade point average of 2.75 or higher.) Students planning a self-designed major should make suitable arrangements early enough in their college career so that they can write a proposal and file for the major by February of their sophomore year. To initiate a self-designed major, a student will develop a tentative set of courses for the major. As with other interdisciplinary majors, the student must design a major that has a central disciplinary core and methodology. The student should approach a faculty member who teaches in the core discipline with whom to discuss the proposed major. The student and faculty member will discuss the proposal and possible faculty members to serve on an advisory committee. This proposed advisory committee will consist of a faculty advisor and two additional faculty members from disciplines included in the major proposal. The student and faculty advisory comittee will discuss and, if necessary, revise the proposed set of courses.

The student will then write a proposal for the self-designed major. This proposal must:

1. Suggest a name for the proposed major.
2. Include a rationale for the planned major course of study, a statement of the student's curricular objectives, including competencies to be developed, the core questions that are to be explored, a clearly defined link between the disciplines involved, a statement explaining why this major is in the spirit of the liberal arts (and not occupational training), and the rationale for the courses that are included in the program of study.
3. Provide a plan of study that includes:
   * coursework dealing with the epistemology and the theory (or abstract conceptualization) within one of the disciplines;
   * a total of not less than ten courses (alternative courses developing similar competencies can be suggested, such as ECO 113 or ECO 114);
   * at least six courses above the introductory level unless the faculty advisory committee recognizes a compelling reason that this is not feasible;
   * capstone experience. (The senior thesis should normally be in the core discipline);
   * and a comprehensive examination to be taken during the student's senior year.
4. Include a copy of the student's transcript.

After the proposal is completed and signed by the three faculty members on the advisory committee, the proposal is to be submitted to the Curriculum Committee for its review and final approval of both the major's content and the advisory committee's members.

Once the Curriculum Committee approves a proposal, it will serve as the student's course of study. The faculty advisory committee members and the Student Academic Assistance Committee must approve any variance in coursework.

Opportunity for a Minor

The College offers, but does not require students to elect, minor programs. Each student may declare one or two minors in fields of special interest. At least 50 percent of courses in a minor area of study must be taken at Hanover College. Minors are offered in the following disciplines: anthropology, archaeology, art, art history, Asian studies, biochemistry, biology, business, chemistry, classics, communication, computer science, creative writing, design, economics, English, environmental science, environmental studies, film studies, French, gender studies, geology, German, German studies, Greek, health and movement studies, history, international studies, journalism, kinesiology and integrative physiology, Latin, mathematics, Medieval-Renaissance studies, music, philosophy, physics, political science, psychology, race and ethnic studies, sociology, Spanish, theatre, theological studies and world religions.

A student may not elect a minor in the discipline in which he or she is majoring. A minor must be formally declared prior to the student's graduation. A minimum cumulative grade-point average of 2.00 in the minor, including all courses in the department of the minor and any required cognate courses must be achieved in order for the minor to be designated officially on the student's records. Except for minor courses specifically required for the student's major, no more than one course may be counted toward both a major and a minor or toward two majors or two minors.

OPPORTUNITIES FOR CREDIT

Advanced Placement Credit
Advanced Placement courses taken in high school under the College Entrance Examination Board program will be recognized as follows: (a) If a student has earned a 4 or 5 in an Advanced Placement course, full credit will be given, provided the course meets relevant Hanover College prerequisite and graduation requirements. (b) If a student has earned a 3 in an Advanced Placement course, the decision as to acceptance for credit will lie with the department concerned, which may read and evaluate the student's Advanced Placement course examination. It is the student's responsibility to present his or her case to the department.

By-Pass Credit
Students may enroll in an advanced course at Hanover without the necessary prerequisites if they can demonstrate their competence to the academic department involved. Students so enrolled in an advanced course may be awarded credit for one, but no more than one, of the bypassed prerequisite course(s), providing the student earns a grade of B or better in the advanced course and the department has adopted this policy. See departmental descriptions for specifics. No credit will be awarded, however, for course work that is required for admission to the College.

Dual Credit
Hanover College will accept dual-credit courses as elective transfer credits upon request by the student entering the College. The courses may be used to satisfy Core Curriculum Requirements (CCRs) and Areas of Competency and Engagement (ACEs) requirements when deemed equivalent or suitable. The courses may also satisfy requirements within a major or minor with departmental approval.

International Baccalaureate Credit
Credit is granted for courses taken on the Higher Level under the International Baccalaureate program provided that the student earns a score of 5 or above on the qualifying exam. Both credit and satisfactory completion of the equivalent Core Curriculum Requirements (CCRs) and Areas of Competency and Engagement (ACEs) requirements will be awarded. Courses that are not equivalent to CCRs and ACEs or major courses may earn elective credit. No credit will be awarded for courses taken on the Standard level.

Summer School Credit
Hanover College offers classes during three possible Summer terms. For a schedule and list of classes, check with the Registrar's Office after April 1.

Transfer Credit
Courses of the type offered by Hanover College, but completed at other accredited academic institutions, as well as courses prescribed in the College's articulation agreements, may be accepted for credit at Hanover. Transfer credits are applied toward the total number of course units required for graduation and may, in some cases, be used to satisfy requirements for the liberal arts degree, major, or minor program.

The determination of the acceptability of courses for transfer to Hanover and of their suitability for satisfying liberal arts degree or major requirements is the responsibility of the Registrar and finally of the Faculty of the College. Students have responsibility for collecting and presenting the documentation (course records, syllabi, etc.) necessary to the making of informed transfer credit decisions by the Registrar and/or appropriate faculty members.

Transfer credit will be identified on the student's Hanover transcript with a notation designating the institution at which the credit was earned and the total number of credits transferred. Grades earned in courses transferred for credit will not be included in the calculation of any grade point averages at Hanover unless specifically authorized by the Faculty, as in the case of affiliated Off-Campus Study Programs.

Students currently enrolled at Hanover College who wish to receive transfer credit for courses taken at other academic institutions (for example, in summer school programs) should secure approval from their faculty advisor and the Registrar before taking the course. Without prior approval, no assurance of transfer credit can be made.

Hanover College grants transfer credit for courses (including "dual credit" courses) completed at other institutions under the following conditions:

1) The transferring institution must be fully accredited by The Higher Learning Commission or a similar United States regional accrediting agency.

2) The course work must be prescribed in the College's articulation agreements, or be representative of "The Liberal Arts." Course work taken at other Liberal Arts Colleges or at Colleges of Arts and Sciences at Universities is generally acceptable.

3) The course work must have received a grade of C or better.

For the purposes of transferring courses to Hanover, the conversion rate of semester hours or quarter hours to Hanover units is:

4 semester hours course = 1 Hanover unit
3 semester hours course - .75 Hanover unit
2 semester hours = .5 Hanover unit
1 semester hour = .25 Hanover unit
6 quarter hours course = 1 Hanover unit
5 quarter hours course = .83
4 quarter hours = .67 Hanover unit
3 quarter hours = .5 Hanover unit
2 quarter hours = .33 Hanover unit
1 quarter hour = .17 Hanover unit

Courses taken at affiliated Off-Campus Study Programs will receive Hanover College units of credit for satisfactory completion of work and will count toward calculation of grade point averages.

For purposes of transferring a Hanover course to another institution, the official conversion rate is 1 unit = 4 semester hours or 6 quarter hours.

COURSE REGULATIONS

A. Course Load and Enrollment Status

1. Normal load. Normal load during the Fall and Winter Terms is four course units, and it is one course unit during the Spring Term. Health and Fitness activity courses and music courses may be taken in addition to the standard course load in any term. Programs with up to 5.25 course units during the Fall or Winter Terms and with up to 1.25 units during the Spring Term will be accepted with the approval of the student's advisor, provided the student is not currently on academic probation. Programs in excess of 4.50 units during the Fall and 5.50 units during the combined Winter and Spring Terms will be subject to additional tuition charges.

2. **Full-time status.** In order to be classified as full-time, a student must be enrolled in at least three course units, exclusive of comprehensive evaluations, during the Fall Term; in at least three course units, exclusive of comprehensive evaluations during the Winter Term; and in at least one course unit, exclusive of comprehensive evaluations, during Spring Term. Comprehensive evaluations are not considered as courses for purposes of determining full or part-time enrollment. This definition of full-time is used to determine academic status, residence status, and NCAA athletic eligibility status.

3. **Withdrawn status.** Except in instances in which a student is studying off campus with the approval of the College, a student shall be considered to have withdrawn from the College whenever he or she withdraws from all courses or fails to enroll in any courses during either the Fall or Winter Terms. Students who have withdrawn, but wish to return to the College, must request an Application for Readmission from the Registrar's Office.

B. Enrollment in Courses

1. **Enrollment deadline.** Students will not be allowed to enter a course later than the fifth day of the Fall or Winter Terms or after the second day of Spring Term without special permission of the instructor and the Registrar.

2. **Enrollment in 100-level courses.** Junior and senior students may enroll in freshman-level courses (courses numbered 100) that satisfy general degree requirements under any one of the following conditions: (a) The enrollment is necessary to satisfy a specific degree requirement, because another option at the 200 or 300 level is not possible; (b) The enrollment is necessary in order to meet a specific requirement for the student's major and/or teacher certification program; (c) The enrollment constitutes a 'repeat' of a previously taken course under the terms and conditions prescribed by faculty regulations. In all other instances, juniors and seniors may enroll in freshman level courses only if they obtain the permission of the instructor and the approval of the faculty advisor. Instructors and advisors must recognize that such enrollments will be above and beyond those necessary to accommodate freshman and sophomore students seeking to enroll in these courses.

3. **Pass-fail option.** Juniors and seniors may select up to one elective course unit in the Fall and Winter Terms, to be graded on a Pass (C- or better)/Fail (D+ or less) Option basis, provided at least three course units (not counting the senior comprehensive examination) that term are in courses with regular grading status. The Pass-Fail Option must be declared no later than the last day of the drop/add period of the term in which the course is taken. Courses meeting College liberal arts degree or major or minor requirements, and courses in the department of the major or minor, may not be taken with a Pass-Fail Option status. Once a student has satisfied a particular degree requirement, other courses which satisfy that requirement may be taken on a Pass-Fail Option basis.

4. **Repeating courses.** Students may repeat courses provided they obtain the approval of their advisor. A maximum of one course unit will be used for all attempts, and the grade for the most recent attempt will replace the earlier grade in calculating the cumulative grade point average. The transcript will show all attempted courses. For the purposes of this regulation, a course may be "repeated" either by completing the same course a second time or by completing a course in the same department that has been accepted by that department (with the concurrence of the Curriculum Committee) as covering the essential content of the original course.

5. **Senior Thesis.** A student may enroll in two Senior Thesis courses during the same term only with the permission of the Student Academic Assistance Committee.

6. **Auditing courses.** A course which is audited receives no credit and may not be counted toward satisfying the general education requirements (CCRs and ACEs) nor the major or minor.

The last day to change enrollment status from audit to credit is the last day of the drop/add period for the term in which the course will be taken. The last day to change from credit to audit status is the last day of the discretionary withdrawal period in the term in which the course will be taken (the discretionary withdrawal period is the first eight weeks of a term).

A request to audit a course must be approved by the instructor of the course and the student's advisor. The student should confirm what the instructor's expectations are for auditing the course, and it is the student's responsibility to fulfill those requirements for a satisfactory audit. The course will appear on the student's transcript, and bear the letter "AU" to indicate that the course was taken as an audit or "U" to indicate unsatisfactory completion of the audit. A student may audit a course during Spring Term provided the student is enrolled in a 1 unit course and all other criteria for auditing, as defined in this section, are met. Additional tuition charges may apply. See Tuition and Fees Section.

C. Withdrawal from Courses

1. **Withdrawal from one course.** Students wishing to withdraw from a single course may do so without academic penalty, provided that such withdrawal: (a) takes place by the end of the eighth week of a Fall or Winter Term or by the end of the second week of a Spring Term course; (b) does not have the effect of reducing a fulltime student's load below that necessary to maintain full-time status; (c) does not preclude a student from fulfilling a general degree requirement within the prescribed time. A grade of "W" for that course will be entered on the student's record.
2. **Withdrawal from more than one course.** Students wishing to withdraw from more than one course during a given term, or to withdraw from a single course in circumstances which do not meet the requirements set forth under rule 1 above, may do so without academic penalty only after conferring with their instructor(s) and faculty advisor and only with the approval of the Registrar. Such withdrawal may be authorized because of a personal medical problem, a disabling family situation or a problem outside the control of the student. A grade of "W" for that course or courses will be entered on the student's record.
3. **Withdrawal from the College**. Students wishing to withdraw from the College may do so without academic penalty prior to the end of the ninth week of the enrollment period. After this period, a student may withdraw from the College without penalty only with the prior approval of the Registrar. Such withdrawal may be authorized because of a personal medical problem, a disabling family situation or a problem outside the control of the student. A grade of "W" will be entered on the student's record for each course in which the student is then enrolled, and the student's academic status will remain as it was at the beginning of the term in which the withdrawal occurs.
4. **Withdrawal procedures.** A discretionary withdrawal form is available in the Registrar's Office. Failure to obtain the necessary approval for withdrawal from a course or from the College shall result in the filing of regular letter grades for all such courses, and the student shall remain subject to all regulations governing probation and dismissal.
5. **Dismissal from the College.** A student who is dismissed from the College during a term for non-academic reasons shall receive a "W" for all courses in which he or she is enrolled and the student's transcript shall carry the notation of "dismissed." If the student is subsequently readmitted to the College, the notation shall then be deleted from the transcript.

D. Attendance and Classroom Discipline

Students are expected to be regular and punctual in their attendance at class and in the fulfillment of their other academic obligations, including those which are conducted on days immediately preceding or following a college recess. They are likewise expected to conduct themselves in a manner that is conducive to their own learning experience and that of their classmates.

Instructors have the authority to establish their own standards for attendance and other classroom behaviors, and to enforce these standards with appropriate disciplinary action, up to and including the removal of a student from the course, provided such standards and actions are consistent with existing faculty regulations. In exercising this authority, instructors should recognize and make due allowance for instances in which a student's failure to fulfill academic obligations is a consequence of circumstances beyond the student's control.

In instances when an instructor acts to remove a student from a course, the instructor should inform the student in writing of the intended action and notify the Registrar of the appropriate grade to be entered on the student's academic record. In this, as in all manners of academic discipline, students have the right to appeal the instructor's action to the Dean of Academic Affairs..

While instructors should attempt to honor the requests of their colleagues for students to be released from classroom obligations in order to participate in authorized course activities and other college programs, the instructor is the final determiner of whether such absences shall be excused.

E. Final Examinations

1. The faculty has mandated that no examinations in courses can be given during the last week of classes in order to allow students to complete other work and prepare for final quizzes, lab tests in science courses, or examinations in any course for which a final examination period has not been scheduled (such as activities courses in physical education or music lessons).

2. Final examinations must be given at the time and place identified on the final examination schedule published by the Registrar, unless a change has been approved in advance by the Dean of Academic Affairs. The convenience of travel arrangements is not generally considered legitimate grounds for the granting of such a change, and students should not make travel plans that may interfere with their final examination obligations.

3. In cases of a family emergency or similar exceptional circumstances, an instructor may allow a student to take the final examination in advance of the time at which it is scheduled to be given.

4. College policy will be that no student will be required to have three final exams on one day, but a student may do so if he or she chooses. If a student having three final exams scheduled on one day wishes to avoid the situation then it is the student's duty to bring this matter to the attention of his or her professors. Thereafter, the professors in consultation will alleviate the burden by determining which exam will be rescheduled.

WAIVING OF REQUIREMENTS AND REGULATIONS

When circumstances warrant, students may seek modification of, or exemption from, one or more of the curricular requirements, course regulations, or academic policies set forth above. Petitions for such modifications must be submitted to the Student Academic Assistance Committee. The petition should (1) identify the requirement, regulation, or policy in question, (2) state the particular modification or exemption which is being sought, and (3) set forth the specific grounds and circumstances which justify the granting of the petition. Petition forms are available in, and should be returned to, the Registrar's Office.

GRADING POLICIES

Students receive an electronic grade report for each of the three terms, but there are only two grading periods for purposes of calculating grade point averages. The first grading period coincides with the Fall Term enrollment period, and is called the Fall Grading Period. The second grading period combines the Winter and Spring enrollment periods into a single grading period called the Winter/Spring Grading Period. Thus, a student will have a term grade point average for the Fall Term and one for the Winter/ Spring Term.

A. Grade Classifications

The following grades carry the following weights in the computation of grade point averages:

A	4.0	exceptional, excellent in all respects
A-	3.67	
B+	3.33	
B	3.0	good
B-	2.67	
C+	2.33	
C	2.0	satisfactory
C-	1.67	
D+	1.33	
D	1.0	passing but unsatisfactory in some important respects
D-	0.67	
F	0.0	failure
FN	0.0	flagrant neglect, failure to meet the most basic obligations
I		incomplete
AU		audit without credit
CR		credit, no grade given
R		course repeated at a later date for another grade
S		pass (C- or better) in a pass-fail course
U		fail (D+ or less) in a pass-fail course
W		withdrawal
Z		deferred grade

B. Computation of Grade Point Averages

1. The computation of the grade point averages required for graduation from the College, completion of a major course of study, and receipt of graduation honors shall include only grades earned in courses offered by Hanover College, and taught by its instructors, as well as in affiliated Off-Campus Study Programs.

2. The computation of the grade point average in the major shall include the grades earned in all courses which have been identified, whether in the College catalog or by the department/committee administering the program, as required for and/or as eligible to be counted toward the major.

3. The grade earned on the comprehensive evaluation in the area of major study shall be included, with a weight of 1.0 course unit, in the computation of all required grade point averages.

C. Incompletes

Under certain circumstances, students who find themselves unable to meet all requirements of a course within the time allotted for the term may petition the Registrar to be granted an extension or "Incomplete." The student should obtain the appropriate form from the Registrar's Office and consult with the instructor.

1. An Incomplete may be granted only upon the grounds of a personal medical problem, a disabling family situation, or other circumstances beyond a student's control, and must be approved by the Registrar prior to the end of the term.

2. The petition of the Incomplete must indicate whether or not the instructor supports the granting of the Incomplete and must specify the date recommended by the instructor (in consultation with the student) for completion of the work.

3. The date agreed upon for completion of the work should be as soon after the conclusion of the term in which the Incomplete is granted as is consistent with the individual circumstances of the student and with sound educational practice, but in no event shall it exceed the end of the sixth week of the following enrollment period (including the summer enrollment period).

4. When approved, an Incomplete authorizes the instructor to file a temporary grade of "I" for the student at the end of the term. At the end of the time specified for completion of the work, the instructor will evaluate the work that has been done and submit an appropriate course grade to the Registrar, who shall enter it in the student's record in place of the "I."

5. In the event that the student fails to complete the work in the time specified, a grade of "F" shall be entered for the course, unless the Registrar upon reviewing the case determines that the student be granted either a further extension of time or a withdrawal from the course.

D. Z Grade

The Z grade is to be used under certain circumstances where a faculty member finds himself or herself unable to meet the deadline for submitting a grade for a given semester. In such cases the faculty member may submit a Z as a grade for a student.

1. The Z grade must be converted to an appropriate final course grade as soon after the conclusion of the term in which the grade is granted as is consistent with the individual circumstances of the faculty member, but in no event shall it exceed the end of the second week of the following enrollment period (including the summer enrollment period).

2. In the event that a faculty member cannot enter an appropriate final course grade in the time specified, a letter of notification must be submitted to the Registrar explaining why the Z grade was given and a date by which the final grade will be filed.

E. Appeal of Grades

A student who believes that the evaluation of his or her work by a faculty member is unfair or inaccurate shall be entitled to make an appeal, following the procedure outlined below:

1. The appeal must be initiated no later than 30 days after final grades are posted. The appeal procedures described below must be completed by the end of the seventh week of the next enrollment period.

2. The first stage of appeal should be made to the faculty member involved, with whom it is expected most cases will be resolved. During this conference, the student and the faculty member can review the procedure by which the evaluation was made and the basis upon which the grade was determined.

3. When an instructor agrees that an error in computation or judgment has been made, a Change of Grade form should be completed by the instructor, and then filed with the Registrar, who must approve the change.

4. If the conference with the instructor does not satisfy the student, the student may appeal the grade to the Dean of Academic Affairs. The Dean of Academic Affairs will assign the appeal to an Associate Dean, who will meet with the student, the faculty member, and, at the Associate Dean's discretion, another member of the faculty, preferably a senior member or chair of the department. He or she may request an examination of all papers, records, and other information pertinent to the appeal. After deliberation, the Associate Dean will render a decision and notify both the student and the faculty member of that decision.

5. If the decision is unacceptable to either the student or the instructor, either may appeal the case to the Dean of Academic Affairs. The decision of the Dean is final.

ACADEMIC STANDING

A. Good Academic Standing

Good academic standing is determined by a student's success in meeting the academic standards mandated by the faculty of the College. These standards are defined in terms of the grade point average. Students currently on academic probation are not regarded as being in good academic standing.

1. **Term GPA.** The minimum required grade point average for each regular enrollment period (term) is one in excess of 1.50.
2. **Cumulative GPA.** The minimum cumulative grade point average required of students is defined in terms of the total number of course units accumulated toward graduation by the end of an enrollment period. They are as follows:

   a. For students with 1.0 to 4.9 course units, a GPA in excess of 1.50;

   b. For students with 5.0 to 9.9 course units, a GPA of 1.75 or above;

   c. For students with 10.0 to 14.9 course units, a GPA of 1.90 or above;

   d. For students with 15.0 or more course units, a GPA of 2.00 or above.

B. Academic Probation and Dismissal

1. **Academic Probation.** At the end of any given regular enrollment period, a student will automatically be placed on academic probation under either one of the following circumstances: (a) the student earns a grade point average of 1.50 or less during the enrollment period; (b) the student fails to achieve the required minimum cumulative grade point average (see A.2 above). The probation status under (a) above may be waived by the Registrar for extenuating circumstances, provided the student's cumulative grade point average exceeds 2.0; to ensure being heard, a written appeal must be filed with the Registrar's Office within 10 days of the student's receipt of notification of probationary status. Summer term is not a regular enrollment period.
2. **Academic Dismissal.** At the end of any given regular enrollment period, a student will automatically be dismissed from the College under any one of the following circumstances: (a) the student is currently on probation and fails to earn a grade point average of 2.0 or better for the enrollment period; (b) the student is currently on probation and fails to achieve the required minimum cumulative grade point average (see A.2 above); (c) the student, whether currently on probation or not, earns a grade point average of 1.0 or less for the enrollment period. Summer term is not a regular enrollment period.
3. **Appeal of Dismissal.** A dismissed student may petition the Student Academic Assistance Committee for reinstatement on the basis of a pattern of improving performance or extenuating circumstances. To ensure being heard, a written appeal must be filed with the Registrar's Office within the time period stated in the notification of dismissal.
4. **Readmission after Dismissal.** Students who are dismissed are eligible to apply for readmission after a period of one year. Readmission is not automatic and will depend upon demonstrated productive activity in the interim. Under unusual circumstances, such as exceptional achievement, a student may appeal for readmission after a period of less than one year. A student desiring readmission should apply by requesting an Application for Readmission from the Registrar's Office.

ACADEMIC DISHONESTY

The faculty of the College has adopted the following policies governing the identification of academically dishonest procedures on the part of students and the disciplinary actions appropriate to and/or prescribed for them.

A. Academic Dishonesty Defined

An academically dishonest act is defined as "any action with the intent to deceive in order to gain an unfair advantage." Such procedures as the following are academically dishonest:

1. The use by a student of material from published or unpublished sources without acknowledging those sources (see the faculty statement on "The Use of Source Materials");
2. Submitting to a course, without acknowledgment, a paper that has been written in whole or in part by another person;
3. Copying answers written by another student for a quiz, examination, or other assignment;
4. "Collaborative" efforts in which students write together papers or portions of papers or other assignments and submit them to their instructors without acknowledging that collaboration;
5. The submission of the same paper, or substantially the same paper, by a student to two different courses without prior consultation with the instructors involved;
6. The falsification of documentation for a paper;
7. The falsifying of data for a laboratory assignment;
8. Any other procedure which involves the intent to deceive in order to obtain an unfair advantage, including the knowing and willing assistance of others in the practice of academically dishonest procedures.

B. Penalties for Academic Dishonesty

1. The Faculty recognizes that students, in performing their academic duties, may engage in procedures, such as faulty or inadequate documentation, which are not the result of dishonesty, but derived from carelessness, confusion, lack of attention, etc. Such procedures are academically unacceptable, and an instructor should, at his or her own discretion, penalize a student for employing them.
2. However, when a student submits a paper, an examination, or any other assignment that is substantially the result of an academically dishonest procedure, the student shall receive a "0" for the paper, examination, or assignment, and his or her grade for the course shall be lowered not less than one letter grade.
3. An instructor should not assess a penalty for an academically dishonest procedure until he or she has made a thorough investigation of the matter and, if possible, conferred with the student or students in question.
4. Should a student who has already been penalized for an academically dishonest procedure commit a second offense in the same course, he or she shall receive a grade of "F" for the course and shall be removed from it. A student in such a situation shall not be permitted a discretionary withdrawal from the course in question.
5. Instructors who take disciplinary action against students are required to file a written report of each such instance and of the action taken with the chair of the Student Academic Assistance Committee.

C. Appeal Process for Academic Dishonesty

As in all other instances of evaluations made and grades assigned by instructors, students have the right of appeal (see section on Appeal of Grades). Successful appeals of Academic Dishonesty will have the report expunged from the Student Academic Assistance Committee (SAAC) record.

D. Repeated Instances of Academic Dishonesty

1. A faculty member who takes disciplinary action against a student for academic dishonesty is required to report his or her action in writing to the Chair of the Student Academic Assistance Committee. Upon receipt of two or more reports of academic dishonesty on the part of a single student, the Chair of the Student Academic Assistance Committee shall refer the matter to the Committee, which shall determine what further disciplinary action, if any, is to be taken against the student in question. Such additional disciplinary action may consist of sanctions up to and including dismissal from Hanover College.

2. When the Chair refers a student's case to the Committee as a whole, the student, as well as the faculty members who initially took disciplinary action against the student, shall be notified in writing of the fact and of their right to appear before the Committee to present information relevant to the case. The decision of the Committee shall be reported in writing to: the student involved, the Registrar, the Dean of Academic Affairs, and the President of the College. In incidents resulting in dismissal, the Dean of Student Life will also be notified. The decision of the Committee may be appealed to the Dean of Academic Affairs and to the President of the College.

HONORS AND AWARDS

1. Graduation with Honors.

Exemplary students having a 3.90 cumulative grade point average through the Winter/Spring Grading Period of the senior year earn the distinction of graduating summa cum laude. A 3.75 cumulative average entitles a student to graduate magna cum laude. A 3.50 cumulative average entitles a student to graduate cum laude.

To be entitled to these distinctions, students must have been enrolled in courses on Hanover College's campus during their junior and senior years, unless studying in courses at affiliated Off-Campus Study Programs for which Hanover graduation credit will be awarded.

Grade point averages for honors are computed only on the basis of grades and credits earned at Hanover College or in courses at affiliated Off-Campus Study Programs. Grades earned from other institutions of higher education are not included in the computation.

2. Departmental Honors.

Departmental honors will be awarded to seniors upon nomination by the faculty of each department and approval of the Faculty. To be eligible for nomination, students must have completed 36 units of course work for which they have earned a cumulative grade point average of at least 3.20 overall and a grade point average in their major of at least 3.50. In addition, they must earn a grade of "A" or "A-" in their senior culminating experience and on their comprehensive evaluation as determined by the department.

3. Dean's List.

To recognize and to commend those students who excel academically, the Office of Academic Affairs publishes the Dean's List twice each academic year, at the end of the Fall Term and at the end of the Winter/Spring Term. The honor is reserved for those students who meet the following criteria:

Fall Term: A student must be enrolled full-time in the Fall Term, must complete no fewer than three graded course units in that term, and must earn a grade point average of 3.50 or higher.

Winter Term: A student who will not be enrolled in Spring Term must be enrolled full-time in the Winter Term, must complete no fewer than three graded course units in that term, and must earn a grade point average of 3.50 or higher.

Winter/Spring: A student must be enrolled full-time in Winter/Spring, must complete no fewer than four graded course units in that term, and must earn a grade point average of 3.50 or higher.

Note that a course taken Pass/Fail does not constitute a graded course unit.

4. College Prizes and Awards.

The Alumni Awards for Scholarship, Character and Citizenship are given each year to a group of seniors who are chosen by the faculty as representative of the students in whom the College purposes of scholarship, character and citizenship are best achieved.

The John Finley Crowe Citation for Scholarship and General Excellence: Established by vote of the faculty in 1955, this citation is awarded to the outstanding graduating senior man on the basis of excellence in the areas of character, scholarship, leadership and social responsibility given at Honors Day Ceremony. The recipient is chosen by the President of the College, the Vice President for Academic Affairs, and the Vice President for Student Affairs from the three senior men ranked highest by vote of the faculty.

The Henry C. Long Citation for Scholarship and General Excellence: This citation to the outstanding graduating senior woman is given by the trustees of the College. Senior women are judged on their excellence in the areas of character, scholarship, leadership and social responsibility given at Honors Day Ceremony. The recipient is chosen by the President of the College, the Vice President for Academic Affairs, and the Vice President for Student Affairs from the three senior women ranked highest by vote of the faculty. The Henry C. Long Citation was first awarded in 1947 when the Long College for Women, created by the will of Henry C. Long, became an integral part of Hanover College. Long College for Women merged with Hanover College in 1978.

The Alpha Lambda Delta Award is given annually to recognize outstanding academic achievement of a senior who is a member of Alpha Lambda Delta, a national honor society.

The Dennis Kovener Award is given to the junior or senior student who best exemplifies Dennis' love and appreciation for the College and for its history and traditions, love of service to the College and the local community, and appreciation of the work ethic of always completing an assigned responsibility in an exemplary manner.

The Hanover College Independent Men's and Women's Awards are given annually to the unaffiliated senior man and woman who best combine high scholastic standing, extracurricular leadership, and high moral character.

The Hanover College Interfraternity Award is given annually to the fraternity senior man who best combines high scholastic standing, extracurricular leadership, fraternity leadership, and high moral character.

The Hanover College Panhellenic Award is given annually to the outstanding senior sorority woman who best combines high scholastic standing, extracurricular leadership, sorority leadership, and high moral character.

Scholarship/Leadership Awards: Presented by the Parents' Association, these awards recognize students who have successfully combined positions of responsibility on campus with academic achievement. Nominations are solicited from each recognized campus organization and final selections are made by a committee representing the Parents' Association, the Office of Student Affairs, and the Office of Academic Affairs.

Scholar/Athlete Awards: Presented by the Parents' Association, these awards are given to athletes who have distinguished themselves through successfully combining scholarship, athletic performance, and a positive mental attitude. The Outstanding Senior Athlete Awards are given annually to the senior male and female athletes best exhibiting these qualities.

The Interfraternity Scholarship Trophy is awarded each enrollment period to the fraternity whose members and pledges have attained the highest grade point average during the preceding period.

The Panhellenic Scholarship Trophy is awarded each enrollment period to the sorority whose members and pledges have attained the highest grade point average during the preceding period.

The Sigma Chi Foundation Scholarship Award: A trophy is awarded each year to the fraternity at Hanover ranking the highest in scholarship for the preceding academic year.

The Algernon Sydney and Mary Mildred Sullivan Awards are given to the male and female student who perpetuate the excellence of character and humanitarian service of the Sullivan's.

5. Departmental Prizes and Awards.

The Robert R. and Clara J. Beach Award in Sociology is awarded each year to the student who is judged to have done the most outstanding work in sociology.

The Robert E. Bowers History Award: Established in 1980 by friends, colleagues and former students in honor of Dr. Bowers, this award is given annually to the outstanding history student as determined by the Department of History.

The Dorothy S. Bucks Award in English. Endowed by Dr. Bucks, this award is to be presented annually to the outstanding graduating senior in the Department of English.

The Richard L. Conklin Award in Physics: Funded by a former student of Dr. Conklin, this award is presented annually to the sophomore physics major who shows the most promise of a fruitful career in physics or a closely-related science.

The Hilda M. Cordrey awards are presented to the two senior majors in Elementary Education with the highest academic averages.

Distinguished Departmental Awards are presented annually in departments and majors in which no endowed prizes and awards have yet been established to recognize outstanding student work. These departments include Anthropology, Art and Art History, Business Scholars Program, Classical Studies, Communication, Computer Science, Economics, Education, Environmental Science, French, Geology, German, Kinesiology and Integrative Physiology, Medieval Renaissance Studies, Music, Philosophy, Political Science, Psychology, Spanish, Theatre, and Theological Studies.

The Phyllis J. Fleming Prize for Distinction in Physics. Endowed by Dr. Linda Miller to honor Dr. Fleming '46, the Prize recognizes students interested in physics by providing them with financial support for further study and/or research in that discipline.

The John B. Goodrich Prize in Oratory: Endowed by P.E. Goodrich, this prize is given annually to the winner of an all-college competition.

The M. L. Greiner Art Purchase Award: This endowed fund provides money to purchase the most outstanding artwork of students (based upon all-college competition) during each academic year. These purchased works become a part of the Hanover College Greiner Collection.

The Ned Guthrie Chemistry Award: Endowed by Dr. Carl Weatherbee ’40, this award is given to the chemistry major who has made the most significant contribution to the College in the current academic year.

The Dr. Edward J. Hamilton Essay Prizes: Endowed by Edward H. Hamilton, Christie Patterson Hamilton, Elizabeth Hamilton Best, and Dr. James H. Hamilton, these prizes are awarded for the two best essays on any problem of ethics. Open to students who have studied ethics.

The M. Anwarul Haq International Studies Award is given to the student who has done the most outstanding scholarly work in international studies.

The Aubra Jade Hiland Award for Creative Writing was endowed in 2005 in memory of a former Hanover student by her family and friends to honor the student with the most promise in creative writing.

The Betsy Milligan Johnson ‘70 Business Scholars Program Achievement Award is given annually to a Business Scholar senior in recognition of outstanding contributions and commitment to Program excellence.

The Gerald R. Johnson ‘69 Business Scholars Award for Academic Excellence is given annually to a Business Scholar senior in recognition of outstanding academic achievement.

The John Livingston Lowes Award in English: This award, consisting of a properly inscribed book in the student’s specialty area, is presented annually by vote of the Department of English to the student whose career in advanced research is judged to be most promising.

The Frank S. Luttmer Award for the Study of History through International Experience: Given to a student selected by the History Department whom the members of the department believe will most benefit from the kind of educational experience Prof. Luttmer offered in his Spring Term course in Florence.

The Charles and Dorothy Lynn English Prize is given annually for the best paper submitted on any subject in connection with the regular course work of any junior or senior course. Dr. Willis T. Gatch donated this prize with a purpose of stimulating English proficiency in all academic disciplines. Papers must be nominated by the faculty member to whom they were originally submitted.

The Eli Mace Essay Prize, endowed by Dr. and Mrs. William H. Mace, is awarded for the best essay submitted on any problem arising out of World War I.

The R. Earl Martin Physics Award is an annual prize endowed by Dr. Carl Weatherbee ’40 and is given to the outstanding senior majoring in physics.

The Morse Mathematical Award is given to the student attaining the highest scholastic standing in mathematics.

The A. Glenn Mower, Jr., Pre-Law Award: An annual award to the senior intending to pursue the study of law who best exemplifies the qualities of integrity, sensitivity to the needs and concerns of individuals, commitment to public service, and intellectual capacity for the study and practice of law. This award includes a cash payment to the recipient's chosen law school to help defray first-year expenses.

The Charles Lathrop Pack Essay Prize is awarded for the best essay submitted by a student of the College on any phase of the problem of reforestation or the development of woodlands.

The Aastik Pokhrel Internship Award: Given to a student selected by the Office of Experiential Learning Coordinator who plans an internship in community organizing, peace and conflict resolution, gender and LGBT issues or a study abroad in Nepal.

The Enos Pray Biology Award is given to the outstanding senior biology student as determined by the department. This award is made possible by a gift from Dr. Thomas Mayer '73 in honor of professor emeritus Enos Pray, who taught at Hanover from 1953 to 1981.

The President's Evening to Honor the Arts: The work of students from the Art and Art History Department, Music Department and Theatre Department is honored on this evening.

The Darryl L. Steinert Award in Physics is awarded to the junior physics major showing the greatest promise of pursing physics or physics-related research leading to the completion of a senior thesis during the senior year. The award is endowed by Dr. Sean Points and other former students of Dr. Steinert.

The Philip R. Taylor Award for Student Publishing was endowed in 2005 in memory of a former Hanover student by his family and friends to support a student in his or her publishing or presentation of a Senior Thesis Project.

The Dr. Edward Payson Whallon Essay Prize is awarded for the best essay submitted by a student on "The Religious Purpose in the Founding of Hanover College in Helping to Educate Young Men for the Gospel Ministry."

The Margaret Kitchel Whallon Essay Prize is awarded to the student who writes the best essay on the subject: "John Finley Crowe, the Hero Founder of Hanover College."

The Keith and Gwen White Award for Graduate Study in Chemistry is endowed by Dr. Carl Weatherbee '40 and his wife, Lucille, and is given annually to the outstanding student of chemistry intent on pursuing graduate study in the field or planning to enter medical school and selected by the Department.

The Dr. John E. Yarnelle Mathematics Prize: Established in 1975 in honor of Dr. Yarnelle by alumni in mathematics, this prize is given each spring to the outstanding Junior mathematics major chosen by the Department of Mathematics.

The George A. and Sara O. Zirkle Award in Psychology is endowed by Dr. Carl Weatherbee '40 and his wife, Lucille, and is given annually to the outstanding senior student of psychology as determined by the department.

NOTE: If in the opinion of the judges there are no deserving entries in a given year, any of the above listed prizes may not be awarded in that year.

STUDENT RECORDS AND TRANSCRIPTS

A record of the student's academic progress is kept in the Registrar's Office, where it is available for review by the student. An official transcript will be provided upon receipt of a written request that bears the signature of the student. Students may fill out a Transcript Request Form in the Registrar's Office, request a transcript by letter, or request it by fax.

Transcript Requests

For specific instructions on how to order an official transcript, including the current cost, please consult the Registrar's web page: **http://www.hanover.edu/academics/registrar/transcripts or contact the Registrar's Office by calling (812) 866-7051.**

Transcripts are usually mailed within five days of receiving a request. Electronic delivery of an official transcript may also be an option; consult the Registrar's webpage (above) for more information. An unofficial copy of a transcript may be faxed to a fax machine number, and an official, sealed transcript sent to another address. Transcripts that are picked up at the Registrar's Office will be stamped "UNOFFICIAL COPY" unless they are sealed by request.

Please note that transcript requests cannot be honored if you are financially indebted to the College. If you are unsure about your account, please call the Registrar's Office (812-866-7051) in advance of submitting your request and your records will be checked. Also note that transcripts cannot be ordered by telephone, as federal law requires the signature of the person whose transcript is requested.

Requests for transcripts, grades, or other information such as courses completed, etc. cannot be issued to an outside party unless the student has given the Registrar written permission to release this information to that specific party, as allowed under The Family Educational Rights & Privacy Act (FERPA).

ASSESSMENT

The academic departments of Hanover College, as well as some of the administrative offices that serve the academics of the College, participate in a process of assessment. The goal is to evaluate the effectiveness of classroom instruction and our students' ability in writing across the curriculum, verbal communication, and critical thinking, with an eye toward improvement. Toward this end, students may be asked to participate in the process, which is guided by the Committee on Learning and Teaching, comprised of faculty, students, and administrative representatives.

VETERANS AFFAIRS (VA) BENEFITS RECIPIENTS

Hanover College complies with Title 38 of the U.S. Code Section 3679(e) for students entitled to educational assistance under Chapter 31, Vocational Rehabilitation and Employment, or Chapter 33, Post-9/11 GI Bill benefits. For more information, contact the School Certifying Official (SCO) in the Registrar's Office.

GENERAL EDUCATION REQUIREMENTS: CORE CURRICULUM REQUIREMENTS (CCRs) and AREAS OF COMPETENCY AND ENGAGEMENT (ACEs)

Starting in the Fall Term of 2016, students new to the College will follow the general education requirements (CCRs and ACEs) described below.

AUGUST EXPERIENCE

* intense introduction to college-level modes of inquiry for first-year students.
* includes common readings.
* begins intensive work on writing and public speaking.
* establishes students' first advising relationships.
* includes co-curricular activities such as films, field-trips, and speakers to enhance course content and extend it beyond the classroom.

First-Year Experience (FY)

Introduces students to the scholarly community and the liberal arts and helps them to develop the intellectual skills and practical habits integral to college success. Students will investigate and apply theories of cognition, learning, and personal development, and explore their vocational interests and aptitudes, all with the goal of becoming more self-reflective and proactive about their approach to academics and to life.

First-Year Seminar (FY) — .5 unit.

The central aims of this requirement are to help students to begin to: 1) understand the history, value, and purpose of a liberal arts education and what it means to be successful members of a scholarly community; 2) develop higher-order intellectual skills, including close reading, critical analysis, and effective argument; 3) identify and apply the foundational techniques that promote academic excellence, including effective note-taking, time management, and study skills; 4) investigate and internalize theories of learning and cognition in order to become self-aware and strategic learners, able to maximize their strengths and adjust for their weaknesses; 5) develop effective personal strategies for managing stress, navigating obstacles, and becoming persistent and resilient adults, able to successfully navigate social and professional situations at the college level and beyond; and 6) explore and reflect on their interests, abilities, and aspirations so that they can shape their college experience and their lives in a way that is rich and intentional.

* FY must be taken in the first semester after matriculation
* This requirement will be waived for college-level transfer students who successfully completed (C- or above) a minimum of one full-time term of classes after high school graduation.

SUMMARY

Core Curriculum Requirements (CCRs)

The Core Curriculum Requirements establish a framework for a diverse distribution of liberal arts courses and life-long learning. Students explore a breadth of foundational study across the curriculum.

* Literary and Artistic Perspectives (LA): 2 units, different disciplines
* Historical and Social Perspectives (HS): 2 units, different disciplines

* Philosophical and Religious Perspectives (PP and RP): 1 unit PP and 1 unit RP
* Scientific, Mathematical, and Algorithmic Methods (SM and SL): 3 units, different disciplines, at least 1 SL
* World Languages (WL): 2-course sequence (2 units)
* Health and Fitness Applied (AF): 2 activity classes (0.25 unit each)

Areas of Competency and Engagement (ACEs)

Competency and Engagement designations represent a campus-wide commitment to the skills and awareness expected of an educated person. These courses are offered throughout the curriculum and across disciplines. Most students will fulfill them in conjunction with CCRs or their major requirements.

* 2 courses Writing (1 each of W1 and W2)
* 1 course Speaking (S)
* 1 course Cultural Perspectives (CP)
* 1 course Quantitative Literacy (QL)

Core Curriculum Requirements (CCRs)

The Core Curriculum Requirements establish a framework for a diverse distribution of liberal arts courses and life-long learning. Students explore a breadth of foundational study across the curriculum.

1. Literary and Artistic Perspectives (LA) — 2 units in different disciplines.
The central aims of courses that fulfill this requirement are to: 1) interpret, analyze, or create works of art or literary texts; 2) explore the power of literary or artistic works to both reflect and influence individuals, society, and culture; 3) recognize the roles imagination and empathy play in understanding others and the world around us; 4) appreciate the process of artistic creation and 5) examine the history of, theory behind, and/or techniques utilized in literary texts or creative work.

Anthropology
ANTH 222 World Ethnographies

Art and Design
ART 114 Ceramics I
ART 115 Sculpture I
ART 116 Printmaking I
ART 117 Photography I
ART 119 Painting I
ART 171 Foundations of Art and Design
ART 210 Graphic Design I
ART 212 Contemporary Art Practices
ART 213 Illustration I
ART 214 Ceramics II
ART 215 Sculpture II
ART 216 Printmaking II
ART 217 Photography II
ART 219 Painting II
ART 224 Design Thinking and Problem Solving

ART 245 Large-scale Painting
ART 246 Environmental Art
ART 310 Graphic Design II
ART 313 Illustration II
ART 314 Ceramics III
ART 315 Sculpture III
ART 316 Printmaking III
ART 317 Photography III
ART 319 Painting III

Art History

ARTH 111 History of Eastern Art
ARTH 112 History of Western Art
ARTH 171 Beauty and Idea in Asian Art
ARTH 210 Arts and Cultures of China
ARTH 212 Arts and Cultures of Japan
ARTH 214 Asian Art and Film
ARTH 225 Introduction to Classical Art and Archaeology
ARTH 328 Contemporary Art
ARTH 339 Ancient Art and Architecture
ARTH 343 Baroque and 18th-Century Art and Architecture
ARTH 344 19th-Century Art and Architecture
ARTH 345 Art in the United States
ARTH 348 Modern and Contemporary Chinese Art

Classical Studies

CLA 162 Ancient Eurasia
CLA 171 Ancient Comedy and Tragedy
CLA 172 Ancient Epic
CLA 224 Topics in Classical Mythology
CLA 225 Introduction to Classical Art and Archaeology.
CLA 234 Classical Literature in Translation

Communication

COM 161 Rhetoric of American Identity
COM 210 Graphic Design I
COM 243 Video Production
COM 251 American Journalism
COM 324 Rhetorical Theory
COM 345 Documentary Production

Education

EDU 172 Exploring the Arts

English

ENG 113 Introduction to Poetry
ENG 161 Poetry: The Spoken Word
ENG 171 American Avant-Garde
ENG 172 The Quest Archetype in Literature
ENG 173 Fiction and Its Genres
ENG 174 Welcome to Bollywood
ENG 175 Journeys to the Underworld

ENG 176 Medieval and Renaissance Eurasia
ENG 177 Mythography of the Monstrous
ENG 178 Beauty and the Beast in Literature
ENG 179 Water
ENG 181 Shakespeare and Film
ENG 182 Satire and the American Personality
ENG 217 Fairy Tale Fictions
ENG 218 Viking Myths and Legends
ENG 219 Love and Death: Star-Crossed Lovers
ENG 243 Survey I: Early Literature
ENG 244 Survey II: Medieval English Literature
ENG 245 Survey III: Renaissance and Restoration Literature, 1500-1700
ENG 246 Survey IV: English Literature 1700-1900
ENG 247 Survey V: American Literature
ENG 251 American Journalism
ENG 265 20th Century Irish Literature and History
ENG 321 20th-Century Poetry
ENG 322 20th-Century Fiction
ENG 324 The Short Story
ENG 325 African-American Literature
ENG 326 Women in Fiction
ENG 327 Arthurian Literature
ENG 331 The English Novel in the 19th Century
ENG 334 Shakespeare
ENG 336 Modern and Contemporary Drama
ENG 338 The American Renaissance
ENG 340 Law and Literature
ENG 347 Chaucer
ENG 348 Shakespeare in England
ENG 350 Florence in the Age of Dante and Petrarch

French

FRE 222 French Cinema
FRE 312 French Film Studies

German

GER 222 German Cinema
GER 242 Masterpieces of German Literature (in Translation).
GER 243 Interdisciplinary Works
GER 244 ntercultural Communication
GER 245 Crossing Boundaries
GER 322 German Film Studies
GER 343 Interdisciplinary Works
GER 344 Intercultural Communication
GER 345 Crossing Boundaries

Music

MUS 112 Literature of Music
MUS 218 American Music
MUS 231 History of Music I
MUS 325 Conducting and Literature

Taking a unit's worth (i.e. 4 courses) from the ensemble music course list *

MUS 101 Concert Band
MUS 102 College Choir
MUS 103 Chamber Singers
MUS 104 Chamber Orchestra

Taking a unit's worth from the applied music course list *

MUS 071 Piano
MUS 073 Voice
MUS 074 Instrument
Must 301 Advanced Piano
MUS 303 Advanced Voice
MUS 304 Advanced Instrument

***Or a combination of courses totaling 1 unit from the ensemble and applied music lists**

Philosophy

PHI 247. Wisdom Traditions of Ancient China

Sociology

SOC 222 World Ethnographies

Spanish

SPA 320 Introduction to Literature in Spanish
SPA 321 Latin American Society through Film
SPA 322 Reading Spanish Film
SPA 327 Studies in the Cultures of Spain
SPA 328 Contemporary Spain
SPA 329 Women and Gender in Spain
SPA 330 Latin American Identities/Cultures
SPA 331 Latin American Lit./Popular Culture
SPA 336 Medieval and Golden Age Spain
SPA 337 Studies in Latin American Literature and Culture
SPA 339 The Clash of Cultures
SPA 428 Adv. Contemporary Spain
SPA 429 Adv. Women and Gender in Spain
SPA 430 Adv. Latin Am. Identities/Cultures
SPA 431 Adv. Latin Am. Lit./Popular Culture
SPA 436 Adv. Medieval and Golden Age Spain
SPA 439 Adv. Clash of Cultures

Theatre

THR 114 Introduction to the Theatre
THR 115 Film as Art
THR 122 Theatre History and Culture I
THR 125 Acting: Principles
THR 222 Theatre History and Culture II
THR 312 Western Drama: Greeks to Realism
THR 331 Directing for the Stage
THR 332 Contemporary Theatre
THR 345 Playwriting
THR 348 Shakespeare in England

2. Historical and Social Perspectives (HS) – 2 units in different disciplines.
The central aims of courses that fulfill this requirement are to: 1) examine the distinguishing features of the social world in a global or historical context, 2) confront issues of causality and human motivation, 3) give consideration to ethical issues embedded in the social world, 4) explain key ways of evaluating evidence when examining historical and social issues.

Anthropology
ANTH 161 Africa Today
ANTH 162 World Cultures and Societies
ANTH 233 Native North America: Peoples and Culture
ANTH 238 Middle East: Peoples and Cultures
ANTH 242 Northern and Western Africa: Peoples and Cultures
ANTH 243 Eastern and Southern Africa: Peoples and Cultures
ANTH 259 Immigration and Transnationalism
ANTH 332 Food, Body, and Culture
ANTH 334 International Development
ANTH 336 Gender in Cross-Cultural Perspective
ANTH 424 Theory in Anthropology

Art History
ARTH 225 Introduction to Classical Art and Archaeology

Classical Studies
CLA 163 Argument & Persuasion in Antiquity
CLA 173 The Writing of History
CLA 225 Introduction to Classical Art and Archaeology
CLA 251 Greek History
CLA 252 Roman History
CLA 253 Roman Games
CLA 345 Advanced Topics in Mediterranean Archaeology
CLA 346 Society and Politics in Athens
CLA 351 Alexander & the Hellenistic World

Communication
COM 163 Argument & Persuasion in Antiquity
COM 164 War and Upheaval through Film
COM 240 Survey of Mass Media
COM 323 Gender and Communication
COM 325 Political Rhetoric and Campaigns
COM 327 Interpersonal Communication
COM 328 Cross-Cultural Communication
COM 342 Multimedia Journalism

Economics
ECO 161 Foundations of Economics

French
FRE 161 Francophone Multiculturalism

History

HIS 161	The Modern West
HIS 162	Modern Politics: East Asia
HIS 165	The Family and the Modern West
HIS 167	Speaking of American History
HIS 171	World Civilizations to 1500
HIS 172	World Civilizations since 1500
HIS 173	Africa in World History
HIS 215	The West: Ancient to Medieval
HIS 216	The West: Renaissance to 1800
HIS 217	The West: 1800 to the Present
HIS 218	Genres of History
HIS 219	The History of Human Rights
HIS 223	American Immigration History
HIS 225	The History of the American Midwest
HIS 226	Abraham Lincoln and the American Dream
HIS 227	Twentieth-Century America and Your Family
HIS 229	American Women's History
HIS 230	American Military History, 1600 to 1903
HIS 231	American Military History, 1903 to Present
HIS 232	Studies in American Indian History
HIS 234	Studies in American Cultural History
HIS 241	Tsarist Russia
HIS 242	The Soviet Union
HIS 243	Tudor and Stuart England
HIS 244	Studies in Early Modern Europe
HIS 248	Britain in the Long 18th Century
HIS 249	Victorian Britain
HIS 251	Greek History
HIS 252	Roman History
HIS 253	Roman Games
HIS 254	The Crusades
HIS 256	The Vikings
HIS 264	The World Since 1945
HIS 265	Studies in World History
HIS 266	History of China
HIS 267	History of Japan
HIS 268	History of Modern Science
HIS 325	The Holocaust
HIS 326	High and Later Middle Ages
HIS 327	Renaissance and Reformation
HIS 330	Studies in the History of American Thought
HIS 333	American Colonial History, 1600-1750
HIS 334	The New American Nation, 1750-1815
HIS 335	To Form a More Perfect Union, 1815-1877
HIS 336	The Search for Order, 1877-1945
HIS 337	Modern America, 1945 to Present
HIS 338	The Jazz Age
HIS 348	The French Revolution and Napoleon
HIS 349	Nazi Germany

HIS 351 Alexander & the Hellenistic World
HIS 354 The World War, 1914-1918
HIS 358 The British Empire
HIS 359 Medieval and Renaissance Florence
HIS 361 Genocide
HIS 362 Modern China
HIS 364 Traditional China
HIS 365 History of the Middle East
HIS 366 Studies in Historiography
HIS 367 China and Christianity

International Studies
INS 161 Modern Africa
INS 261 Africa and the Americas: Literature and Society in Africa

Modern Languages
ML 161 Latin American Cinema

Physics
PHY 226 From Ancient Thought to Modern Science

Political Science
PLS 161 Democracy
PLS 162 Modern Politics: Power and Ideas
PLS 163 Politics, Society and Film
PLS 164 Community, Environment and Politics
PLS 219 Middle Eastern Politics
PLS 225 Women in the Developing World
PLS 231 World Politics

Psychology
PSY 111 Basic Principles of Psychology

Sociology
SOC 164 Introduction to Sociology
SOC 259 Immigration and Transnationalism

3. Philosophical and Religious Perspectives (PP and RP) — 2 units in different disciplines; 1 course from PP and 1 from RP.

The central aims of courses that fulfill this requirement are to: 1) detect, analyze, and assess philosophical and/or theological truth claims, understanding some of the key epistemological issues that arise in the asking of certain fundamental human questions; 2) study and engage philosophical texts and traditions, along with fundamental questions about reality, experience, meaning, language, knowledge, values, and/or the nature of persons; 3) study and engage religious texts and traditions, myths, symbols, ethics, communities, and/or movements, along with pressing questions about ultimate realities; and 4) reflect critically upon one's own deeply held convictions about ultimate human concerns and the implications of holding these convictions for daily life.

PP: Any course that satisfies objectives 1, 2, and 4

Business Scholars Program
BSP 212 Ethics and Commerce

Classical Studies
CLA 226 Medieval Philosophy

Philosophy

PHI 161 Philosophy and the Human Condition
PHI 163 Philosophical Issues and Classic Texts
PHI 164 Philosophical Perspectives on Nature
PHI 165 Philosophy and Ethics
PHI 166 Reason and Belief
PHI 167 Foundational Issues in Philosophy
PHI 211 Classic Texts of Feminism
PHI 212 Ethics and Commerce
PHI 222 Classical Indian Philosophy
PHI 224 Modern Philosophy
PHI 225 Classical Greek Philosophy
PHI 226 Medieval Philosophy
PHI 232 Existentialism
PHI 237 Ethics: Theory and Practice
PHI 240 Philosophy and Tai Ji
PHI 242 Daoism and Cooking
PHI 244 Daoism and Chan Buddhism
PHI 246 The Logic of Daoism
PHI 264 Environmental Philosophy

RP: Any course that satisfies objectives 1, 3, and 4

Art History

ARTH 213 Art for Death and Afterlife

Anthropology

ANTH 311 The World of Islam
ANTH 316 Comparative Spiritual Traditions
ANTH 333 Magic, Witchcraft, and Religion

Theological Studies

THS 111 The Theology and Ethics of MLK, Jr.
THS 112 God, Death & the Afterlife
THS 161 Theology and the Human Condition
THS 165 Theology and Ethics
THS 171 Interfaith Encounters
THS 172 Issues in Religious Ethics
THS 225 Great Spiritual Questions
THS 234 The Problem of Suffering

4. Scientific, Mathematical and Algorithmic Methods (SM and SL) — 3 units in different disciplines; at least 1 course must include a natural-science laboratory or field-study experience (SL).

SM: The central aims of courses that fulfill this requirement are to: 1) expose students to the nature and limits of scientific knowledge and mathematical and/or algorithmic reasoning, and 2) expose students to the language, theory, and practice of disciplines within the scientific, mathematical and/or algorithmic realms.

Computer Science

CS 112. Computer Science Principles
CS 220 Fundamentals of Computer Science
CS 223 Data Structures

Economics

ECO 234 Rational Choices

Mathematics

MAT 121 Calculus I
MAT 122 Calculus II
MAT 210 Mathematics: Topics for the Liberal Arts
MAT 212 Mathematics for Elementary School Teachers
MAT 217 Applied Statistics
MAT 220 Logic, Sets and Relations
MAT 243 Discrete Mathematics I

Philosophy

PHI 234 Rational Choices
PHI 321 Formal Logic

SL: In addition to the SM aims, courses that fulfill the laboratory or field-study requirements will also 3) expose students to scientific methodology and the connections between scientific theory and physical phenomena.

Astronomy

AST 165 Stars and the Universe
AST 166 The Solar System

Biology

BIO 161 Ecology and Evolution
BIO 165 Concepts of Biology
BIO 185 Cell and Molecular Biology
BIO 223 General Microbiology

Chemistry

CHE 161 Principles of Chemistry I

Environmental Science

ENV 265 Global Environmental Change

Geology

GEO 161 Physical Geology
GEO 162 Geology of National Parks and Monuments
GEO 163 Environmental Geology
GEO 239 Field Studies in Historical Geology
GEO 261 Issues in Environmental Geology
GEO 262 History of Life

Kinesiology and Integrative Physiology

KIP 161 Introduction to Kinesiology and Integrative Physiology

Physics

PHY 161 General Physics I
PHY 162 Introductory Mechanics
PHY 185 General Physics II
PHY 186 Introductory Electromagnetism

Psychology

PSY 162 Neuropsychology
PSY 164 Sensation and Perception

5. World Languages and Cultures (WL) — 2-unit sequence in the same language.

The central aims of courses that fulfill this requirement are to: 1) build skills in a second language, 2) encourage understanding of the nature of language in general, 3) provide insight into and knowledge of other cultures, and 4) prepare students for participation in the global community. An additional central aim of modern language courses that fulfill this requirement is to: 5) foster openness to others' views of the world, in part through analyzing one's own.

French

FRE 115	Beginning French I
FRE 116	Beginning French II
FRE 217	Intermediate French
FRE 218	Advanced Intermediate French
FRE 227	Off-Campus French Conversation in a Contemporary Context
FRE 228	On-Campus French Conversation in a Contemporary Context
FRE 239	French Civilization and Culture Before 1900
FRE 240	Contemporary French Business and Culture
FRE 310	Studies in French Literature and Culture
FRE 311	Studies in Francophone Literatures and Cultures
FRE 320	Introduction to French Literature
FRE 332	17th and 18th Century French Literature
FRE 335	19th-Century French Literature
FRE 336	20th-Century French Literature
FRE 423	French Middle Ages and 16th-Century Literature

German

GER 115	Beginning German I
GER 116	Beginning German II
GER 217	Intermediate German
GER 218	Advanced Intermediate German
GER 227	Off Campus German Conversation
GER 228	German Conversation
GER 321	Cities and Regions

Greek

GRE 115	Beginning Classical Greek I
GRE 116	Beginning Classical Greek II
GRE 217	Intermediate Greek
GRE 218	Advanced Intermediate Greek
GRE 323	Ancient Greek Poetry/Drama
GRE 324	Ancient Greek Prose

Latin

LAT 115	Introduction to Classical Latin I
LAT 116	Introduction to Classical Latin II
LAT 217	Intermediate Latin I
LAT 218	Intermediate Latin II
LAT 320	Medieval Latin
LAT 321	Latin Poetry
LAT 324	Latin Prose

Spanish

SPA 115	Beginning Spanish I
SPA 116	Beginning Spanish II
SPA 217	Intermediate Spanish I: The Spanish Speaking World
SPA 219	Intermediate Spanish II: “Hispanics” in the U.S.
SPA 227	Off-Campus Spanish Conversation and Culture
SPA 228	On-Campus Spanish Conversation in a Contemporary Context
SPA 230	Spanish Culture and Civilization
SPA 231	Spanish American Culture and Civilization
SPA 319	Stylistics and Composition

6. Health and Fitness Applied (AF) — two 0.25 unit courses.

Two quarter-unit classes prior to winter term of the senior year. Students can earn .25 unit for participating in a season of a varsity sport when they register for the corresponding HFA course in the main term when the sport is played. Students who complete a season each of two different varsity sports will have completed their AF requirement.

A central aim of courses that fulfill this requirement is to promote a student's health and physical fitness through their involvement in organized physical activities.

Varsity Sport

HFA 028	Varsity Cheerleading
HFA 029	Varsity Swimming
HFA 030	Varsity Cross Country
HFA 031	Varsity Golf
HFA 032	Varsity Tennis
HFA 033	Varsity Track and Field
HFA 034	Varsity Baseball
HFA 035	Varsity Softball
HFA 036	Varsity Basketball
HFA 037	Varsity Football
HFA 038	Varsity Soccer
HFA 039	Varsity Volleyball
HFA 040	Varsity Lacrosse

Fitness Activities

HFA 043	Volleyball
HFA 045	Sand Volleyball
HFA 046	Beginning Lacrosse
HFA 047	Floor Hockey
HFA 050	Adapted Fitness Activities
HFA 051	Ultimate Frisbee
HFA 052	BOSU Ball
HFA 060	Special Topics
HFA 066	Tennis
HFA 067	Fitness Walking
HFA 068	Fitness Running
HFA 070	Aerobic Activities
HFA 073	Self-Defense for Women
HFA 074	Weight Conditioning
HFA 075	Racquetball
HFA 076	Racquet Sports
HFA 077	Circuit Training
HFA 092	Bowling
HFA 096	Beginning Golf
HFA 097	Advanced Golf
HF 105	Essential Movement for Elementary Children (Counts as 0.25 credit toward the HFA CCR)

Areas of Competency and Engagement (ACEs)

Competency and Engagement designations represent a campus-wide commitment to the skills and awareness expected of an educated person. These courses are offered throughout the curriculum and across disciplines. Most students will fulfill them in conjunction with CCRs or their major requirements.

1. Writing and Speaking (WS) — A 2-level Writing (W) requirement and a Speaking (S) requirement.

Developing strong writing and speaking skills is a hallmark of a Hanover education. Hanover College courses across the curriculum include instruction and practice in communication skills, as students are expected to participate actively in class discussions and debates; write essays and term papers; present their research in class and at conferences; and make effective arguments on important issues within their field and in society at large.

Although almost all Hanover courses involve writing and speaking experiences, some classes have been given specific designations due to the type of guidance and assignments they offer.

Writing 1 (W1)

The central aims of courses that fulfill the W1 designation are to: 1) learn and engage in college-level writing; 2) take clear and purposeful positions on subjects of importance and support them effectively through a thesis statement, supporting evidence, and cogent arguments that lead to a clear conclusion; 3) understand writing as a process by revising for clarity, consistency, and mechanical correctness; and 4) demonstrate the ability to document evidence. A W1 course should be taken in a student's first semester at Hanover if at all possible.

Anthropology

ANTH 162 World Cultures and Societies
ANTH 222 World Ethnographies

Art

ART 171 Foundations of Art and Design

Art History

ARTH 171 Beauty and Ideas in Asian Art

Classical Studies

CLA 171 Ancient Comedy and Tragedy
CLA 172 Ancient Epic
CLA 173 The Writing of History

Communication

COM 164 War and Upheaval through Film
COM 251 American Journalism

Education

EDU 172 Exploring the Arts

English

ENG 171 American Avant-Garde
ENG 172 The Quest Archetype in Literature
ENG 173 Fiction and Its Genres
ENG 174 Welcome to Bollywood
ENG 175 Journeys to the Underworld
ENG 176 Medieval and Renaissance Eurasia
ENG 177 Mythography of the Monstrous

ENG 178 Beauty and the Beast in Literature
ENG 179 Water
ENG 181 Shakespeare and Film
ENG 182 Satire and the American Personality
ENG 251 American Journalism

French
FRE 222 French Cinema
FRE 312 French Film Studies

History
HIS 171 World Civilizations to 1500
HIS 172 World Civilizations since 1500
HIS 173 Africa in World History

Interdisciplinary Studies
ID 171 Literature and Politics

Music
MUS 112 Literature of Music

Sociology
SOC 222 World Ethnographies

Theatre
THR 115 Film as Art
THR 122 Theatre History and Culture I

Theological Studies
THS 171 Interfaith Encounters
THS 172 Issues in Religious Ethics

Speaking (S)
The central aims of courses that fulfill the S designation are to: 1) demonstrate skill in structuring oral presentations for maximum effectiveness, interest and clarity; 2) present clear positions on subjects of importance and support them with evidence; 3) critically evaluate and respond to the arguments of others, recognizing premises, chains of reasoning, ambiguities, implications, and logical fallacies; and 4) consider purpose, audience, context, and style in spoken work. Speaking should be fulfilled by the end of the sophomore year.

Anthropology
ANTH 325 Methods in Anthropology
ANTH 332 Food, Body, and Culture
ANTH 336 Gender in Cross-Cultural Perspective

Art and Design
ART 114 Ceramics I
ART 115 Sculpture I
ART 116 Printmaking I
ART 117 Photography I
ART 119 Painting I
ART 212 Contemporary Art Practices
ART 213 Illustration I
ART 214 Ceramics II
ART 215 SculptureII
ART 216 Printmaking II

ART 217 Photography II
ART 219 Painting II
ART 224 Design Thinking and Problem Solving
ART 245 Large-scale Painting
ART 246 Environmental Art
ART 313 Illustration II
ART 314 Ceramics III
ART 315 Sculpture III
ART 316 Printmaking III
ART 317 Photography III
ART 319 Painting III

Art History

ARTH 212 Arts and Cultures of Japan
ARTH 348 Modern and Contemporary Chinese Art

Classical Studies

CLA 162 Ancient Eurasia
CLA 163 Argument & Persuasion in Antiquity

Communication

COM 161 Rhetoric of American Identity
COM 163 Argument & Persuasion in Antiquity
COM 211 Public Communication
COM 242 Visual Communication
COM 328 Cross-Cultural Communication
COM 345 Documentary Production

Education

EDU 226 Educational Technology
EDU 252 Professional Collaboration
EDU 304 Elementary Methods: Math
EDU 305 Elementary Methods: Language Arts
EDU 315 Secondary Methods: Teaching High School
EDU 332 Secondary Methods: Art
EDU 333 Secondary Methods: Language Arts
EDU 334 Secondary Methods: World Languages
EDU 335 Secondary Methods: Mathematics
EDU 336 Secondary Methods: Physical Education and Health
EDU 337 Secondary Methods: Science

English

ENG 161 Poetry: The Spoken Word
ENG 217 Fairy Tale Fictions
ENG 243 Survey I: Early Literature
ENG 326 Women in Fiction

Environmental Science

ENV 265 Global Environmental Change

German

GER 248 German for the Professions
GER 348 German for the Professions

History

HIS 167 Speaking of American History

Music
MUS 325 Conducting and Literature

Philosophy
PHI 165 Philosophy and Ethics
PHI 225 Classical Greek Philosophy
PHI 351 Philosophy Seminar

Writing 2 (W2)
Courses that fulfill the W2 designation focus on research methods and research writing appropriate to the discipline and to the specific course. Writing at this level introduces students to how to formulate questions within a specific discipline, to formulate a methodology for addressing those questions, and to evaluate and employ evidence for advancing their conclusions in writing.

Anthropology
ANTH 238 Middle East: Peoples and Cultures
ANTH 242 Northern and Western Africa: Peoples and Cultures
ANTH 243 Eastern and Southern Africa: Peoples and Cultures
ANTH 311 The World of Islam
ANTH 316 Comparative Spiritual Traditions
ANTH 333 Magic, Witchcraft, and Religion
ANTH 334 International Development
ANTH 424 Theory in Anthropology
ANTH 471 Senior Thesis

Art History
ARTH 210 Arts and Cultures of China
ARTH 362 Theories and Methods in Art History

Biology
BIO 314 Molecular Biology
BIO 316 Animal Behavior

Chemistry
CHE 372 Communication in Chemistry

Classical Studies
CLA 224 Topics in Classical Mythology
CLA 234 Classical Literature in Translation

Communication
COM 324 Rhetorical Theory
COM 330 Communication Research and Methodology

Computer Science
CS 461 Senior Seminar

Education
EDU 314. Secondary Methods: Teaching Middle School
EDU 221 Education & the American Culture

English
ENG 218 Viking Myths and Legends
ENG 244 Survey II: Medieval English Literature
ENG 245 Survey III: Renaissance and Restoration Literature, 1500-1700
ENG 246 Survey IV: English Literature 1700-1900
ENG 247 Survey V: American Literature
ENG 325 African-American Literature

ENG 327 Arthurian Literature
ENG 331 The English Novel in the 19th Century
ENG 340 Law and Literature
ENG 347 Chaucer
ENG 353 Studies in Poetry
ENG 354 Studies in Fiction
ENG 356 Studies in Drama

German

GER 222 German Cinema
GER 243 Interdisciplinary Works
GER 322 German Film Studies
GER 343 Interdisciplinary Works

Greek

GRE 218 Advanced Intermediate Greek

History

HIS 232 Studies in American Indian History
HIS 242 The Soviet Union
HIS 243 Tudor and Stuart England
HIS 254 The Crusades
HIS 256 The Vikings
HIS 348 The French Revolution and Napoleon
HIS 354 The World War, 1914-1918
HIS 361 Genocide
HIS 365 History of the Middle East

Kinesiology and Integrative Physiology

KIP 327 Physiology of Exercise

Latin

LAT 218 Intermediate Latin II

Philosophy

PHI 338 History of Political Thought (same as PLS 235)

Physics

PHY 341 Advanced Physics Laboratory

Political Science

PLS 212 American Foreign Policy
PLS 219 Middle Eastern Politics
PLS 235 History of Political Thought (same as PHI 338)
PLS 331 International Law and Organizations
PLS 335 International Political Economy

Psychology

PSY 333 Learning
PSY 344 Social Psychology
PSY 346 Adulthood and Aging

Spanish

SPA 357 Internship
SPA 457 Academic Internship as the Culminating Experience
SPA 471 Senior Thesis

Theatre
THR 222 Theatre History and Culture II
THR 312 Western Drama: Greeks to Realism

Theological Studies
THS 222 Medical Ethics
THS 229 Comparative Religious Ethics

2. Cultural Perspectives (CP) — 1 course.
The central aims of courses that fulfill this designation are to: 1) examine Non-West and Latin American cultures, as well as the cultures of marginalized groups in the United States, from the perspectives of those cultures; 2) articulate different ways of understanding the human condition and identify distinctions among cultural systems, products, structures, preferences, behaviors and values; 3) better understand one's own self, society, and culture, through the study of alternatives; 4) build the cultural competency necessary to operate in a diverse and global environment; and 5) discuss the impact of environment and geography on culture.

Anthropology
ANTH 161 Africa Today
ANTH 162 World Cultures and Societies
ANTH 222 World Ethnographies
ANTH 223 Art and Social Life in Taiwan
ANTH 233 Native North America: Peoples and Culture
ANTH 238 Middle East: Peoples and Cultures
ANTH 242 Northern and Western Africa: Peoples and Cultures
ANTH 243 Eastern and Southern Africa: Peoples and Cultures
ANTH 259 Immigration and Transnationalism
ANTH 311 The World of Islam
ANTH 316 Comparative Spiritual Traditions
ANTH 332 Food, Body, and Culture
ANTH 333 Magic, Witchcraft, and Religion
ANTH 334 International Development
ANTH 336 Gender in Cross-Cultural Perspective

Art History
ARTH 111 History of Eastern Art
ARTH 210 Arts and Cultures of China
ARTH 212 Arts and Cultures of Japan
ARTH 214 Asian Art and Film
ARTH 223 Art and Social Life in Taiwan
ARTH 348 Modern and Contemporary Chinese Art

Classical Studies
CLA 162 Ancient Eurasia

Communication
COM 328 Cross-Cultural Communication

English
ENG 174 Welcome to Bollywood
ENG 176 Medieval and Renaissance Eurasia

French
FRE 161 Francophone Multiculturalism

German

GER 244 Intercultural Communication
GER 344 Intercultural Communication

History

HIS 162 Modern Politics: East Asia
HIS 173 Africa in World History
HIS 232 Studies in American Indian History
HIS 266 History of China
HIS 267 History of Japan
HIS 362 Modern China
HIS 364 Traditional China
HIS 365 History of the Middle East
HIS 367 China and Christianity

International Studies

INS 161 Modern Africa
INS 261 Africa and the Americas: Literature and Society in Africa

Modern Languages and Culture

ML 161 Latin American Cinema

Philosophy

PHI 240 Philosophy and Tai Ji
PHI 242 Daoism and Cooking
PHI 244 Daoism and Chan Buddhism
PHI 246 The Logic of Daoism
PHI 247 Wisdom Traditions of Ancient China

Political Science

PLS 219 Middle Eastern Politics
PLS 225 Women in the Developing World
PLS 231 World Politics

Sociology

SOC 216 Juvenile Delinquency
SOC 222 World Ethnographies
SOC 223 Art and Social Life in Taiwan
SOC 259 Immigration and Transnationalism
SOC 318 Race and Ethnic Relations
SOC 327 Sociology of Children and Youth
SOC 333 The Self and Social Interaction
SOC 336 Crime and Corrections
SOC 348 Race, Gender and Sexuality

Spanish

SPA 219 Intermediate Spanish II: “Hispanics” in the U.S.
SPA 231 Spanish American Culture and Civilization
SPA 321 Latin American Society through Film
SPA 330 Latin American Identities/Cultures
SPA 331 Latin American Lit./Popular Culture
SPA 339 The Clash of Cultures
SPA 430 Adv. Latin Am. Identities/Cultures
SPA 431 Adv. Latin Am. Lit./Popular Culture
SPA 439 Adv. Clash of Cultures

Theatre
THR 311 Global Theatre
THR 332 Contemporary Theatre

Theological Studies
THS 111 The Theology and Ethics of MLK, Jr.
THS 228 Race, Ethnicity, and Religion

3. Quantitative Literacy (QL) — 1 course.
The central aims of courses that fulfill the quantitative literacy designation are as follows: 1) Use quantitative methods to reach conclusions and solve problems, and 2) Understand both the power and the limitations of quantitative methods.

Astronomy
AST 165 Stars and the Universe
AST 166 The Solar System

Biology
BIO 161 Ecology and Evolution
BIO 185 Cell and Molecular Biology
BIO 462 Research Methods in Biology

Economics
ECO 234 Rational Choices

Geology
GEO 221 Introduction to Geographic Information Science.

Mathematics
MAT 121 Calculus I
MAT 122 Calculus II
MAT 210 Mathematics: Topics for the Liberal Arts
MAT 217 Applied Statistics

Music
MUS 121 Music Theory I: Fundamentals

Philosophy
PHI 234 Rational Choices
PHI 321 Formal Logic

Physics
PHY 161 General Physics I
PHY 162 Introductory Mechanics
PHY 185 General Physics II
PHY 186 Introductory Electromagnetism

Political Science
PLS 239 Research Methods

Psychology
PSY 220 Research Design and Statistics

Theatre
THR 121 Elements of Stagecraft

Academic Programs

Courses numbered 100 and 200 are intended primarily for first-year students and sophomores; courses numbered 100 are entry level. Courses numbered 300 and 400 are intended primarily for juniors and seniors. Unless otherwise stated, courses listed carry one unit of credit, equivalent to 4.0 semester hours.

Courses are offered either every term, every year, or in alternate years. To determine specific course offerings and their class meeting times, students should consult the schedule of courses for the current academic year.

In addition to specific traditional courses identified under departmental headings, any department may offer Special Topics courses (260 and 360), Senior Thesis courses (471), and Directed Study courses (307, 1/2 unit; 370, one unit). Special Topics courses allow departments to supplement their offerings with additional upper-level courses on an experimental basis prior to their inclusion in the regular curriculum. Senior Thesis courses provide students the opportunity to do research in depth and to prepare a formal paper on a topic of the student's choice. Directed Study courses may be designed by a faculty member and a student around a specific body of material. (For more details, see the section of this catalog titled Individualized Study Programs.) Departments may also offer, with the permission of the Dean of Academic Affairs, Practicum courses (057, 1/4 unit), in which qualified students use their knowledge in paraprofessional types of experiences.

Anthropology, Cultural

Buchman

Major in Cultural Anthropology: Anthropology courses – 162; 325; 424; 461 or 471 (culminating experience); six others, including at least two geographical area courses (223, 233, 238, 242, 243) and at least two comparative topics courses (259, 311, 316, 332, 333, 334, 336).

Comprehensive evaluation, with passing grade. Total of 10 major courses.

Minor: Anthropology courses – 162; either 222, 325 or 424; three other courses, including at least one comparative topics course (259, 311, 316, 332, 334, 336) and one geographical area course (223, 233, 238, 242, 243) . Total of 5 minor courses.

ANTH 160. Special Topics. Open to first-year students only.

ANTH 161. Africa Today. Examines specific contemporary African societies and cultures from a cross-temporal, cross-cultural perspective. Topics addressed include education, health and healing, religion, development, identity and popular culture. Partially satisfies the HS CCR. Satisfies the CP ACE. Can count as an elective within the Anthropology major.

ANTH 162. World Cultures and Societies. Explores contemporary world cultures and societies from an anthropological perspective and challenges students to think critically and comparatively about cultural diversity, question basic assumptions, and gain new perspectives on the remarkable variety of the human experience. Focuses on shared symbolic systems and social institutions such as kinship/marriage/family; gender; language; economics, politics; food procurement; religion; art and processes of colonialism; post-colonialism; globalization; development; and transnationalism. Partially satisfies the HS CCR. Satisfies the W1 ACE. Satisfies the CP ACE. Serves as a gateway course in the cultural anthropology major.

ANTH 222. World Ethnographies. Examines vastly different cultures from around the world through the reading and study of ethnography—richly descriptive and analytic accounts of particular cultures. Identical to SOC 222. Prerequisite: ANTH 162 or a sociology gateway course. Partially satisfies the LA CCR. Satisfies the W1 ACE. Satisfies the CP ACE.

ANTH 223. Art and Social Life in Taiwan. Examines how material culture was created, viewed, and used by different people in Ancient China and modern day Taiwan through visits to museums, cultural sites, and public places in Taipei, Taiwan. Uses art historical, anthropological, and sociological perspectives to understand cultural representations and human social behaviors. Offered during spring term only. Satisfies the CP ACE. Identical to ARTH223/SOC223. Not open to students with prior credit in these cross-listed courses.

ANTH 228. Archaeological Methods and Theory. This course introduces the discipline of archaeology and the methods used by archaeologists to study the human past through material remains. Both within and outside of the classroom, a wide range of techniques will be explained and evaluated, including: preliminary research design, excavation, data collection and analysis, dating methods, sampling, geophysical exploration, surface survey, site preservation, and artifact conservation. Much of the requisite work will take place outside of the classroom, and every student will be required to participate in active fieldwork throughout the semester. Identical to CLA 228.

ANTH 233. Native North America: Peoples and Culture. Explores, through comparisons and contrasts, the socio-cultural systems of Native North Americans across the continent. Topics include genocide and cultural survival; kinship, family, and gender; human rights; politics and ethnic conflict; education and religion; and cultural representation and identity. Offered alternate years. Prerequisite: ANTH 162 or a Soc gateway course. Partially satisfies the HS CCR. Satisfies the CP ACE.

ANTH 238. Middle East: Peoples and Cultures. Explores, through comparisons and contrasts, the socio-cultural systems of the central Middle Eastern region, with emphasis on: kinship, family and gender; politics; the colonial experience; modernization; education; international development; religion; and ethnic conflict. Offered alternate years. Prerequisite: ANTH 162 or a Soc gateway course. Partially satisfies the HS CCR. Satisfies the W2 ACE. Satisfies the CP ACE.

ANTH 242. Northern and Western Africa: Peoples and Cultures. Explores, through comparisons and contrasts, the socio-cultural systems of northern and western Africa, with emphasis on: kinship, family, and gender; politics; the colonial experience; modernization; education; international development; religion; and ethnic conflict. Offered alternate years. Prerequisite: ANTH 162 or a Soc gateway course. Partially satisfies the HS CCR. Satisfies the W2 ACE. Satisfies the CP ACE.

ANTH 243. Eastern and Southern Africa: Peoples and Cultures. Explores, through comparisons and contrasts, the socio-cultural systems of eastern and southern Africa, with emphasis on: kinship, family and gender; politics; the colonial experience; modernization; education; international development; religion; and ethnic conflict. Offered alternate years. Prerequisite: ANTH 162 or a Soc gateway course. Partially satisfies the HS CCR. Satisfies the W2 ACE. Satisfies the CP ACE.

ANTH 259. Immigration and Transnationalism. Examines how various immigrant groups negotiate cultural landscapes as previous identities conflict with present national loyalties and expectations. Also explores pan-ethnic cultural affiliations in urban America and investigates the impacts of transnational citizens on the home culture. Identical to SOC 259. Prerequisite: 162 or a sociology gateway course. Partially satisfies the HS CCR. Satisfies the CP ACE.

ANTH 260. Special Topics.

ANTH 307. Directed Study. Offers students an opportunity to pursue a research project of limited scope. 0.50 unit.

ANTH 309. Research Practicum. Offers practical experience with research skills and with detailed knowledge of specialized topics through participation in a faculty member's ongoing research program. Experiences may include assistance with research design, data collection; coding, statistical analysis; qualitative data analysis, or written presentation of results. Offered every term. Prerequisite: permission of instructor. 0.50 unit. May be repeated once.

ANTH 311. The World of Islam. Examines the religion of Islam, within specific cultures world wide, concentrating on – but not limited to – the Middle East and Asia. Both pre-modern and modern aspects of Islam will be explored, such as the various intellectual schools, Islam and modernity, gender, politics, and globalization. Prerequisite: ANTH 162 or a Soc gateway course. Satisfies the RP CCR. Satisfies the W2 ACE. Satisfies the CP ACE. Offered alternate years.

ANTH 316. Comparative Spiritual Traditions. Compares and contrasts two different religious traditions, at least one non-Western, in the light of the inner dimension of their beliefs and practices. Utilizes historical, indigenous, textual, philosophical and anthropological sources to uncover similarities and differences among people living these traditions. Offered alternate years. Prerequisite: ANTH 162 or a Soc gateway course. Satisfies the RP CCR. Satisfies the W2 ACE. Satisfies the CP ACE.

ANTH 325. Methods in Anthropology. Application of anthropological theory and research methods in student-designed local research projects. Offered alternate years. Prerequisites: 162 and one additional anthropology course. Satisfies the S ACE.

ANTH 332. Food, Body, and Culture. Compares different cultures by looking at cuisine and health. Seeks to explore cultural ideas and ideals concerning the human form, specifically through how people physically manipulate and symbolically construct meanings around the food we consume or those considered taboo for human consumption. Prerequisite: ANTH 162 or a Soc gateway course. Partially satisfies the HS CCR. Satisfies the S ACE. Satisfies the CP ACE. Satisfies: "Topic" in Cultural Anthropology.

ANTH 333. Magic, Witchcraft, and Religion. Examines how ideologies and belief systems such as magic, witchcraft, religion, and science serve to explain and guide individual choices and social actions in other parts of the world as well as in our own backyard. Primary focus will be on non-western cultures, but with some applications to American society. Offered alternate years. Prerequisite: ANTH 162 or a Soc gateway course. Satisfies the RP CCR. Satisfies the W2 ACE. Satisfies the CP ACE.

ANTH 334. International Development. Examines histories, theories, policies, and practices of international development from a comparative cross-cultural perspective. Offered alternate years. Prerequisite: ANTH 162 or a Soc gateway course. Partially satisfies the HS CCR. Satisfies the W2 ACE. Satisfies the CP ACE.

ANTH 336. Gender in Cross-Cultural Perspective. Examines a variety of theoretical perspectives in the study of gender. Explores what it means to be "women" and "men" in different cultures and societies. Investigates categories of gender that permeate people's daily lives, especially in non-western societies. Offered alternate years. Prerequisite: ANTH 162 or a Soc gateway course. Partially satisfies the HS CCR. Satisfies the S ACE. Satisfies the CP ACE.

ANTH 357. Internship. Specific experiences to be determined by student and faculty consideration of available positions and student's interests and competencies. Prerequisite: permission of the anthropology faculty.

ANTH 360. Special Topics. Irregular course offerings on topics not included in the regular curriculum. Prerequisites: 162 and one other anthropology course.

ANTH 370. Directed Study. Supervised individual research on a student-selected topic.

ANTH 424. Theory in Anthropology. A study of the major theoretical perspectives and prominent scholars that shape the discipline of anthropology. Offered alternate years. Prerequisites: 162 and one additional anthropology course. Partially satisfies the HS CCR. Satisfies the W2 ACE.

ANTH 461. Senior Seminar. A culminating experience emphasizing advanced research and theory. Open only to majors in Anthropology.

ANTH 471. Senior Thesis. Individual research on any aspect of the discipline. Satisfies the W2 ACE.

ANTH 499. Comprehensive Evaluation.

Archaeology

Baechle, Bevis, O'Neill, Pittenger, Van Iten, M. Wu, X. Wu

Minor: Required courses – CLA 228; GEO 161 or GEO 162; ANTH 162; two electives, one of which must be a 300-level course.

Possible elective courses include but are not limited to: ARTH 210, ARTH 339, CLA 225, CLA 343, CLA 345, GEO 221, and GEO 237. Special Topics courses will be considered on a case-by-case basis. Except for courses specifically required for the student's major, no more than one of these courses may be counted toward this minor and either a major or another minor.

Total of 5 minor courses.

Art and Design; Art History

Bennett, Gaddie, Lostutter, M. Wu., X. Wu

Art and Design

Major: Nine Art and Design courses: 171 and 210; a two- dimensional course (116, 117, 119, 213, 224 or 245); a three- dimensional course (114 or 115); four additional Art and Design electives (at least two at the 200 level or above), and Art 471 (culminating experience).

Two Art History courses: a Western Art History course (ARTH 112, 328, 339, 343, 344, or 345) and an Eastern Art History course (ARTH 111, 210 or 212) or others by petition.

Total of 11 major courses plus Junior/Senior Portfolio Reviews* and a comprehensive evaluation with a grade of C- or better.

*The "junior/senior portfolio reviews" are required but carry no grade or credit. These reviews provide opportunities for the Art and Design faculty and the student to discuss the student's development. Reviews are scheduled at the beginning of fall and winter terms during junior and senior years.

Art minor: One two-dimensional course (116, 117, 119, 171 or 245); one three-dimensional course: (114 or 115); three additional Art electives from 114, 115, 116, 117, 119, 214, 215, 216, 217, 219, 246, 314, 315, 316, 317, 319. Total of 5 minor courses.

Design minor: Two of the following courses: 171, 210, 224; three of the following courses: 115, 116, 117, 210, 213, 215, 216, 217, 224, 245, 310, 313, 315, 316, 317,

COM 242, COM 243. Total of 5 minor courses.

ART 114. Ceramics I. An introduction to clay emphasizing techniques of hand building, casting, and throwing on the wheel. Ceramic sculptures and functional vessels will be made. Surface finishes will be explored to gain an understanding of basic glaze and firing principles. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 115. Sculpture I. An introduction to sculpture, with an emphasis on problem solving and building skills. Studio projects entail a variety of sculptural approaches using wood, wire, plaster, and clay and including an exploration of the structural principles and formal elements of three-dimensional design. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 116. Printmaking I. The History of Printmaking and the introduction to the printmaking process will be covered in this course. Images will be created using multiple mediums and printing techniques. While exploring these different techniques throughout the semester, the choice of process will be integrated with an emphasis on Printmaking in contemporary art and graphic design. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 117. Photography I. An introduction to photography utilizing darkroom processes and digital techniques. Focusing on image composition and history of photography throughout the semester, the class begins with techniques such as pinhole cameras, photograms, and 35mm film development. Building upon this, alternative photographic processes, digital techniques, and contemporary photography will explored. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 119. Painting I: An introduction to the techniques and processes used in Painting. Learning how to prepare and use multiple painting supports and surfaces, use of subject in composition, and brush-stroke will be covered in this course. A variety of mediums and materials will be explored in relationship to the history of Painting and color theory. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 171. Foundations of Art and Design. An introduction to studio art including drawing, painting,design, and photography. The course will focus on measurement, chiaroscuro, color, stylization, and theprinciples of design in two-dimensional art, and will include traditional and digital media. In addition, thecourse will provide opportunities to develop writing skills through a series of paper assignments. Not open to students with prior credit in ART 211. Partially satisfies LA CCR. Satisfies the W1 ACE. Fee charged.

ART 210. Graphic Design I. Explores design and the design process through historical examples, theory, typographic studies, problem definition, digital and traditional design tools, production and content delivery. Focus on digital photography and photo manipulation as well as digital illustration and graphic layout. Each student will gain professional experience and potentially work on a design project for Hanover College's Office of Communications & Marketing. Identical to COM 210. Partially satisfies the LA CCR. Fee Charged.

ART 212. Contemporary Art Practices. This studio/seminar course emphasizes conceptual dialogues and investigations in Studio Art to develop a familiarity with important questions, both practical and theoretical, facing artists today. While researching how art is disseminated, understood, and at times, misunderstood, students create artworks welcoming traditional media and including installation, performance, video, and time-based art. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 213. Illustration I. Through lectures and assignments students will explore the history of illustration and the multiple facets of contemporary illustration today. Topics and projects covered in this course may include book illustration, sequential art, street art, tattoo art, concept art, product development, and character development. Partially satisfies the LA CCR. Satisfies the S ACE. Fee Charged.

ART 214. Ceramics II. This course is a continuation of the technical exploration of ART 122 Ceramics I. Through broader project assignments designed to strengthen technical proficiencies combined with research of contemporary ceramicists, work will be guided by individual research. Additional techniques for creating, surfacing, and firing clay will be explored through direct experimentation according to individual technical and conceptual needs. Prerequisite: ART 114. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 215. Sculpture II. This course is a continuation of the technical exploration of ART 132 Sculpture I. Through broader project assignments that emphasize the process of creating sculptures from concept to finished product, students analyze materials and fabrication methods for both structural and conceptual intent. This analysis combined with research of contemporary sculptors, work will be guided by individual research. Prerequisite: ART 115. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 216. Printmaking II. This course is a continuation of the technical exploration in ART 133. The combination of traditional printmaking processes will be explored by the individual student as they begin to explore the use of Printmaking in contemporary art. Students will work individually and in small groups to challenge their ideas of what defines a print, how to explore the use of the multiple and the definition of what is originality when working in collaboration. Through analysis and experimentation of the use of techniques, work will be guided by individual artistic content. Prerequisite: ART 116. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 217. Photography II. This course is a continuation of the technical exploration of ART 143 Photography I. Digital and analog tools combine as students are encouraged to experiment and challenge their ideas of what defines a photograph. Through analysis of and experimentation of techniques in tandem with research of contemporary photographers, work will be guided by individual artistic content. Prerequisite: ART 117. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 219 Painting II: A continuation of the exploration of Painting techniques integrated with an emphasis on medium and style choice for the purpose of visual communication. Through the study of Contemporary painting, analysis and exploration of the use of techniques, work will be guided by individual artistic content. Prerequisite ART 119. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 224. Design Thinking and Problem Solving. Through lectures, in-class exercises, case studies and weekly assignments both individually and in groups, students will, individually and in groups, develop creative thinking skills that will lead to innovative solutions and foster new ways of understanding and solving problems. These methodologies for divergent thinking can be applied to a variety of disciplines across the liberal arts. Partially satisfies the LA CCR. Satisfies the S ACE. Fee Charged.

ART 245. Large-scale Painting. This course will cover the history, controversy and power of public art. Students will gain professional experience by learning to work as a team, as they go through the process of designing, writing a proposal, promoting creativity in the community and completing a group large-scale painting. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 246. Environmental Art. This studio/seminar course emphasizes three-dimensional art and focuses on issues relating to waste, pollution, and ecology as both the subject and materials. Students research ecologically motivated art such as earthworks, land projects, and ephemeral works as they develop constructive and aesthetic methods of interacting with the environment as part of a studio practice. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 260. Special Topics. Special Topics may occasionally carry added fees.

ART 307. Directed Study. .50 unit. Does not count towards Art and Design major or minor.

ART 310. Graphic Design II. Further exploration of complex visual problem solving, layout techniques and design production moving towards a greater independence and personal conceptual and creative development. An intensive study in creative design is applied to advanced graphic problem solving for print and digital media. Topics include studio skill development and professional production methods, portfolio review, and client interaction. Prerequisite: 210. Partially satisfies the LA CCR. Fee Charged.

ART 313. Illustration II. Through lectures and assignments students will explore the relationship between Illustration and related fields such as Animation, Graphic Design, Printmaking, Medical illustration and Painting. This course is a further exploration of contemporary illustration moving towards a greater independence and personal conceptual and creative development. Prerequisite: ART 213. Partially satisfies the LA CCR. Satisfies the S ACE. Fee Charged.

ART 314. Ceramics III A continuation of the exploration of the use of clay moving toward a greater independence and personal creative and conceptual development. Prerequisite ART 214. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 315. Sculpture III. A continuation of the exploration of the use of sculpture moving toward a greater independence and personal creative and conceptual development. Prerequisite ART 215. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 316. Printmaking III. A continuation of the exploration of combining traditional techniques moving toward a greater independence and personal creative and conceptual development. Prerequisite: ART 216. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 317. Photography III. A continuation of the exploration of the use of Painting moving toward a greater independence and personal creative and conceptual development. Prerequisite ART 217. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 319 Painting III: A continuation of the exploration of the use of Painting moving toward a greater independence and personal creative and conceptual development. Prerequisite: ART 219. Partially satisfies the LA CCR. Satisfies the S ACE. Fee charged.

ART 357. Internship. Off-campus supervised experience in art. Majors only.

ART 360. Special Topics.

ART 370. Directed Study. Does not count towards Art and Design major or minor.

ART 457. Art Internship. Supervised off-campus educational experience in a professional environment. Majors only.

ART 471. Senior Thesis.

ART 499. Comprehensive Evaluation

Art History

Major: Eight Art History courses: 111, 112 and 362; four additional Art History electives (171, 210, 212, 213, 214, 223, 225, 328, 339, 343, 344, 345 or 348); and either 457 or 471 (culminating experience). One Art and Design course.

Total of 9 major courses plus a comprehensive evaluation with a passing grade.

Recommended: two courses in both French and German.

Minor: ARTH 112; plus four additional art history courses. Total of 5 minor courses.

ARTH 111. History of Eastern Art. A general introduction to the art of the ancient civilizations and traditional arts of Asia, focusing on India, China and Japan. Topics covered include Buddhist and Hindu art, landscape painting, sculpture, woodblock print, and important monuments in East Asian art. Partially satisfies the LA CCR. Satisfies the CP ACE.

ARTH 112. History of Western Art. A historical survey from cave paintings to present. The course deals with Western art forms derived from the Near East, Europe and the United States. Partially satisfies the LA CCR.

ARTH 171. Beauty and Idea in Asian Art. An examination of selective monuments and canons in Asian art in relation to the major religious and philosophical traditions in Asia. This course will analyze primary sources, both textual and visual, related to Hinduism, Buddhism, Daoism, Confucianism, Legalism, Shinto, and Islam, and study artistic traditions such as Hindu temples, Buddhist sculpture, Shinto shrines, funerary art, landscape painting, and Islamic architecture. Partially satisfies the LA CCR. Satisfies the W1 ACE.

ARTH 210 Arts and Cultures of China. An introduction to major artistic traditions in China. Topics include art and ritual, visual arts and the quest for immortality, Buddhist art, landscape painting, palace architecture, and modern and contemporary art. Partially satisfies the LA CCR. Satisfies the CP ACE. Satisfies the W2 ACE.

ARTH 212. Arts and Cultures of Japan. An introduction to important works of sculpture, architecture and painting from prehistory through the nineteenth century, including Shinto shrines, Buddhist art, narrative scrolls, Zen art, and woodblock prints. Partially satisfies the LA CCR. Satisfies the CP ACE. Satisfies the S ACE.

ARTH 213. Art for Death and Afterlife. Although death is the ultimate truth of life, how to commemorate the deceased in funerary arts and ritual is fundamentally associated with cultural and religious traditions. How do funerary arts and ritual practices reflect religious beliefs? How do funerary arts respond to religious demands creatively in different contexts? This course will answer these questions and more. We will examine how religious values, cultural traditions, and mortuary art shape the experiences of death, grieving, expectations about mortality and immortality, and the overall meaning of life. Satisfies the RP CCR.

ARTH 214. Asian Art and Film. Students will learn about traditional Asian art and analyze Asian films from India, China, and Japan as lenses through which to view and to understand the variety and richness of the Asian cultures: their religions, philosophy, and art. Since film is a relatively recent art form, even older films are characterized by a relatively modern point of view, so students will examine how these films both uphold and challenge traditional cultural values revealed in the arts. Prerequisite: Sophomore standing. Partially satisfies the LA CCR. Satisfies the CP ACE.

ARTH 223 Art and Social Life in Taiwan. Examines how material culture was created, viewed, and used by different people in Ancient China and modern day Taiwan through visits to museums, cultural sites, and public places in Taipei, Taiwan. Uses art historical, anthropological, and sociological perspectives to understand cultural representations and human social behaviors. Offered during spring term only. Satisfies the CP ACE. Identical to ANTH223/SOC223. Not open to students with prior credit in these cross-listed courses.

ARTH 225. Introduction to Classical Art and Archaeology. This course examines the degree to which the art and artifacts of the ancient Greek and Roman worlds can help to inform us about the cultural settings in which they were created. Throughout the semester, students will chart the evolution of Classical art and architecture and discover how an archaeologist might use the remains of the ancient past to reconstruct daily life and broader cultural phenomena. This overview is intended to introduce the student to the most widely referenced material works of the Greek and Roman past and the factors which influenced their style and substance. Identical to CLA 225. Partially satisfies the LA CCR. Partially satisfies the HS CCR.

ARTH 260. Special Topics.

ARTH 328. Contemporary Art. Analysis of contemporary art, its forms and display. Role of museums as exhibitor. Study of modern criticism and its role as interpreter of contemporary art. Field trips to major museums and galleries. Partially satisfies the LA CCR.

ARTH 339. Ancient Art and Architecture. The exploration of the history of painting, sculpture and architecture in the art of ancient Egypt, Mesopotamia, Greece and Rome. Offered alternate years. Partially satisfies the LA CCR.

ARTH 343. Baroque and 18th-Century Art and Architecture. European art seen in relation to the periods of the Counter-Reformation, the Age of Absolutism and the Enlightenment. Offered alternate years. Partially satisfies the LA CCR.

ARTH 344. 19th-Century Art and Architecture. A survey of art extending from the revolutionary eras in America and France to the beginnings of modernist art at the turn of the century. Offered alternate years. Partially satisfies the LA CCR.

ARTH 345. Art in the United States. A survey of American art and architecture from the revolution to World War II. Field trips are a required element of this class. Offered alternate years. Partially satisfies the LA CCR.

ARTH 348. Modern and Contemporary Chinese Art. Visual arts created by Chinese artists from the mid-19th century to the present day, focusing on innovative responses to the dynamic relationship between traditional Chinese art, artistic movements in the west, and sociopolitical changes in China. Partially satisfies the LA CCR. Satisfies the S ACE. Satisfies the CP ACE.

ARTH 357. Internship. Off-campus supervised experience in art history.

ARTH 360. Special Topics.

ARTH 362. Theories and Methods in Art History. A methodology seminar that introduces the basic interpretive theories and research methods in the art historical discipline, such as Iconography, Formalism, Connoisseurship, Biography, Psychoanalysis, Marxism, Social Art History, Feminism, Semiotic, Postcolonialism, material, ritual, reception, and display. Offered alternate years. Prerequisite: ARTH 111 or ARTH 112. Satisfies the W2 ACE.

ARTH 370. Directed Study.

ARTH 457. Art History Internship. Supervised off-campus educational experience in a professional environment. May be used as senior culminating experience if taken in the senior year. Majors only.

ARTH 471. Senior Thesis.

ARTH 499. Comprehensive Evaluation.

Asian Studies

Carrell, Shen, X. Wu, Yoon

Minor: At least five course units, selected from among the following, no more than two of which can be from the same department: ARTH 111: History of Eastern Art; ARTH 210: Arts and Cultures of China; ARTH 212: Arts and Cultures of Japan; ARTH 348: Modern & Contemporary Chinese Art; HIS 266: History of China; HIS 267: History of Japan; HIS 362: Modern China; HIS 364: Traditional China; HIS 367: China and Christianity; PHI 222: Classical Indian Philosophy; PHI 240: Philosophy and the Martial Arts; PHI 241: Prana, Qi and Ki; PHI 242: Taoism and Cooking; PHI 244: Taoism and Zen Buddhism; PHI 246: The Logic of Daoism; PHI 247: Wisdom Traditions of Ancient China; PHI 322: Classical Chinese Philosophy.

Total of 5 courses.

Except for minor courses specifically required for a student's major, no more than one course may be counted toward both a major and a minor or to any two minors.

Astronomy

Pantelidis, Robison

AST 165. Stars and the Universe. An in-depth introduction to the physical processes occurring in and causing the dynamical evolution of stars, to the dynamics of galaxies, and to physical processes and the evolution of a variety of cosmological models of the universe. Laboratory work emphasizes hands-on experiences including data collection and manipulation. Satisfies the SL CCR. Partially satisfies the SM CCR. Satisfies the QL ACE. Fee Charged.

AST 166. The Solar System. Explores current understanding of the solar system from its formation to possible final states. Study of the planetary system and the sky both as a system offering humans objective truths and as a battleground of competing human conceptions of the system of the world. Satisfies the SL CCR. Partially satisfies the SM CCR. Satisfies the QL ACE. Fee Charged.

Biochemistry

Hall, Hubbs, Mynhardt, Pretorius

Major: Chemistry courses: CHE 161; 185; 221; 222; 341; 342; and one elective from: 311; 324; 325; 326. Biology courses: BIO 161; 185; 221; and two electives from: 314, 326, 328, 333, 334; 336. Culminating Experience: BCH 412.

Cognate courses: MAT 121; PHY 161 or 162; PHY 185 or 186.

Comprehensive evaluation with passing grade. Total of 13 major courses, plus 3 cognates = 16.

Students majoring or minoring in Chemistry or Biology may not also major in Biochemistry.

Minor: CHE 341, Biochemistry I; CHE 342, Biochemistry II; CHE 325, Analytical Chemistry; BIO 221, Genetics; BIO 336, Cell Biology; and one of BIO 328, Immunology; BIO 333, Microbiology; or BIO 314, Molecular Biology. Except for courses specifically required for the student's major, no more than one of these courses may be counted toward this minor and either a major or another minor. Total of 6 minor courses.

Students interested in minoring in biochemistry are encouraged to major in biology or chemistry. They should consult faculty members familiar with this minor as soon as possible to devise an overall course of study that suits their interests, meets program requirements and goals and prepares them for graduate study or professional opportunities.

BCH 260. Special Topics.

BCH 307. Directed Study. Fee charged. 0.50 unit

BCH 308. Directed Research. Field or laboratory research performed under the direction of a professor. Prerequisite: permission of directing professor. Graded Pass/Fail. Fee charged. 0.25 unit.

BCH 309. Directed Research. Field or laboratory research performed under the direction of a professor. Prerequisite: permission of directly professor. Graded Pass/Fail. 0.50 unit.

BCH 360. Special Topics.

BCH 412. Biochemistry Seminar. Discussion of primary literature research articles, integration of the individual science disciplines which contribute to the field of biochemistry. Prerequisite: Four courses each in Chemistry and Biology and senior standing

BCH 499. Comprehensive Evaluation.

Biology

Bruyninckx, Gall, Hubbs, Mynhardt, Pretorius, Rubino

Major: Bachelor of Arts: Biology courses – 161; 185; 221; 462 (Culminating experience); five others, two of which must be at the 300 level, but not include 301, 307, 308, 309, 357, 370 or 380.

Cognate courses: Chemistry 161 or equivalent; CHE 185. Comprehensive Evaluation with passing grade. Total of 9 major course credits, plus 2 cognates = 11 units.

No more than 1 credit of any combination of BIO 308, 309 and 380 can count towards graduation.

Major: Bachelor of Science: Biology courses – 161; 185; 221; 231; 462 (Culminating experience); six others, two of which must be at the 300 level, but not include 301, 307, 308, 309, 357, 370 or 380.

Cognate courses: CHE 161 or equivalent, 185, 221 and 222; MAT 121; and one pair from the following:

CHE 341 and 342
CS 220 and either 223 or 229
GEO 16x and either a 200- or 300-level GEO course
KIP 215 and 230
PHY 161 and 185
PSY 162 and 164

Comprehensive Evaluation with passing grade. Total of 11 major courses, plus 7 cognates = 18 units.

No more than 1 credit of any combination of BIO 308, 309 and 380 can count towards graduation.

Students earning a Bachelor of Science degree in Biology with the CHE 341 and CHE 342 cognate may not also minor in Chemistry.

Minor: Biology courses – 161 or equivalent; 185; any three others, but not to include 301, 302, 307, 308, 309, 370, or 380. Total of 5 minor courses.

All courses (except 301) include an integrated laboratory experience.

BIO 160. Special Topics.

BIO 161. Ecology and Evolution. An introduction to the scientific study of life with an emphasis on evolution, ecology and classical genetics. The nature and practice of science will be examined throughout the course. For prospective pre-health-profession students and natural science majors. Satisfies the SL CCR. Partially satisfies the SM CCR. Satisfies the QL ACE. This class is open only to first-year students. Fee Charged.

BIO 165. Concepts of Biology. An historical approach to explore the development of primary topics in modern biology such as mechanisms of inheritance and diversification of life on Earth via the process of evolution. The nature and practice of science will be examined throughout the course. Does not require college-level chemistry. Satisfies the SL CCR. Partially satisfies the SM CCR. Not open to students with prior credit in BIO 161 or equivalent Fee Charged.

BIO 185. Cell and Molecular Biology. An introduction to the scientific study of life with emphasis on the chemistry of life, cells, and physiology. For prospective natural science majors and pre-health-profession students. Prerequisite: BIO 161. Satisfies the SL CCR. Partially satisfies the SM CCR. Satisfies the QL ACE Fee Charged.

BIO 214. Tropical Biology. This course aims to provide students with a hands-on and exploratory study of Central American biodiversity, exploring a range of biological habitats such as moist forests, coral reefs, barrier islands, and mangrove swamps. Topics include various aspects of animal and plant diversity and an examination of the cultural views of the conservation and preservation of biological diversity. Prerequisite: BIO 221. Fee charged.

BIO 221. Genetics. A survey of molecular, organismal, and population genetics. Laboratory work illustrates basic genetic principles and modern laboratory techniques. Prerequisites: 185. Prerequisite/co-requisite: CHE 161 or equivalent. Fee Charged.

BIO 223. General Microbiology. Basics of microorganisms and their roles in human health; provides an overview of the structure, function, and physiology of cells, microbial ecology, controlling microbial growth, and identification of microorganisms. This course is designed for nursing and pre-health students. Satisfies the SL CCR. Partially satisfies the SM CCR. Prerequisite: CHEM 161 and one of BIO 185 or KIP 161. Not open to students with prior credit in BIO 333. Fee charged.

BIO 225. Entomology. The study and identification of insects with an emphasis on field work, life cycles, classification, curation, ecology, and economic impacts of insects. Prerequisite: BIO 161 or BIO 165. Fee Charged.

BIO 227. Herpetology. A study of the biology of amphibians and reptiles. Topics covered include classification, evolution, ecology, physiology, behavior and conservation. Emphasis on the amphibians and reptiles of southeastern Indiana and field research methods. Prerequisite: 161. Fee Charged.

BIO 231. Biodiversity. An introduction to the biological diversity of earth. Topics covered include analysis of the form and function of the major taxonomic groups: protists, fungi, plants, and animals, the origin of life, the evolutionary history of life on earth, and principles of biological classification. Prerequisite: 185. Fee Charged.

BIO 234. Plant Taxonomy. Identification of higher plants with emphasis on the native flora; emphasis on the use of keys, principles of classification, field work, and herbarium methods. Prerequisite: 161. Fee Charged.

BIO 235. Comparative Anatomy & Physiology. A comparative approach to the structure and function of body systems across the animal kingdom, including invertebrates and vertebrates. Laboratory work involves dissections, modeling activities, experiments, and case studies. Prerequisite: 185. Fee Charged.

BIO 260. Special Topics. Special Topics may occasionally carry added fees.

BIO 301. Junior Seminar. Preparation of an Senior Thesis proposal including a bibliography, literature review and an oral presentation. Prerequisites: 4 courses in biology or junior standing. Graded Pass/Fail. 0.25 unit.

BIO 307. Directed Study. .50 unit. Fee Charged.

BIO 308. Directed Research. Field or laboratory research performed under the direction of a professor. Prerequisite: permission of directing professor. Graded Pass/Fail. .25 unit. Fee Charged.

BIO 309. Directed Research. Field or laboratory research performed under the direction of a professor. Prerequisite: permission of directing professor. Graded Pass/Fail. 0.5 unit. Fee Charged.

BIO 313. Plant Anatomy and Physiology. Study of vascular plant structure and function as adaptations to the terrestrial environment. Lectures, discussions, laboratories, and field trips. Prerequisite: 231. Fee Charged.

BIO 314. Molecular Biology. A detailed survey of gene structure, function, regulation, and replication as well as the experimental techniques used to understand these phenomena. Prerequisite: 221. Satisfies the W2 ACE. Fee Charged.

BIO 315. Ecology. Study of interactions of organisms and their environments; emphasis on energy flow, nutrient cycling, and equilibrium processes in ecosystems. Lectures, field projects, preparation of scientific reports, and laboratories. Prerequisite: 231. Fee Charged.

BIO 316. Animal Behavior. A study of the behavior of animals, with emphasis on the ecology and evolution of behavior. Lab focuses on the scientific method and scientific literacy (reading/writing) through practical application of experiments on animals. Prerequisite: 231. Satisfies the W2 ACE. Fee Charged.

BIO 317. Vertebrate Biology. A study of the biology of the vertebrates, including the evolutionary history, ecology, behavior, and structure and function of the major vertebrate groups. Lab includes dissection of representative vertebrates and field studies with local vertebrate species. Prerequisite: BIO 231. Offered alternate years. Fee Charged.

BIO 326. Developmental Biology. Development of organisms with an emphasis on vertebrates. Laboratories will combine modern molecular analyses and classical descriptions or organismal development. Prerequisite 221. Fee Charged.

BIO 328. Immunology. Introduction of both theories and techniques in the field of immunology. Prerequisite: 221. Fee Charged.

BIO 332. Evolution. An analysis of the process of evolution. Topics cover the history of evolutionary thought, evidence for the evolution of life, mechanisms of evolutionary change, and the history of life on earth. Special emphasis will be placed on current research and developing an experimental evolutionary approach. Lectures, discussions, field and laboratory experiments. Prerequisite: 231. Fee Charged.

BIO 333. Microbiology. A study of the structure and function of bacteria and related organisms. Prerequisite: 221. Not open to students with prior credit in BIO 223. Fee Charged.

BIO 334. Virology. A consideration of structure, life histories, and biological impact of representatives of the major classes of viruses. Laboratory activities focus primarily on cultivation and experimentations with bacterial viruses to illustrate principles in viral growth. Prerequisite: BIO 221. Fee charged.

BIO 335. Principles of Systematics. An introduction to the theory and practice of biological classification, taxonomy, and systematics. Topics covered include the description, naming, and identity of species, construction and analysis of phylogenetic trees, and exploration of the evolution of molecular and morphological characters. Prerequisites: BIO 221 or BIO 231. Fee Charged.

BIO 336. Cell Biology. A study of the evolution, structure, and functioning of cells. Topics include membranes, bioenergetics, intracellular sorting, the cytoskeleton, cell communication, and cellular mechanisms of development. Laboratory emphasis on the methodology of cell biology. Prerequisite: 221. Fee Charged.

BIO 357. Internship. Off-campus supervised experience in biology.

BIO 360. Special Topics.

BIO 370. Directed Study.

BIO 380. Directed Research. Field or laboratory research performed under the direction of a professor. Prerequisite: Permission of directing professor. Graded Pass/Fail. Fee Charged.

BIO 461. Senior Seminar. Analysis and discussion of advanced principles of biology. Prerequisite: Senior standing. Fee Charged.

BIO 462. Research Methods in Biology: Integration and application of techniques necessary for conducting investigations in the biological sciences. Includes experimental design, data analysis, and oral and written presentation skills. Also includes discussion of skills necessary for post-graduate preparation. Prerequisite: Biology Major. Senior standing. Satisfies QL ACE Fee Charged.

BIO 499. Comprehensive Evaluation.

Business

Gregory, Magary, O'Daniel, Riddick

The Business Scholars Program

The Business Scholars Program offers both a major and minor in business. The major offers concentrations in finance, marketing, management, analytics, and international business. An accounting pathway is also available to Business Scholars. Classroom activities are augmented by guest executive lecturers and entrepreneurial leaders in the corporate, non-profit, and governmental sectors of the economy. Business Scholars meeting the program's GPA requirement (3.0 career GPA by the end of the fall term of the junior year) complete a paid, project-based internship. All Business Scholars participate in a student-led consulting project in the program's capstone course. Business Scholars also participate in skill-building workshops such as business etiquette, resume writing, and interviewing techniques. Numerous networking events are also an important part of the Business Scholars Program.

Business Major: Business Scholars Program courses – 211; 215; 321 or 335; 325; 327; 357 or Business Scholars Program elective (only if Scholar does not qualify academically); 411 (culminating experience); and one additional Business Scholars Program elective.

Cognate courses: One course in statistics: MAT 217, 327, or ECO 257; two courses in Economics: ECO 113 and 114.

8 BSP workshops are required for the major but carry no grade or credit.

Comprehensive evaluation. Total of 8 units in the major plus 3 cognate units = 11 units.

Minor: Business Scholars Program courses – 211; 325; 327; 357 or BSP elective (only if Scholar does not qualify academically); 411 (culminating experience); and one additional business scholars program elective.

Cognate course: One course in Economics: ECO 113, 114 or 161.

8 BSP workshops are required for the minor but carry no grade or credit.

Business Scholars can enhance their business major by completing optional concentrations in the following areas:

Finance Concentration: Three courses from Economics or the Business Scholars Program: ECO 234, ECO 321, ECO 333, BSP 323, BSP 351.

Marketing Concentration: Three courses from Communication, Psychology, or the Business Scholars Program: COM 242, COM 246, PSY 344, BSP 335, BSP 321, BSP 333, or BSP 351.

Management Concentration: Three courses from Communication, Economics, Psychology, or the Business Scholars Program: COM 319, ECO 331, ECO 335, PSY 231, BSP 328, BSP 331, BSP 332, or BSP 351.

Analytics Concentration: Three courses from the Business Scholars Program, Mathematics or Computer Science: BSP 351, MAT 224, MAT 327, MAT 437, CS 218, or CS 229.

International Business Concentration: Three courses from Anthropology, Economics, History, International Studies, or Political Science: ANTH 222, ANTH 334, ECO 333, HIS 264, INS 161, PLS 217, PLS 218, PLS 231, or PLS 335). A modern languages major or minor is recommended.

BSP 211. Management Concepts. An integrated introduction to the fundamental concepts of management and business. Topics include the relationship between business and society, including ethical and legal responsibilities; business organization; competitive strategies; and management theory including organizational structures, decision making and creative problem solving, collaborative teamwork, and organizational control. Case studies and projects will be used to provide an opportunity to integrate and apply essential concepts. Prerequisite: Admission to the Business Scholars Program.

BSP 212. Ethics and Commerce. This course will explore the application of ethical theory to issues and cases that arise in connection with commercial activities. Satisfies the PP CCR. Identical to PHI 212.

BSP 215. Business Law and Ethics. This course examines the moral and legal aspects of business. Topics include the sources for legal and regulatory controls over domestic businesses, the aspects of constitutional law affecting business transactions, business ethics, litigation and alternative dispute resolution, business torts, strict liability and product liability, intellectual property, contracts, warranties, and selected aspects of employment law. This course also explores the moral dilemmas and problems that arise in business and considers the defensible ways to apply ethical principles and standards to business. Prerequisite: BSP 211.

BSP 307. Directed Study. .50 unit.

BSP 321. Marketing and Promotions. Introduces the fundamentals of marketing with special emphasis on the "promotion" element of the overall marketing mix—advertising, sales promotion and public relations. Marketing fundamentals will be covered, such as segmentation, branding, positioning, consumer behavior and the "four Ps." A large component of the course will be more in-depth consideration of marketing communication than is typical in an introductory marketing course, including practical exercises in planning and developing a communication campaign. Prerequisite: BSP 211.

BSP 322. Professional Selling. This course focuses on the challenges and opportunities provided by professional selling. Selling concepts, tools, strategies, and tactics will be discussed as they apply to both external and internal customers. Students are exposed to and experience some problems faced and rewards earned by those in professional sales. Customer relationship management and seeking to meet customer needs will be discussed as key to successful long-term selling. Prerequisite: BSP 211.

BSP 323. Investments. This course provides a fundamental understanding of the theory and concepts used in making investment decisions. It covers topics including financial markets, stock and bond valuation, capital market equilibrium, risk and return trade-offs, and portfolio theory. Prerequisite: BSP 211.

BSP 324. eCommerce Management. The Internet has cultivated a global economic system and transformed societies throughout the world. This course will examine the impact of the Internet on commerce. Special attention will be placed on the history and structure of the

Internet, convergence, net neutrality, open source technology, and intellectual property rights in the age of the Internet. This course will also cover the interconnections between commerce and Internet marketing, including Web analytics, search engine/social media optimization and affiliate marketing.

BSP 325. Financial Accounting. This course offers an introduction to the accounting concepts, principles, and techniques used in recording business transactions. The accounting cycle, revenue and expense recognition, book valuation, reporting of financial position and results of operations for business enterprise are explored with an emphasis on Financial Statements for external users. Prerequisite: BSP 211.

BSP 326. Managerial Accounting. This course introduces the use of accounting information to aid internal decision makers. This includes the development and interpretation of information to set goals, evaluate the performance of departments and individuals, and support various types of management decisions. Prerequisite: BSP 325.

BSP 327. Financial Management. This course introduces the approaches companies can use to obtain and deploy funds. Topics include financial forecasting, operating and financial leverage, time value of money, working capital management, capital budgeting and long-term financing. Prerequisite: BSP 325.

BSP 328. Managing a Not-for-Profit Organization. An examination of the elements, knowledge, and skills needed to create and manage a successful not-for-profit organization (NPO), including mission and programming; people resources and leadership-boards, staff, volunteers, and clients; financial management; marketing and community relations; and fundraising. Students will design their own virtual NPO over the course of the semester. This course is open to all students. Offered Spring Term.

BSP 329. Personal Financial Management. This course provides an introduction to Personal Finance Management concepts to help address the key financial decisions students will face throughout their lives to meet their personal financial goals. The course covers creating a financial plan, saving and investing, buying a house or car, insurance, sources and uses of credit, and other topics. Students will use a financial calculator to help make decisions. The course is open to all students.

BSP 330. Scholars in the City: New York. This Spring Term course focuses on New York City and its place in the world of business. The first part of the course looks at the history of the city, its institutions and neighborhoods. The second part of the course looks specifically at the relationship of the city to financial markets, retailing and merchandising. In the third part of the course the class will spend several days in New York, experiencing what has been studied. Prerequisites: BSP 325.

BSP 331. Human Resource Management. This course introduces students to the field of human resource management, its purpose and how it functions in the business arena to address the issues related to employee training, compensation, benefits, selection, hiring, firing and outplacement. Students will analyze examples from actual companies to examine various general management concepts within the context of current-day application. This course is open to all students.

BSP 333. Entrepreneurship. This course enables Business Scholars to engage with entrepreneurs brought to campus through funding made available by the John and Donna Shoemaker Guest Lecturer Endowment Fund. The course will include concentrated interaction with guest lecturers and one or more projects relating to starting a business. Topics include value propositions, innovation, channel management, sources of financing, cash flow, cost structure, business model design, marketing, and pricing. Prerequisite: Admittance to the Business Scholars Program.

BSP 335. Strategic Marketing Management. This course provides an overview of the principles of marketing necessary for functioning in any business environment. The course introduces a structured approach for managerial marketing decisions, with special emphasis on developing a cohesive marketing strategy. Students will learn how to incorporate business objectives, customer segmentation, competitive positioning, and marketing analytics to produce an integrated marketing plan that leads from corporate strategy through execution. Prerequisite: BSP 211.

BSP 351. Business Analytics. This course provides an introduction to the field of business analytics, including the use of data, statistical and quantitative analysis, exploratory and predictive models, and fact-based management to drive decisions and actions. Business analytics is highly applicable in operations, marketing, finance, and strategic planning among other functions. Students actively participate in the delivery of this course through cases and project presentations. Prerequisites: One course in statistics (MAT 217, MAT 327 or ECO 257).

BSP 357. Project-Based Internship. A project-based internship to be carried out through work in a for-profit, not-for-profit or governmental organization. Prior to the internship students will prepare by carrying out research on the organization and/or their specific project. They will also develop objectives for what they want to learn about themselves and their career path through the internship. During the internship, Scholars will be advised by Business Scholars Program faculty and supervised by on-site supervisors. The internship and its outcomes will be presented via a public poster session or recorded presentation. Prerequisite: 3.0 GPA or higher career GPA at the end of the fall term of a Business Scholar's junior year.

BSP 360. Special Topics.

BSP 370. Directed Study. 1.00

BSP 411. Business Strategy. An integrated capstone course requiring Scholars to demonstrate that they can create a well-conceived comprehensive strategy for business and successfully execute it; synthesize liberal arts, business and economics concepts in strategic management Scholars will complete a comprehensive strategic analysis for a business in partnership with the Small Business Development Center or other agency. Prerequisite: BSP 327 and senior standing.

Electives:

Business Scholars will be required to complete 2 units of electives to be selected in consultation with Business Scholars Program faculty. Prerequisite: BSP 211. At least one elective must have a "BSP" course prefix, while the second elective may be a BSP course or may be chosen from a list of approved electives.

Co-Curricular Components:

#1. Internship and Career Preparation. To ensure a project-based internship, and ultimately career, that provides the best fit between their strengths and interests, their major and the project-based internship, Scholars will work with the Business Scholars Program staff and Career Center to identify their interests and internship constraints, build their resumes and develop their interviewing skills. Further, they will work diligently with the Business Scholars Program staff to identify and secure the internship.

#2. Workshops, Events and Other Activities. To help them develop their business and career skills, practice interacting with business leaders and get the most from the program, Scholars will take part in a minimum number of workshops, classroom speaker lunches and other activities each year from a much larger list of alternatives.

Chemistry

Cunningham, Fantin, Hall, Philipp

Major - Bachelor of Arts: Chemistry courses – 161; 185; 221; 222; 325; 372; and three electives from the following 311, 312, 324, 326, 341, 351; and 471 (culminating experience).

Cognate courses: MAT 121; PHY 161 or 162; PHY 185 or 186.

Comprehensive evaluation with passing grade. Total of 10 major courses, plus 3 cognates = 13.

Major - Bachelor of Science: Chemistry courses – 161; 185; 221; 222; two semesters of 308 or one semester of 309; 325; 351; 372; four electives from the following: 311, 312, 324, 326, 341; either 408/409 or 471.

Cognate courses: MAT 121; MAT 122; PHY 161 or 162; PHY 185 or 186.

Comprehensive evaluation with passing grade. Total of 12.5 major courses,
plus 4 cognates = 16.5.

No more than 1 credit of any combination of 308 and 309 can count towards graduation.

Both B.S. and B.A. students should work with their advisors to devise a course of study best suited to prepare them for graduate study or professional opportunities in their area of interest.

Minor: Chemistry courses – 161; 185; 221; 222; 325; any one other at the 300 level. Total of 6 minor courses.

By-pass credit opportunity: Students who are placed directly into 185 (Principles of Chemistry II), and who receive a grade of B or above therein, will receive credit for 161 or equivalent (Principles of Chemistry I) upon request.

CHE 160. Special Topics. Open to first-year students only.

CHE 161. Principles of Chemistry I. Presents current theory regarding the nature of matter from the nuclear scale to that of the molecule and a descriptive and theoretical introduction to the chemical reaction; organized around two central ideas: the atom and energy. Prerequisite: MAT 101, MAT 113, MAT 121 (or above), placement at the Ready for Precalculus level or above, or concurrent enrollment in MAT 101. Satisfies the SL CCR. Partially satisfies the SM CCR. Fee Charged.

CHE 185. Principles of Chemistry II. A continuation of 161. Prerequisite: 161. Fee Charged.

CHE 210. Forensic Science. The study of various techniques and procedures that apply to the broad area of Forensic Science including for example, fingerprinting, trace analysis, DNA, etc. This course will include guest lectures, classroom, laboratory, and field trips to gain a basic understanding of the broad field of Forensic Science. There is an off-campus component for this course and an additional fee required.

CHE 221. Organic Chemistry I. Structure, nomenclature, and properties of organic and biomolecules. Common analytical methods for determining molecular identity are introduced. Includes laboratory work and a laboratory fee. Laboratory experiments focus primarily on common techniques in synthesis including recrystallization, extraction, distillation, and filtration. Prerequisite: CHE 185. Fee Charged.

CHE 222. Organic Chemistry II. A continuation of the study of organic reactions with an emphasis on the determination of reaction mechanisms. Components of this course include spectroscopy and theoretical applications. Laboratory components include synthesis, instrumental analysis, and kinetics. Prerequisite: CHE 221. Fee Charged.

CHE 243 Fermentation Science. The study of various yeast and bacterial fermentation processes including but not limited to cheese, bread, and alcoholic beverages. This course will have a significant off campus experience and may include guest lecturers who are experts in their area of fermentation. There will also be a laboratory component to this course. Fee charged.

CHE 260. Special Topics.

CHE 307. Directed Study. 0.50 unit.

CHE 308. Directed Research. Field or laboratory research performed under the direction of a professor. Prerequisite: permission of directing professor. Graded Pass/Fail. 0.25 unit. Includes laboratory work and a laboratory fee. This course may be repeated for credit. Fee Charged.

CHE 309. Directed Research. Field or laboratory research performed under the direction of a professor. Prerequisite: permission of directing professor. Graded Pass/Fail. 0.50 unit. Includes laboratory work and a laboratory fee. This course may be repeated for credit. Fee Charged.

CHE 311. Physical Chemistry: Chemical Thermodynamics. An introduction to classical thermodynamics and its applications to phase relations, chemical reactivity, chemical equilibrium, and basic electrochemistry. Includes laboratory experience. Prerequisites: CHE 185, PHY 185, MAT 121. Offered alternate years. Fee Charged.

CHE 312. Physical Chemistry: Quantum Chemistry. An introduction to wavemechanics and its applications to spectroscopy and molecular structure. Includes laboratory experience. Prerequisites: CHE 185, PHY 185, MAT 122. Offered alternate years. Fee Charged.

CHE 324. Inorganic Chemistry. Principles of atomic and molecular structure. A group theory approach to molecular bonding and vibrational spectroscopy. An introduction to d-group chemistry and metal-ligand interactions. Prerequisite: CHE 222. Fee Charged.

CHE 325. Instrumental Analysis. Chromatography and spectrophotometric methods of analysis, including GC, LC, HPLC, UV-VIS, IR, NMR. Prerequisite: 222. Fee Charged.

CHE 326. Quantitative Analysis. Classical and electrochemical methods of analysis with inorganic applications; chemical equilibria. Field trips. Prerequisite: 222. Offered alternate years. Fee Charged.

CHE 341. Biochemistry I. Introduction to the application of fundamental chemical principles to the structure and function of proteins and cell membranes. Exploration of bioenergetics and metabolic pathways. Emphasis on protein structure, enzyme catalysis, and regulatory mechanisms. Includes laboratory work and a laboratory fee. Laboratory work includes enzyme kinetics and protein purification. Prerequisites: CHE 222 and BIO 185. Fee Charged.

CHE 342. Biochemistry II. Examination of carbohydrate, fatty acid, lipid, nucleotide, and amino acid metabolism. Additional topics include photosynthesis, nucleic acid chemistry, and protein synthesis. Prerequisite: CHE 341.

CHE 351. Advanced Laboratory. A laboratory-intensive exploration of various techniques, which serve as vehicles to illustrate general aspects of inquiry in chemistry: experimental design, use of literature sources, treatment of experimental uncertainty, and use of laboratory notebooks. Team taught. Offered every Spring Term. Should be completed in the sophomore or junior year. Prerequisites: CHE 222, MAT 111/112 or 121. Fee Charged.

CHE 357. Internship in Chemistry. Prerequisite: Permission of the instructor.

CHE 360. Special Topics.

CHE 370. Directed Study.

CHE 372 Communication in Chemistry. Instruction in the many forms of communication within chemistry including scientific literature research/comprehension, scientific writing, figure design, and oral presentations. The course concludes with the writing of a research proposal. Prerequisite: CHE 222. Strongly recommended to complete S ACE prior to taking this class. Must be completed prior to senior year. Satisfies W2 ACE.

CHE 408-409. Research. Prerequisite: Senior standing and consent of project advisor. May be offered in one term as the one-unit course 471. This course may not be taken concurrently as CHE 308 or CHE 309. 0.50 unit each. Fee Charged.

CHE 471. Senior Thesis. Prerequisite: senior standing and consent of project advisor. May be offered over two terms as the half-unit courses 408 and 409. Fee Charged.

CHE 499. Comprehensive Evaluation.

Classical Studies

Baechle, Gregory, O'Neill, Pittenger

Classics: Archaeology and History

This major is designed for students whose primary interests are in archaeological, historical, and/or art historical studies of the ancient world. In courses on archaeology and art, students will have more time to become familiar with the available archaeological evidence and notable architectural and artistic remains of the Ancient Mediterranean world; they will also learn how these are procured, preserved, and used to understand ancient culture. In history courses, students will get more grounding in ancient historical texts and in current scholarly discussions of ancient history, and they will study the methods and aims of both modern and ancient historians.

Major: GRE 218 or LAT 218; CLA 225 or CLA 228; CLA 251 or CLA 252; two 300-level courses in ancient art and/or archeology or in history; three other appropriate courses as determined by the Classical Studies Department; CLA 401; CLA 471 (culminating experience).

Comprehensive evaluation (CLA 499) with passing grade.

Total of 10.5 major courses.

Minor: CLA 225; CLA 251 or CLA 252; three additional Classical Studies, Latin, or Greek courses (not including LAT 115-116 or GRE 115-116), one of which must be at the 300-level. Except for courses specifically required for the student's major, no more than one of these courses may be counted toward this minor and either a major or another minor. Total of 5 minor courses.

Classics: Language and Literature

Classics is the study of the cultures and cultural values of ancient Greece and Rome. A foundation for that study is learning to read and analyze ancient texts in the original languages. The "Language and Literature" major, therefore, employs language study to hone a student's ability to translate texts faithfully and to develop crucial analytic skills. It is meant for those students who will spend most of their time studying ancient texts in Greek and Latin. In some cases, this means students interested in literature, philosophy, or early Christianity. In others, this will mean students with a broad range of interests that includes further study in the languages. Thus, this major is designed to help students to become competent at learning Greek and/or Latin, as students in Classical Studies have always done; on the other hand, it is designed flexibly in order to accommodate this wide range of possible student interests. Options also exist for those students wishing only to minor in Greek or in Latin (please refer to the portions of the catalog devoted to course-offerings in those languages, below).

Major: Two 300-level courses in Greek and/or Latin; CLA 251 or 252; CLA 401; CLA 471 (culminating experience); four other appropriate courses as determined by the Classical Studies Department. Comprehensive evaluation (CLA 499) with passing grade.

Total of 8.5 major courses.

CLA 100. Mythology. Depending on the instructor, the course will be an introduction to Greek myth or to Roman myth and Roman uses of Greek myth. Topics may include: myth in its historical and social context, myth as a conceptual language for expressing a culture's world-wide view, modern theoretical understandings of the functions of myth, myth as part of a literary and artistic tradition.

CLA 160. Special Topics.

CLA 162. Ancient Eurasia. An examination of great works of literature and art of Greece, Rome, India, and China from about 2500 BCE to 0 CE. This period saw the founding and development of both western culture, in the Greco-Roman period, and the non-western cultures of India and China. The course will trace such themes as Ultimate Reality and the human relationship to it, mortality, the good life, love, heroism, and leadership through the literature and art of these ancient cultures. Partially satisfies the LA CCR. Satisfies the S ACE Satisfies the CP ACE.

CLA 163. Argument & Persuasion in Antiquity. The art of oratory (i.e., public speaking) was developed and elaborated by both the ancient Greeks and the Romans. Persuasion and oral arguments were crucial for the conduct of politics and the law-courts. Not only were famous political and court speeches painstakingly preserved and avidly read, but ancient historical narratives, philosophical works, and even stage dramas also contain extended speeches exhibiting many of the same rhetorical features as their "real-world" cousins. Students in this course will read and analyze a variety of ancient Greek and/or Roman speeches as well as theoretical works about speech-making, all in English translation. They will also give several speeches of their own in which they will construct arguments and practice persuasive techniques. dentical to COM 163. Partially satisfies the HS CCR. Satisfies the S ACE

CLA 171. Ancient Comedy and Tragedy. This course studies both samples of Greek and Roman comedy and tragedy and examples of later Western drama that respond to and reinterpret ancient ideas of drama. In doing so, it examines the conventions of each genre and various ways in which drama can be approached and interpreted. Partially satisfies the LA CCR. Satisfies the W1 ACE.

CLA 172. Ancient Epic. Starting from study of one or more ancient epics, the Iliad, Odyssey, Aeneid etc., the course moves on to further examples of Greek or Roman epics, or non-western epics (like Gilgamesh and the Bhagavad Gita), or later literary and artistic works in the western tradition. Possible topics: the epic hero, adventures and journeys, ancient religion(s), and the nature of literary and artistic traditions. Partially satisfies the LA CCR. Satisfies the W1 ACE.

CLA 173. The Writing of History. Narrative history was an important form of writing in the ancient world. Famous authors such as Herodotus, Thucydides, Livy, Tacitus, and others produced extended literary works in which historical events were recounted in an effort to commemorate, reflect on, and learn from the past. Students in this course will read extensively in English translation from ancient writers of history and will write a series of analytical essays on their methods and aims. Partially satisfies the HS CCR. Satisfies the W1 ACE.

CLA 224. Topics in Classical Mythology. Students will explore one or more aspects of ancient Greek and Roman myth through focused and detailed analysis. While the mythological "theme" may vary from offering to offering, one of the primary goals of the course will be to investigate how and why certain myths or types of myth can resonate so powerfully in Classical culture or in the European tradition (or in both). Possible contexts for analysis include: the

original ancient cultural settings, contemporary and later artistic and literary traditions, the broader sphere of comparative mythology, and modern myth-theory. May be repeated for credit with the permission of the instructor. Prerequisite: CLA 100 or permission of the instructor. Partially satisfies the LA CCR. Satisfies the W2 ACE.

CLA 225. Introduction to Classical Art and Archaeology. This course examines the degree to which the art and artifacts of the ancient Greek and Roman worlds can help to inform us about the cultural settings in which they were created. Throughout the semester, students will chart the evolution of Classical art and architecture and discover how an archaeologist might use the remains of the ancient past to reconstruct daily life and broader cultural phenomena. This overview is intended to introduce the student to the most widely referenced material works of the Greek and Roman past and the factors which influenced their style and substance. Identical to ARTH 225. Partially satisfies the LA CCR. Partially satisfies the HS CCR.

CLA 226. Medieval Philosophy. A survey of Western philosophy from St. Augustine to Nicholas of Cusa. Focus on the development of Christian philosophy. Satisfies the PP CCR. Identical to PHI 226.

CLA 228. Archaeological Methods and Theory. This course introduces the discipline of archaeology and the methods used by archaeologists to study the human past through material remains. Both within and outside of the classroom, a wide range of techniques will be explained and evaluated, including: preliminary research design, excavation, data collection and analysis, dating methods, sampling, geophysical exploration, surface survey, site preservation, and artifact conservation. Much of the requisite work will take place outside of the classroom, and every student will be required to participate in active fieldwork throughout the semester. Identical to ANTH 228.

CLA 234. Classical Literature in Translation. This course offers students the opportunity to get an overview of a particular genre of Classical literature, history, or rhetoric: ancient epic, ancient drama, personal lyric, historical biography, ancient letters, political rhetoric, etc. – any genre can be studied in survey form and in translation. The course will be particularly valuable for students interested in the connections between Greek and Roman texts or in the later history of the genre in the European tradition. Course can be repeated for credit with the permission of the instructor. Partially satisfies the LA CCR. Satisfies the W2 ACE.

CLA 251. Greek History. A survey of Greek history from the Aegean Bronze Age to the age of Alexander. Identical to HIS 251. Offered every third year. Partially satisfies the HS CCR.

CLA 252. Roman History. A survey of Roman history from the founding of the city to the fall of the Roman Empire. Identical to HIS 252. Offered alternate years. Partially satisfies the HS CCR.

CLA 253. Roman Games. Mass-entertainment by means of blood-sports, in the arena and the circus, was a prominent feature of Roman culture. This course will examine the social, religious, economic and political significance of the Roman games from a historical standpoint, including archaeological remains, artistic renderings and literary sources both pagan and Christian. Discussion will also touch on modern parallels and big-budget Hollywood films. All sources in English translation. Identical to HIS 253. Offered alternate years during Spring Term. Partially satisfies the HS CCR.

CLA 260. Special Topics.

CLA 307. Directed Study. .50 unit.

CLA 345. Advanced Topics in Mediterranean Archaeology. This course offers a thorough examination of a topic related to the material culture of the ancient Mediterranean world. While the geographic and chronological focus may change from offering to offering, this course will invariably provide the setting for the concentrated analysis of a particular range

of archaeological materials and approaches, with a strong emphasis placed on current field-methods, theoretical discussions, and research practices. This course may be repeated for credit with the permission of the instructor. Partially satisfies the HS CCR. Prerequisite: CLA 225 or CLA 228 /Anth228.

CLA 346. Society and Politics in Athens. How did people in ancient Athens think about differences among various kinds of people: rich and poor, free and slave, male and female, Athenian and non-Athenian? This course examines the social and political world shaped by Athenian thinking about those differences. Partially satisfies the HS CCR.

CLA 351. Alexander & the Hellenistic World. Alexander the Great remains one of the most compelling figures in all of history, and after his death the Mediterranean world was never the same again. His successors carved up his vast empire between them, and the new hybrid civilization they created (known as Hellenistic or "Greek-ish") was still in place more than a century later when the Romans came along. This course is taught as a seminar and will cover a wide range of topics, including warfare, politics, society, culture and always the problem of evidence. No prerequisite, but students are encouraged to contact the instructor in advance. Offered every three years. Identical to HIS 351. Partially satisfies the HS CCR.

CLA 353. Advanced Topics in Ancient History. This course offers a thorough and detailed examination of an important topic or problem from Greco-Roman history. The specific focus of the course may vary, but the goal in each case will be to sift through the ancient evidence for the problem at hand, knowing that this is often highly fragmentary and/or biased in some way, and also to analyze and assess a range of divergent scholarly arguments based on that evidence, so as to arrive at a deeper understanding of the ancient historian's craft, as well as an understanding of its inherent limitations. Identical to HIS 353. This course may be repeated for credit with the permission of the instructor.

CLA 360. Special Topics.

CLA 366. Studies in Historiography. An examination of selected topics in the ancient world, emphasizing the history, philosophy and methods of historical investigation. Content may vary. May be repeated for credit with permission of instructor. Offered alternate years. Identical to HIS 366.

CLA 370. Directed Study.

CLA 401. Seminar for Majors. Preliminary work for the Senior Thesis combined with background for the reading lists for the comprehensive exam and study of the history and methodologies of Classics as a discipline. .50 unit

CLA 471. Senior Thesis.

CLA 499. Comprehensive Evaluation.

Communication

Bettler, Davidson, Winters, Young

Major: Communication courses – 212; 324; 330; one from 240, 242, 243, 246, 251; one from 323, 325, 328, 342, 350; one from 319, 320, 327, 346; culminating experience, one from 459, 461, or 462; and any three electives.

Comprehensive evaluation, with passing grade. Total of 10 major courses.

Minor: Any five Communication units.

Communication students learn to interact effectively, confidently, and ethically. They study message-related behaviors in a variety of contexts. They gain conceptual knowledge

and practical skills that guide them in making thoughtful communication choices in their professional and personal lives, in their use of media, and as engaged global citizens.

Com 049. Media Production Participation. Involvement in 10 approved television production and journalism projects during the combined fall and winter terms. Students are involved in both production and editorial roles. Pass/Fail. May be repeated for up to 1 credit. Permission of instructor. 0.25 unit.

COM 160. Special Topics.

COM 161. Rhetoric of American Identity. An examination of great works of literature, political rhetoric, art, film, and theater that have helped create and critique the identity of the United States. The course will trace themes of individualism, freedom, equality, populism, diversity, and nature in works from the 19th and 20th centuries and will examine the implications of various American self-definitions. Partially satisfies the LA CCR. Satisfies the S ACE.

COM 163. Argument & Persuasion in Antiquity. The art of oratory (i.e., public speaking) was developed and elaborated by both the ancient Greeks and the Romans. Persuasion and oral arguments were crucial for the conduct of politics and the law-courts. Not only were famous political and court speeches painstakingly preserved and avidly read, but ancient historical narratives, philosophical works, and even stage dramas also contain extended speeches exhibiting many of the same rhetorical features as their "real-world" cousins. Students in this course will read and analyze a variety of ancient Greek and/or Roman speeches as well as theoretical works about speech-making, all in English translation. They will also give several speeches of their own in which they will construct arguments and practice persuasive techniques. Identical to CLA 163. Partially satisfies the HS CCR. Satisfies the S ACE.

COM 164. War and Upheaval through Film. Analysis of films at the levels of message creation, audience response, and social impact on issues such as war, race, religion and gender. Partially satisfies the HS CCR. Satisfies the W1 ACE.

COM 210. Graphic Design I. Explores design and the design process through historical examples, theory, typographic studies, problem definition, digital and traditional design tools, production and content delivery. Focus on digital photography and photo manipulation as well as digital illustration and graphic layout. Each student will gain professional experience and potentially work on a design project for Hanover College's Office of Communications & Marketing. Identical to ART 210. Fee Charged.

COM 211. Public Communication. Explores the theories, practice, and criticism of oral communication as a responsibility of individuals living in a democracy. Focus equally divided between mass media, small group, and public speaking. Satisfies the S ACE.

COM 212. Introduction to Communication. Examines a broad spectrum of communication concepts and issues in modern society. Directed at students with an interest in the discipline of communication.

COM 240. Survey of Mass Media. Survey of functions, operations, responsibilities, and influences of various mass communication media with major emphasis on broadcasting. Directed toward the consumer and critic of mass media in American culture. Partially satisfies the HS CCR.

COM 242. Visual Communication. Introduction to the fundamental concepts and principles of visual message design. Emphasis on development of visual literacy, understanding of theories of visual perceptions, and critical analysis of media messages. Lecture and laboratory. Satisfies the S ACE. Fee Charged.

COM 243. Video Production. Introduction to the principles and practice of video production, with an emphasis on applied aesthetics. Includes methods of program design and management, single and multi-camera production technique, editing, lighting, sound, and visual effects. Partially satisfies the LA CCR. Fee charged.

COM 246. Writing for the Media. An examination of writing styles used for television, radio, and the Internet, with emphasis on writing for public relations, journalism, and advertising. Course involves extensive writing practice. Fee Charged.

COM 250. Rhetoric of Film. Examines the psychological and rhetorical qualities of film as they apply to filmmakers, audiences, and cinematic texts. An interdisciplinary approach integrates experimental, qualitative, and interpretive research from the domains of psychology, mass communication, film studies, and literary criticism. Identical to PSY 250. Prerequisite: 212 or 242 or PSY 111.

COM 251. American Journalism. An introductory course that explores the theoretical and practical sides of contemporary newspaper, magazine, and Internet journalism. Topics may include history and evolution of U.S. print media, their ethics, and their role in American society today. Intensive work on reporting and writing. In-class discussion of student work. Partially satisfies the LA CCR. Satisfies the W1 ACE. Identical to ENG 251.

COM 260. Special Topics.

All 300-level Communication courses require at least sophomore standing or permission of instructor.

COM 307. Directed Study. 0.50 unit.

COM 319. Organizational Communication. Examines the role and function of communication in businesses and other modern organizations. Includes study of organizational theory, message transmission, conflict management, employee motivation and satisfaction, and related current issues.

COM 320. Persuasive Communication. Examines the function of persuasion in affecting public opinion, the role of persuasive methods, and techniques for implementing social change.

COM 321. Media Criticism. An examination of how rhetorical theory and criticism help audiences interpret and find meaning from media texts, including film, song, and television.

COM 323. Gender and Communication. Study of the significance of gender in personal, interpersonal, organizational, and societal contexts. Partially satisfies the HS CCR.

COM 324. Rhetorical Theory. Study of the development of public communication in relationship to the development of Western philosophy and practice. Emphasizes major rhetorical theories from the classical to the contemporary era. Prerequisite: 212 and junior or senior standing. Partially satisfies the LA CCR. Satisfies the W2 ACE.

COM325 Political Rhetoric and Campaigns. Examines the role of communication in political contexts, such as campaigns and public address. Partially satisfies the HS CCR. Not open to students with prior credit in COM 326.

COM 327. Interpersonal Communication. Examines communication behavior in developing and maintaining human relationships. Partially satisfies the HS CCR.

COM 328. Cross-Cultural Communication. Perspectives on cross-cultural communication, including culture-bound assumptions, cross-cultural analysis of values, beliefs, verbal and non-verbal communication and their impact. Partially satisfies the HS CCR. Satisfies the S ACE. Satisfies the CP ACE.

COM 330. Communication Research and Methodology. Examines the empirical side of the communication field and its literature, exploring research designs, methods, and technologies and the empirical literature of communication research. Prerequisite: 212 and junior or senior standing. Satisfies the W2 ACE.

COM 342. Multimedia Journalism. Examines the acquisition, production, and distribution of video news in society. Includes broadcast news, video storytelling, and social media. Partially satisfies the HS CCR. Fee Charged.

COM 345. Documentary Production. Advanced study and practice of video production principles and techniques, with emphasis on the documentary and reality television forms. Students will work on teams researching, shooting, producing, and writing their own mini-documentary and reality television segments, shot on location. In some years, course will involve off-campus travel. Prerequisite 242, 243, or 246. Partially satisfies the LA CCR. Satisfies the S ACE. Fee Charged.

COM 346. Health Communication. An examination of health communication in several different social and cultural contexts, including theory, organizational structures, media and technology, and personal relationships.

COM350. Communication Law and Public Policy. Survey of communication policy issues with emphasis on U.S. lawmaking process, highlighting current issues and the dynamic relationships between governmental entities, the public, communication industries, and influencers. Includes topics of censorship and speech rights, communication industry regulation, privacy, libel, newsgathering, intellectual property, and commercial speech. Not open to students with prior credit in COM349.

COM 357. Internship. Supervised experience in Communication.

COM 360. Special Topics.

COM 370. Directed Study.

COM 459. Professional Media Directorship. Culminating on-campus experience of applied nature in broadcasting, journalism, or public relations during the combined fall and winter terms in which the student assumes editorial responsibility for a campus media outlet. Approval must be received by the first week of fall term, but registration does not occur until winter term. Prerequisite: Application and approval of department chair.

COM 461. Senior Seminar. Examines communication research questions from diverse perspectives and methods of analysis. Students will complete an original, empirical research paper related to a topic of the student's interest in the field of communication. Culminating experience. Prerequisites: 212, 330. Communication Major. Senior standing.

COM 462. Advanced Production Practicum. Advanced film and television course in which students complete a significant artistic or journalistic project. Can serve as culminating experience for Communication students, but is open to other majors. Prerequisites: Any two of: 243, 246, 342, or 345. Fee Charged.

COM 471. Senior Thesis.

COM 499. Comprehensive Evaluation.

Computer Science

Kremer-Herman, Skiadas, Wahl, Wilson

Major: Computer Science courses – 220; 223; 225; 231; 321; 335; 461 or 471 (culminating experience); four additional computer science credits at or above the 200 level, with at least

three at or above the 300 level.

Cognate course: MAT 243 or MAT 220.

Comprehensive evaluation, with passing grade.

Total of 11 major courses plus 1 cognate = 12.

Recommendation: Students majoring in computer science are strongly advised to take at least one course in discrete mathematics (MAT 243 or MAT 343 or both).

Note: Students who may wish to major in Computer Science should complete (at least) CS 220 during their first year of study at Hanover. Ideally, students planning to major in CS will take both 220 and 223 in their first year.

Note:

• Students planning to major in computer science should take both 220 and 223 by the end of their sophomore year.

• Students seeking a broad introduction to computer science or looking for credit toward the SM CCR should take CS 112.

• Students planning to major in ENGR need to start their coursework in computer science with CS 220, not CS 112.

Minor: Computer Science courses—220; 223; three additional computer science units at the 200 level or above, one of which may be replaced by one of the following: BSP 324, GEO 221, MAT 220, MAT 243. Total of 5 minor courses.

By-pass credit opportunity: Students placed directly into CS 223, and who earn a grade of B or better for the course, will receive credit for CS 220 upon application to the Registrar.

CS 112. Computer Science Principles. Introduction to the "big ideas" of computer science: creativity, abstraction, data and information, algorithms, programming, and the internet. Students will develop their communication, teamwork, and problem-solving skills. Includes an exploration of the global impacts of computing. Partially satisfies the SM CCR. Not open to students with prior credit in 220 or the equivalent. Does not count toward the major or minor. Fee charged.

CS 160. Special Topics.

CS 210. Scientific Modeling. Computer Science is one of the most versatile tools for scientists. This course will use real science problems from physical and biological sciences to teach students how to build computational models to explain these problems. Focus is on the use of modeling as part of the scientific process to lead to further discovery. A working knowledge of mathematics and science is expected. Offered alternate years.

CS 218. Survey of Data Science. A survey of the main techniques and applications foundational to Data Science, including the "data science process," naive Bayes and other classifiers, regression analysis, and the use of separate data sets for the training, validation, and testing of possible predictive relationships. Emphasis on case studies and concrete examples. Prerequisite: MAT 217 or ECO 257.

CS220. Fundamentals of Computer Science. An introduction to problem-solving, program design, testing methodology and structure of programming languages. Students will learn to program in a high-level programming language to solve problems from a wide range of computer science topics. Partially satisfies the SM CCR. Includes lab. Fee charged.

CS 223. Data Structures. A study of the implementation and evaluation of advanced data

structures. Data structures include linked lists, stacks, queues, trees, graphs and tables with the use of recursive algorithms to perform operations. Includes lab. Prerequisites: 220. Partially satisfies the SM CCR. Fee Charged.

CS 225. Algorithmic Analysis. A systematic study of creating and evaluating algorithms, the process of solving problems. Brute force, divide-and-conquer, and problem transformation techniques are used to solve problems. Big Theta notation, best-average-worse case analysis, and notions of NP completeness are used to evaluate problems. Recommended by end of junior year. Prerequisites: 220 and one of MAT 243 or MAT 220. Fee Charged.

CS 229 Data Wrangling and Management. An overview of the fundamental principles and techniques related to the collection, storage and management of information: SQL/NoSQL fundamentals; data scraping, querying and aggregation; data manipulation and analysis. Not open to students with prior credit in 328. Prerequisite: 220.

CS 231. Systems Fundamentals. Fundamentals of the hardware and software infrastructure upon which applications are constructed, including data representations, Boolean algebra and digital logic, assemblers and I/O implementations, instruction sets, memory organization, system performance evaluation and benchmarks. Includes an introduction to system software, parallel and distributed architectures, and computer networking. Prerequisites: 220; MAT 101, Mat 113, MAT 121 (or above), placement at the Ready for Precalculus level or above, or concurrent enrollment in MAT 101. Not open to students with previous credit for CS 234.

CS 233. Introduction to Robotics. Introduction to robotics and topics in artificial intelligence relevant to robotics through a combination of lectures and labs. Lectures introduce concepts, such as paradigms for organizing intelligence in robots and different sensing techniques. In labs, students learn an open-source robotics platform, such as Arduino, with the goal of building a working reactive robot by the end of the course. Offered alternate years. Prerequisite: 223. Fee charged.

CS 260. Special Topics. Fee Charged**.**

CS 307. Directed Study. .50 unit.

CS 320. Topics in Software Development. Introduction to the various facets of software development such as modular programming, design patterns, source code version control, test-driven development and documentation. Prerequisite: CS 223. May be repeated for credit with permission of the instructor.

CS 321. Software Development Practicum. An exploration of practices and skills essential to software development: object-oriented-programming fundamentals; class design principles; design patterns; user stories; agile development; test-driven development; coding practices. Students will employ what they learn in the development and delivery of a high-quality software product. Includes lab. Prerequisite: 223

CS 323. Mobile Application Development. Introduction to developing apps for Android mobile devices. Includes general development topics such as modular programming, design patterns, version control, automated testing, and documentation. Android-specific topics include: activities, fragments, and layouts; app navigation; life-cycle methods; connecting to databases; using built-in services. Prerequisite: 223.

CS 325. Web Application Development. Introduction to the various facets of developing web applications, with an emphasis on software development concepts including modular programming, automated testing, documentation, and version control. Other topics include: user interaction, code modularity, and business logic via JavaScript; page formatting via HTML templates and CSS; asynchronous client-server communication. Prerequisite: 223.

CS 326. Functional Programming. Introduction to the principles of functional programming, including higher-order functions, recursive definitions, list processing, and pattern matching. Offered alternate years. Prerequisite: CS 223.

CS 328 Data Management and Web Services. An overview of the fundamental principles and techniques related to the collection, storage, management and delivery of information: SQL/NoSQL fundamentals; data scraping, querying and aggregation; transport protocols; web services. Not open to students with prior credit in 229. Prerequisite: 223

CS 329. Database with Web Applications. Introduction to fundamental concepts of database management systems, including database design, data definition languages, data manipulation languages, and database system implementation. Particular emphasis will be placed on implementation of web-based applications that make use of databases. Offered alternate years. Prerequisite: 223.

CS 335. Theory of Computation. A mathematical investigation of the fundamental capabilities and limitations of computers. Finite automata, Turing machines, regular and context-free languages, computability and solvability, the halting problem, Church's thesis. Offered alternate years. Prerequisite: 225.

CS 340. Computer Networks. A study of modern communication systems, predominantly the Internet. Topics include: the client-server paradigm, use of existing protocols, creation of new protocols, P2P applications, routing algorithms, distributed sharing of resources and communicating in the face of unreliable networks. Offered alternate years. Prerequisite: 223 and 231.

CS 345. Operating Systems. Theory of operating systems, including memory management, concurrent processes, scheduling algorithms, device drivers, and file systems. Offered alternate years. Prerequisite: 223 and 231.

CS 348. Artificial Intelligence. Knowledge representation, natural language processing, models of reasoning and learning, heuristic search methods, connectionism, and robotics. Offered alternate years. Prerequisite: 223 and 225.

CS 357. Internship. Off-campus supervised experience in computer science.

CS 360. Special Topics.

CS 370. Directed Study.

CS 461. Senior Seminar. Seminar course in which students are aided in developing, writing, presenting, and managing an individual software or research project. Students present their project proposals in both written and oral form. Good software development practices, such as version control, and soft skills, such as effective communication, are emphasized. Prerequisite: senior standing; computer science major; and 321. Satisfies the W2 ACE.

CS 471. Senior Thesis.

CS 499. Comprehensive Evaluation.

Creative Writing

Goertz, Lemerond, Stokes, Winters

Minor: One course in modern and contemporary literature, choosing from ENG 321 20th Century Poetry, ENG 322 20th Century Fiction, or ENG 336 Modern and Contemporary Drama.

At least four course units from the following COM 246 Writing for the Media, ENG 161 Poetry: The Spoken Word, ENG 252 Creative Writing for the Digital Age, ENG 355 Advanced Creative Writing Workshop, ENG/THR 343 Screenwriting, THR 345 Playwriting, THR 346 Advanced Playwriting, ENG/COM 251 American Journalism.

No more than one course may be counted toward both a major and a minor or towards any two minors.

Total of five courses.

Economics

Dodge, Eiriksson, Graham, Shahinpoor

Major: Economics courses - 113 and 114 (highly recommended by the end of sophomore year); 213; 214; 257; 321; 461 (culminating experience); any four others, only one of which can be at the 100-level.

Cognate courses: MAT 121, or equivalent.

Comprehensive evaluation with passing grade. Total of 11 major courses, plus 1 cognate = 12.

Minor: Economics courses – 113 and 114 (by end of sophomore year), 213 or 214, and any three others excluding 257. Total of 6 minor courses.

ECO 113. Principles of Microeconomics. Introduction to the basic principles and theories of microeconomics. Emphasis is given to studying individual behavior for both consumers and firms within the context of a market economy.

ECO 114. Principles of Macroeconomics. Overview of basic principles and theories associated with the establishment of market prices, national income determination, and fiscal and monetary policy.

ECO 160. Special Topics.

ECO 161. Foundations of Economics. Theories describing resource allocation in a market economy will be introduced. The individual behavior of both consumers and firms will be studied in the context of a market economy, along with an overview of basic principles related to national income determination and fiscal and monetary policy. Partially satisfies the HS CCR.

ECO 213. Intermediate Microeconomics. Examination of the basic assumptions and methods of analysis employed in microeconomics, with an emphasis on demand, production, cost, and market structures. Prerequisites: 113 and MAT 121, or equivalent.

ECO 214. Intermediate Macroeconomics. Analysis of national income, employment, price level determination, and monetary and fiscal policies, emphasizing contemporary macroeconomic issues. Prerequisites: 114 and MAT 121, or equivalent.

ECO 221. Environmental Economics. A study of environmental issues, policies, and debates from an economic perspective. Introductory concepts such as negative externalities and public goods are expanded and integrated into modern economic models currently being used to study the impact that economic activity has upon the environment. Prerequisite: 113.

ECO 222. Economics of the European Union. An examination of the economics of the European Union (EU) and, in particular, the economics of the European Monetary Union (EMU). The main focus is on the economic costs and benefits of a monetary union, with specific reference to EMU member countries, and what member countries could do to maximize the benefits and/or minimize the costs. In addition, the EU governance structure will be examined as well as the role and purpose of various EU institutions. Offered during Spring

Term with a two-week field trip to Brussels, Belgium. Prerequisite: ECO 114.

ECO 223. Economics of Poverty and Discrimination. This course explores how the discipline of economics can explain the causes and effects of poverty and discrimination on various segments of the population. Students will be introduced to economic theories of poverty and discrimination, measures of poverty and discrimination, and successes and failures of public policies designed to reduce poverty and discrimination in the U.S. International dimensions of poverty and discrimination will also be discussed. Prerequisites: ECO 113 or ECO 114 or ECO 161. Offered during Spring Term and includes service learning (visiting and volunteering at homeless shelters and soup kitchens in Cincinnati, Louisville, Indianapolis and Madison).

ECO 234. Rational Choices. A course in making rational decisions, comprising the study of decision theory, game theory and social choice theory. A survey of basic principles and their application. Identical to PHI 234. Partially satisfies the SM CCR. Satisfies the QL ACE.

ECO 257. Quantitative Methods for Business and Economics. Introduction to the quantitative methods used in business and economics with an emphasis on their application. Methods studied include confidence intervals, hypothesis testing, correlation analysis, and simple linear regression. Prerequisite: 113 or 114.

ECO 260. Special Topics.

ECO 307. Directed Study. .50 unit.

ECO 315. U.S. Economic History. Utilizes economic theory in an examination of the United States' economic growth and development from the colonial period until World War II. Prerequisite: 113 or 114.

ECO 316. History of Economic Thought. This course provides an overview of economic theory's development. Major individuals and schools of economic thought are examined within their historical context. Prerequisites: ECO 113 and 114.

ECO 321. Money and Financial Markets. Structure and operation of financial markets with emphasis on money creation by depository institutions and regulation by the Federal Reserve System. Prerequisite: 113 and 114.

ECO 331. Labor Economics. Examines models of worker and employer decisions in labor markets. Both parties operate in the face of scarce resources, government regulation, changing demographic patterns, and other economic forces. Offered at least every other Spring Term with a one-week field trip in Washington, D.C. Prerequisite: 213.

ECO 333. International Trade and Finance. Theory of foreign trade, effects of trade restriction, balance of payments analysis, foreign exchange markets, and individual country studies. Prerequisite: 114.

ECO 335. Managerial Economics. Application of economic theory to business decision making based on the integration of microeconomics, mathematics, and statistics. Prerequisites: 213, 257, and MAT 121, or equivalent.

ECO 337. Economic Development. Examination of the concepts, practices, and problems of economic development, with particular emphasis on the less developed countries of Asia, Africa, and Latin America. Prerequisite: 113 or 114.

ECO 357. Internship. Designed to involve the student in an actual working environment using information and skills learned in the classroom. Prerequisites: 213, 214, and permission of Department.

ECO 360. Special Topics.

ECO 370. Directed Study.

ECO 461. Senior Seminar Econometrics. Application of econometric procedures in economic research. Each student completes a formal written piece of econometric research for public presentation. Prerequisites: 213, 214, and 257.

ECO 471. Senior Thesis. Preparation of a formal research paper on a topic of student choice. Recommended for students intending to pursue graduate study. Prerequisites: 213, 214, and 321.

ECO 499. Comprehensive Evaluation.

Education

Bailey, Bennett, Hanson, Roth

The Education Department of Hanover College is devoted to developing teachers who are competent, committed, culturally responsive and critically reflective. There are eight different pathways available through the Educator Preparation Program to achieve these goals:

• Elementary Education major (no teaching certification)

• Elementary Education major + teaching certification for grades K-6

• Secondary Education major (no teaching certification)

• Secondary Education major + an approved content area major + teaching certification for grades 5-12

• Secondary Education major + an approved content area major + teaching certification for grades P-12

• Approved content area major + basic secondary teaching certification for grades 5-12

• Approved content area major + all grade teaching certification for grades P-12

• Teaching Diverse Learners (mild interventions) special education program that can be paired with elementary (grades K-6) or secondary (grades 5-12) or all grade (grades p-12) teaching certification

All pathways require admission into the Educator Preparation Program. Admission guidelines can be found on the Educator Preparation Program webpage at education.hanover.edu.

Elementary Education Major: The elementary education major focuses on the learner in grades K-6 and requires admission to the Educator Preparation Program. This major integrates liberal arts coursework with educational theory, pedagogy, and methodology. As early as the freshman year, students will be engaged in the elementary classroom; this continues throughout the entire education curriculum with over 100 hours spent in the classroom before graduation. Elementary Education candidates will be required to complete either an approved liberal arts minor or seek mild interventions certification through the Teaching Diverse Learners Program. This contributes to teacher candidates having a strong content area focus and a firm foundation in the liberal arts, which stresses critical thinking, problem-solving, communication skills, and lifelong learning.

Elementary Education Certification: This option provides the necessary certification for to be eligible for licensing certification in grades K-6. Students wishing to pursue this option must complete the requirements for the Elementary Education major. In addition, the students will take the elective EDU 456 Student Teaching in the Elementary School and MAT 212 Mathematics for Elementary School Teachers.

Secondary Education Major: The Secondary Education major focuses on the learner in grades 5-12 and requires admission to the Educator Preparation Program. Students majoring in secondary education will have the depth of knowledge important to work with adolescents and beyond, including important differences targeting middle school versus high school student needs. This major includes additional coursework that provides the student with additional advanced knowledge in key areas: educational technology, special education policy, and classroom management.

Secondary Education Major with Certification: The Secondary Education major provides for an enhanced preparation that is highly-desired among school employers and as such, is the recommended path for Secondary Education students. For teaching certification, the Secondary Education major must be paired with an approved content area major. This option provides the necessary certification to be eligible for licensing certification in grades 5-12. Students wishing to pursue this option must complete the requirements of an approved program content area major, plus the Secondary Education major, along with certification requirements, including PSY 111, PSY 244, and the elective EDU 455, Student Teaching in the Secondary School, as well as EDU 226, 252, 255, 461 and EDU 499. A list of approved majors and supporting areas for programs leading to Secondary Education certification is available later in this catalog. Students in Secondary Educator Preparation Programs have a liberal arts major advisor well as an Education Department advisor.

Basic Secondary Education Certification: Students may choose to pursue a secondary education certification and to take courses focused on secondary education without pursuing the secondary education major. This option requires a major in a content-area and certification coursework including EDU 455 Student Teaching in the Secondary School but does not include the advanced courses and the comprehensive examination required by the Secondary Education major.

All Grade Education Certification: This option makes P-12 Certification available to students in Health/Physical Education, Theatre Arts, Visual Arts, and World Languages. To complete these P-12 Programs, candidates would complete EDU 459. Student Teaching in a P-12 Environment will include all grade levels within one placement, but otherwise is the same as the Secondary Education certification requirements (with or without the dual Secondary Education major).

Teaching Diverse Learners Program: This is a dual certification program that leads to special education certification for P-12 Special Needs – Mild Interventions that is to be paired with either Elementary Education (K-6) or Secondary Education (5-12). More specifically, this program includes advanced concepts designed to prepare you to teach students with a variety of special education needs. Because of the high demand for teachers who are qualified to work with diverse learners, you can expect a wide range of career opportunities. Five courses are required in addition to an Elementary or a Secondary base preparation: EDU 252, 253, 254, 255 and 256. Integrated student teaching (EDU 458) will include both regular and special education requirements contained within one placement.

*This is not a "stand-alone" program

All Education students: All students seeking majors and/or certification at the K-6 elementary level, the 5-12 secondary level, or the P-12 all grade levels are required to be admitted to the Educator Preparation Program (EPP), preferably during their sophomore year. Application guidelines are available through the Education Department. Students must take EDU 221 (Education & the American Culture) as the gateway course to the program and may take EDU 172 (Exploring the Arts) *for Elementary Education only, EDU 231 (Education Law & Ethics),

EDU 240 (Children's Literature) and any of the Teaching Diverse Learners courses (EDU 252, 253, 254, 255, 256) prior to admittance to the program. All other Educator Preparation Program courses, activities and field experiences require EDU 221 and admittance into the Educator Preparation Program. There are certain fees associated with the Educator Preparation Program and completing certification. These costs will be similar at any accredited institution that offers teacher certification programs as requirements are determined by accrediting agencies and the Indiana Department of Education for all teacher candidates. The current fee charges can be found on the Educator Preparation Program website.

Elementary Education Major: Admission to the Educator Preparation Program required. Education courses: 221; 231; 302; 304; 305; 308; 340; 461; PSY 111; PSY 244; HF 101; HF 105; EDU 172 or EDU 216; BIO 165 or BIO 161.

Cognate courses: One course from the following: EDU 240, ENG 243, ENG 325, FRE 310, FRE 311, FRE 320, FRE 332, FRE 335, FRE 336, GER 240, GER 242, GER 325, GER 327, SPA 320, SPA 327, SPA 328, SPA 333, SPA 334, SPA 337 or other survey of literature courses by petition. One course from the following: HIS 225, HIS 226, HIS 227, HIS 229, HIS 230, HIS 231, HIS 234, HIS 330, HIS 333, HIS 334, HIS 335, HIS 336, or HIS 337, or other U.S. history courses by petition.

Comprehensive evaluation: exam by department. Total of 12 units in major plus 2 cognate courses = 14 units for the major.

Minor in an additional approved liberal arts area is also required (5-6 courses depending on area selected) except for students who complete a second major or the Teaching Diverse Learners Program.

For those students wishing to obtain certification for K-6 licensure, the electives EDU 310, Elementary Urban Teaching, EDU 456 (Elementary Student Teaching - 4 units) and MAT 212, Mathematics for Elementary School Teachers will be required along with completion of the elementary education major.

Secondary Education Major: Admission to the Educator Preparation Program required. Education courses: 221; 231; 252; 255; 314; 315; 33X; 461.

Cognate courses: PSY 111; PSY 244. Comprehensive evaluation: exam by department. Total of 9 units in major plus 2 cognate courses = 11 units for the major.

A dual major in a liberal arts teaching content is required.

For those students wishing to obtain certification for 5-12 licensure, admission to the Educator Preparation Program, the electives EDU 312 (Secondary Urban Experience) and EDU 455 (Secondary Student Teaching - 4 units) will also be required. Programs leading to secondary teacher certification include: Biology, Chemistry, Earth/Space Science, English, Life Science, Mathematics, Physics, Psychology, Social Studies (Historical Perspectives, Government, Economics), and Sociology.

For students wishing to obtain certification for P-12 licensure: Physical Education & Health, Theatre Arts, Visual Arts, and World Languages (French, Spanish) the student teaching course would be EDU 459 Student Teaching in the P-12 Environment – 4 units)

Dual License option in Mild Intervention (P-12). Secondary Education Certification: Admission to the Educator Preparation Program required. Education courses: 221; 231; 314; 315; 33X; PSY 111; PSY 244 plus Mild Intervention courses: EDU 252; 253; 254; 255; 256. The elective EDU 458 (Integrated Student Teaching) will also be required.

Explanation of Prerequisites: Students proceed through a course of study toward teacher

certification contingent upon successfully meeting criteria at each sequential (prerequisite) decision point. These are:

Decision Point 1: Completion of EDU 221 with level one dispositional feedback, Application on My Hanover, GPA of 2.67, meeting admission exam scores as posted, and successful Decision Point 1 Interview (by the Teacher Education Committee) resulting in formal admission to the Educator Preparation Program.

Decision Point 2: Minimum GPA of 3.0 in the major, completion of 300 level (methods) courses with level two dispositional evaluation, successful Decision Point Two Interview by Education Advisory Council of education stakeholder to assess dispositions and portfolio quality resulting in approval for a Student Teaching assignment.

Decision Point 3: Successful completion of student teaching assignment with level three dispositions, successful Decision Point 3 Interview by Education Advisory Council of education stakeholders, completion of major resulting in a degree and teacher certification for licensing.

Teaching License Requirements: Licensing exams in both the appropriate Pedagogy grade levels (K-6, 5-12, P-12) and teaching content area(s) are required for candidates seeking a State of Indiana teaching license. Teaching licenses are requested through the License Verification an Information System (LVIS) for the state of Indiana and these licensing applications must be are approved by the Licensing Advisor for Hanover College following graduation with the appropriate degree and completion of all licensing requirements including CPR certification, Suicide Prevention certification, and passing of the required licensing exams. Information on licensing exams and other requirements is available on the Education Preparation Program's website as well as through the Education Student Services Office and the Education faculty.

EDU 160. Special Topics.

EDU 172. Exploring the Arts. An exploration of selected canonical works of visual art, music, literature, and theater. The class will emphasize isolating and analyzing formal elements of specific works, and understanding how these elements convey meaning and evoke emotion. Open to all students with no prior credit in EDU 216. Satisfies W1 ACE. Partially satisfies LA CCR.

EDU 216. Focus on the Arts. An inquiry into the relationships between the arts and other non-arts fields of knowledge and practice. Open to all students with no prior credit in 172. Does not count towards major or minors in Art and Design, Art History, or Music. Does not count towards the major in Theatre, but is required for Theatre students in the teacher certification program.

EDU 221. Education & the American Culture. A survey of the historical, philosophical, and societal influences on the profession of teaching and assessment of the effectiveness of school reform in relation to the curriculum, student diversity, school governance, and funding. This course serves as the gateway to the teacher education program and must be completed before application to program. Satisfies the W2 ACE.

EDU 226. Educational Technology. This course explores various tools that assist classroom instruction for a K-12 environment, integrating elements of design, implementation, and assessment. Learning Management Systems, and the use of software applications will be explored. Prerequisite: EDU 221. Satisfies the S ACE.

EDU 231. Education Law & Ethics. Overview of the legal framework affecting the organization and administration of public schools, including liability, financing, bargaining, student and teacher rights and curricular freedom; professional ethical decision-making, teacher conduct, and policy analysis are all explored.

EDU 240. Children's Literature. A survey of literature that is appropriate for use in elementary and secondary school classrooms. Areas of emphasis include genre study, integration

of trade books into the content areas, attention to diversity and multicultural literature, and ways to use and share literature. Recommended for those in elementary education or English majors pursuing secondary education certification.

EDU 252. Professional Collaboration. Service delivery models, working with families, case conference process, moral and ethical conduct, Intro to the IEP process. Designed to assist students in building their collaborative skills, including effective communication and professionalism. Satisfies the S ACE.

EDU 253. Instruction and Assessment. Understanding diagnosis, identification, data collection and measurement, Response to Intervention, goal development, and curriculum-based measurement. Differentiating and/or individualizing instruction for all learners and developing classroom management skills are emphasized. Field experience required.

EDU 254. Special Education Law & Policy. Basic educational rights of students with disabilities alongside teacher and school legal responsibilities with a focus on the five main principles that form the basics of special education law: Free appropriate public education, least restrictive environment, parent and student participation, Individualized Education Program (IEP), and due process protections.

EDU 255. Classroom Management & PBIS. Classroom management, Positive Behavioral Interventions Support (PBIS), Functional Behavior Assessment (FBA) process and Behavioral Intervention Plan (BIP) development, redirections, and proactive supports are discussed. Students will learn how to manage and prevent school-based behaviors, teach problem-solving skills, and to collect and interpret data around student behavior. Field experience required.

EDU 256. Learning Environments & Transition. Learn how to plan, manage, and modify learning environments and how to assist students in successful life transition, goal setting, and community resources.

EDU 260. Special Topics.

EDU 302. Elementary Methods: Social Studies. This course addresses the theory and practice of teaching social studies at the early childhood and middle childhood level. Problem-solving, hands-on, holistic, and multiple intelligence instructional approaches are emphasized. Content specific and interdisciplinary lesson plans and student assessments are developed in accordance with student and teacher standards. Mentoring relationships are established in community classrooms and in the Education program. Field experience required. Prerequisite: Admission to the EPP. .50 unit.

EDU 304. Elementary Methods: Math. This course addresses the theory and practice of teaching mathematics at the early childhood and middle childhood level. Problem-solving, hands-on, holistic, and multiple intelligence instructional approaches are emphasized. Content specific and interdisciplinary lesson plans and student assessments are developed in accordance with student and teacher standards. Mentoring relationships are established in community classrooms and in the Education program. Field experience required. Prerequisite: admission to the EPP. 1 unit. Satisfies the S ACE.

EDU 305. Elementary Methods: Language Arts. This course addresses the theory and practice of teaching language arts at the early childhood and middle childhood level. Problem-solving, hands-on, holistic, and multiple intelligence instructional approaches are emphasized. Content specific and interdisciplinary lesson plans and student assessments are developed in accordance with student and teacher standards. Mentoring relationships are established in community classrooms and in the Education program. Field experience required. Prerequisite: admission to the EPP. Satisfies the S ACE

EDU 307. Directed Study. .50 unit.

EDU 308. Elementary Methods: Science and Engineering. This course addresses the theory and practice of science and engineering design at the elementary school level. Inquiry-based instructional approaches are emphasized. Content specific and interdisciplinary lesson plans, including a Project Based Learning unit. Student assessments are developed in accordance with student and teacher standards. Mentoring relationships are established in community classrooms and in the Education program. Field experience required. Admission to EPP. .50 unit.

EDU 310. Elementary Urban Experience. This course explores various elements of urban education, specifically around teaching diverse populations in a K-6 elementary environment. Students will travel to urban placements to interact and teach students with diverse backgrounds. Group differences such as race, ethnicity, ability, gender identity, gender expression, sexual orientation, nationality, language, religion, political affiliation, and socio-economic background will be explored. Admission to the EPP required.

EDU 312. Secondary Urban Experience. This course explores various elements of urban education, specifically around teaching diverse populations in a 5-12 secondary environment. Students will travel to urban placements to interact and teach students with diverse backgrounds. Group differences such as race, ethnicity, ability, gender identity, gender expression, sexual orientation, nationality, language, religion, political affiliation, and socio-economic background will be explored. Admission to the EPP required.

EDU 314. Secondary Methods: Teaching Middle School. Addresses the purposeful design, planning, and delivery of instruction for grades 5-8 that clearly defines 1) the cognitive and physiological development of adolescents, 2) what is effective and engaging instruction, including necessary instructional interventions for a range of student abilities, interests, or cultural differences. Field experience required. Prerequisite: Admission to the EPP. Satisfies the W2 ACE.

EDU 315. Secondary Methods: Teaching High School. Addresses purposeful design and planning of instruction that focuses on teaching senior high school students in grades 9-12. Lesson design, curriculum theory, instructional practices, diverse learners, and management techniques relevant to a high school focus are all explored. Field experience required. Prerequisite: Admission to the EPP. Satisfies the S ACE.

EDU 332. Secondary Methods: Art. Addresses purposeful design and delivery of art instruction, assessment of student learning based on the arts processes and content standards; and relevant technological and print literacy. Field experience required. Prerequisite: EDU 315. Satisfies the S ACE.

EDU 333. Secondary Methods: Language Arts. In depth study of Language Arts standards; teaching strategies relevant to reading, writing, speaking, and listening; appropriate and varied assessment strategies, lesson and unit planning, and practice teaching in a local classroom settings. The use of multi-cultural content will be emphasized. Field experience required. Prerequisite: 315. Satisfies the S ACE.

EDU 334. Secondary Methods: World Languages. Addresses purposeful design and delivery of world language instruction, assessment of student learning based on world language processes and content standards; and relevant technological and print literacy. Field experience required. Prerequisite: 315. Satisfies the S ACE.

EDU 335. Secondary Methods: Mathematics. Addresses purposeful design and delivery of mathematics instruction, assessment of student learning based on mathematics processes and

content standards; and relevant technological and print literacy. Field experience required. Prerequisite: 315. Satisfies the S ACE.

EDU 336. Secondary Methods: Physical Education and Health. Addresses purposeful design and delivery of physical education and health instruction, assessment of student learning based on physical education/health processes and content standards; and relevant technological and print literacy. Prerequisite: 315. Satisfies the S ACE.

EDU 337. Secondary Methods: Science. Addresses purposeful design and delivery of science instruction, assessment of student learning based on science processes and content standards, and relevant technological and print literacy. Field experience required. Prerequisite: 315. Satisfies the S ACE.

EDU 338. Secondary Methods: Social Studies. Addresses purposeful design and delivery of social studies instruction which promotes student learning and development of critical-thinking, problem-solving, and performance skills, assessment of student learning based on those social studies processes and content standards; and relevant technological and print literacy. Field experience required. Prerequisite: 315.

EDU 340. Early Literacy/Development. Addresses early literacy instruction with emphasis on phonics; Investigates approaches to studying young children; the physical-motor, psychosocial, cognitive, language, and literacy development; and home, school and community influences on a child's life. Field experience required. Prerequisite: Admission to the EPP required.

EDU 360. Special Topics.

EDU 370. Directed Study.

EDU 455. Student Teaching in the Secondary School. Supervised student teaching experiences and observations in secondary school classrooms approved by the College. Campus seminars with the department. Fourteen weeks of full-time experience. 4 units. Graded on a Pass/Fail basis. Fee charged. Prerequisites: 3.0 Major GPA and permission of instructor.

EDU 456. Student Teaching in the Elementary School. Supervised teaching experiences and observations in an elementary classroom approved by the College. Campus seminars with the department. Fourteen weeks of full-time experience. 4 units. Graded on a Pass/Fail basis. Fee charged. Prerequisites: 3.0 Major GPA and permission of instructor.

EDU 457. Internship in Education. Internship to be completed in a specialized area of teaching or at a grade level different from that of student teaching.

EDU 458. Integrated Student Teaching. Supervised student teaching experiences in the elementary or secondary College-approved setting focused on integrating mild interventions requirements along with the primary preparation focus. Campus seminars with the department. Fourteen weeks of full-time experience. 4 units. Graded on a Pass/Fail basis. Fee charged. Prerequisites: 3.0 Major GPA and permission of instructor.

EDU 459. Student Teaching in a P-12 Environment. Supervised student teaching experiences in the elementary or secondary College-approved setting focused on content requirements (Physical Education & Health, Visual Arts, World Languages, and Theatre Arts) along a span of grades P-12. Campus seminars with the department. Fourteen weeks of full-time experience. 4 units. Graded on a Pass/Fail basis. Fee charged. Prerequisites: 3.0 Major GPA and permission of instructor.

EDU 461: Senior Seminar. A comprehensive analysis of advanced reading methods and diagnostic strategies for assessing reading. Senior culminating experience. Prerequisite: senior major status.

EDU 471. Senior Thesis.

EDU 499. Comprehensive Evaluation

Engineering

Brooks, Kremer-Herman, Pantelidis, Phillips, Robison, Taylor

Engineering is the application of mathematics, logic, empirical evidence and scientific, socioeconomic, and practical knowledge in order to invent, design, build, maintain, research, and improve structures, machines, systems, and processes. It encompasses a wide range of more specialized fields, each with a more specific emphasis on particular areas of applied science and technology.

The mission of the Hanover Engineering Program is to offer an excellent grounding in the ideas, skills, and experience of engineering within a liberal arts environment, so that students can succeed in their careers and make a positive impact in the world around them.

The Department of Engineering offers a Bachelor of Science Degree in Engineering and a Bachelor of Arts Degree in Engineering Science. Minors are not offered.

The Engineering curriculum is designed for those who wish to pursue career paths in engineering or applied science through research, teaching, industry, or entrepreneurial engineering. It prepares students for advanced studies as well as professional employment.

The Engineering Science curriculum attracts students who wish to benefit from multidisciplinary studies, tailored around a compact engineering core, so that they effectively pursue careers in engineering management, consulting, public service, business, or entrepreneurship. It is important that students who consider majoring in Engineering or Engineering Science create a four-year schedule as early as possible during their studies, in consultation with their Academic Advisor and the Director of the Engineering Program.

Engineering Core for both B.A. and B.S.

Core Engineering Requirements

Science – CHE 161; CS 220; MAT 121; MAT 122; PHY 162; PHY 186; PHY 245

Engineering – 190; 250; 408-409 or 471 (culminating experience).

Total of 10 units.

Strongly recommended: Eco 113, 114, or 161.

Note: Late-entry engineering or engineering science students can petition to SAAC to substitute PHY 161 and PHY 185 for PHY 162 and PHY 186 respectively.

Major: Bachelor of Arts - Engineering Science (ENGS): completion of Engineering Core (10 units); one course from PHY 320, PHY 331, PHY 332; and five additional engineering units

Total of 16 units plus comprehensive evaluation, with passing grade.

Major: Bachelor of Science – Engineering: completion of the Engineering Core (10 units); ENGR 311; fifteen additional units from engineering courses. Up to six units from the following courses can substitute for ENGR electives: CS 223, CS 225, CS 231, CS 340, CS 345, CS 348, MAT 221, MAT 243, PHY 225, PHY 320, PHY 331, PHY 332, PHY 340, PHY 341, PHY 432.

Total of 26 units plus comprehensive evaluation, with passing grade.

ENGR 101. Exploring Engineering. For students intrigued by engineering and technology or who are considering a career in this broad field. Professors and industry experts team up to guide students through the engineering experience. Students work in groups to construct a prototype solution to an engineering problem, gain an understanding of the fundamentals of engineering thinking and design process, and learn how to communicate outcomes. Includes tours to manufacturing facilities and discussion of issues of ethical and professional responsibility. Knowledge of algebra and trigonometry is essential. .5 unit.

ENGR 190. Introduction to Engineering and Design. Core engineering themes and principles; engineering computing and visualization; designing and constructing solutions based on analytical and computational models using MATLAB and computer-aided design (CAD) software, experimental performance tests, refining models and designs. Laboratories follow a project-based design-build experience. Lecture and laboratory. Prerequisite: MAT 113 or MAT 121 or placement at the Ready for Calculus level. Not open to students with prior credit in ENGR 290. Fee charged.

ENGR 207. Materials Science I. Introduction to the structure, properties, processing, and performance of engineering materials: atomic structure and bonding, microstructure of solids, imperfections, stress and strain, elastic and plastic deformation, yield and tensile strength, dislocations and strengthening mechanisms, fast fracture and fracture probability of brittle materials. Prerequisites: CHE 161, MAT 122, PHY 186. .5 unit.

ENGR 208. Materials Science II. A continuation of the ENGR 207 subject matter: phase diagrams, fatigue, creep, diffusion, electrical, magnetic, thermal, and optical properties, corrosion and oxidation, and applications of engineering materials. Prerequisites: 207 or PHY 225. .5 unit.

ENGR 250. Electrical Circuit Analysis. Resistive elements and networks, solutions in the time domain and the frequency domain, independent and dependent sources. Prerequisites: MAT 122, PHY 186. Recommended: CS 220.

ENGR 302. Mechanical Engineering Tools. Introduction to the fundamentals of machine tool and computer tool use and fabrication techniques. Students work with a variety of tools including the band-saw, gas metal arc welder, milling machine, and lathe. Instruction is given on MATLAB and CAD and assignments are project-oriented. Prerequisite: 190. .5 unit.

ENGR 305. Electronic Circuits and Design. Switches and MOS and MOSFET transistors, digital abstraction, filters, amplifiers, energy storage elements, analog and digital circuits and applications. Prerequisites: 250, CS 220. .5 unit.

ENGR 311. Linear Systems and Signals. Engineering phenomena that may be represented by linear, lumped parameter models are studied. Linear systems in the mechanical, thermal, fluid, and electromechanical domains. Laplace Transforms, Fourier analysis, and Eigenvalue methods. Both transfer function and state-space representations of systems are studied. Continuous-time and discrete-time forms of signals and systems. Lecture and laboratory. Prerequisites: 190, 250, PHY 245. Fee charged.

ENGR 316. Digital Systems. Boolean algebra, digital number systems and computer arithmetic, combinational logic design and simplification, sequential logic design, timing analysis, and optimization, register-transfer design of digital systems, clocks and synchronization, finite state machines, FPGAs. Computer-aided digital design software and hardware implementation laboratories. Lecture and laboratory. Prerequisites: 250, CS 220. Fee Charged.

ENGR 317. Semiconductor Electronics. A continuation of ENGR 305 subject matter. Electrical conduction, semiconductor materials and devices, diodes, transistors, FETs, LEDs, solid-state circuits, frequency responses and stability, feedback circuits, noise; self-sustained oscillators, phase-locked loops. Photonics and optoelectronics including amplifiers, lasers, photodetectors, image sensors, solar cells, polarization and modulation of light. Lecture and laboratory. Prerequisites: 207(or PHY 225), 250, 305, PHY 245. Fee charged

ENGR 321. Instrumentation and Statistics. Instrumentation, measurement, computer-aided experimentation, methods of statistical and error analysis, random processes, quality control. Lecture and laboratory. Prerequisite: 250, CS 220. Fee Charged.

ENGR 324. ASIC Design. An introduction to the design, analysis, and modeling of application specific integrated circuits (ASIC), with an emphasis on hands-on chip design using CAD tools. Lecture and laboratory. Prerequisites: 305, 316. Fee Charged.

ENGR 325. Embedded Microcomputer Systems. Analysis and design of embedded systems. Microcontrollers, real-time control, construction of complete systems. Software and development tools, programmable system on chip, peripheral components such as A/D converters, communication schemes, signal processing techniques, closed-loop digital feedback control, interface and power electronics, and modeling of electromechanical systems. Lecture and laboratory. Prerequisites: 305, 316. Strongly recommended: 311. Fee Charged.

ENGR 326. Computer Systems Architecture. Physical and logical design of a computer. Microprocessors, CPU design, RISC and CISC, pipelining, superscalar processing, caching, virtual memory, assembly and machine language, multiprocessors. Lecture and laboratory. Prerequisites: 305, 316, CS 231. Fee Charged.

ENGR 328. Mobile Robotics. Design, construction, and testing of field robotic systems that act intelligently in dynamic, unpredictable environments. Team projects focus on electronics, instrumentation, machine elements, and programming. Lectures on ethics in engineering practice included. Lecture and laboratory. Prerequisites: 311, PHY 331. Recommended: 316, 330 (or CS 223), 347. Fee Charged.

ENGR 330. Numerical Simulation. Introduction to computational techniques for the simulation of a variety of engineering and physical systems. Numerical methods including interpolation, least squares, and statistical regression, integration, solution of linear and nonlinear equations, differential equations, finite element methods. Deterministic and probabilistic approaches. Assignments require programming in Python or MATLAB. Prerequisites: CS 220, PHY 186, PHY 245.

ENGR 324. ASIC Design. An introduction to the design, analysis, and modeling of application-specific integrated circuits (ASIC), with an emphasis on hands-on chip design using CAD tools. Lecture and laboratory. Prerequisites: 305, 316. Fee Charged.

ENGR 336. Fluid Dynamics. Fundamentals of continuum mechanics, constitutive relations for fluids, Newtonian and inviscid fluids, viscous laminar flow and turbulence, incompressible and compressible flows, supersonic flow, boundary layer theory. Fluid systems modeling and engineering applications. Lecture and laboratory. Prerequisites: PHY 245, PHY 320. Fee Charged.

ENGR 339. Thermodynamics. This course of classical thermodynamics is oriented toward mechanical engineering applications covering properties and states of a substance, processes, cycles, work, heat and energy. Steady-state and transient analyses utilize the First and Second Laws of Thermodynamics for closed systems and control volumes, as well as combustion and chemical equilibrium. Prerequisites: CHE 161, PHY 162, PHY 320, MAT 122.

ENGR 342. Signal Processing. Sampling theory, signal representation, quantization noise, transformation and manipulation of digital signals, digital filter structure and design, fast Fourier transform, parametric signal modeling, stochastic processes, spectra, Wiener filtering, detection, matched filters, applications (audio, radar, image, or autonomous vehicle). Prerequisites: 311, 321.

ENG 343. Screenwriting. Writing for narrative film. Emphasis on structure, character development, meaning, and professional format. Identical to THR 343.

ENGR 347. Control Theory and Design. Root locus, frequency response, state space techniques, actuators and sensors, digital control techniques, analysis of A/D and D/A converters, digital controllers, numerical control algorithms, feedback control, stability, programmable-logic based control systems, application in modern manufacturing systems. Lecture and laboratory. Prerequisite: 311. Fee Charged.

ENGR 350. Engineering Design and Manufacturing. Creative design process by application of physical laws. Project completion on schedule and within budget. Robustness and manufacturability. Mechanism design and fabrication, machine elements, manufacturing process. Process physics, automation/control, quality, industrial management, systems design and operation. Includes design-and-build project. Lecture and laboratory. Prerequisites: 207, 302, 311. Strongly recommended: 330, 334. Fee Charged.

ENGR 352. Engineering Electromagnetics. Electromagnetic waves, radiation and diffraction, coupling to media and structures, waveguides, resonance, circuits, wireless and optical communications, computer interconnects and peripherals, microwave communications and radar, antennas, sensors, micro-electromechanical systems, acoustics, power generation and transmission. Prerequisites: 250, PHY 245, PHY 332.

ENGR 357. Internship in Engineering. Off-campus supervised experience in engineering.

ENGR 360. Special Topics.

ENGR 370. Directed Study.

ENGR 408, 409. Senior Thesis. A two-semester equivalent of 471. .5 unit each.

ENGR 414. Mechanics of Materials II. Mechanical behavior of engineering materials and structures and the use of materials in mechanical design. Analysis, design and computational techniques for curved beams, spinning disks, thick-walled cylinders, asymmetric beams, torsion, and buckling. Elasticity, plasticity, limit analysis, fatigue, fracture and creep. Energy and finite element methods. Materials selection. Lecture and laboratory. Prerequisite: 207, 334. Fee Charged.

ENGR 418. Communication Systems. Fast Fourier transform algorithms, discrete time transfer functions, filter design techniques, architecture and programming of digital signal processors, communication electronics, theory and design principles of analog and digital communication systems, optical and wireless communications. Lecture and laboratory. Prerequisites: 305, 311, 316, 352. Fee Charged.

ENGR 420. Power Generation and Storage. A comprehensive introduction into the technology of electricity generation and power system operations. Topics include traditional and advanced generation based on a variety of primary energy sources including coal, natural gas, and nuclear, as well as renewable sources such as hydro, wind, solar and geothermal; the environmental impacts of each option; and the basic operations of power system markets in the United States. Power storage technologies, essential to the widespread use of renewable energy sources, will also be reviewed. Prerequisite: 339.

ENGR 422. Heat Transfer. The principles of heat transfer by conduction, convection, and radiation with examples from the engineering of practical devices and systems. Topics include transient and steady conduction, conduction by extended surfaces, boundary layer theory for forced and natural convection, boiling, heat exchangers, black- and gray-body radiative exchange and the impact of greenhouse gases on global climate. Lecture and laboratory. Prerequisites: 311, 336, 339. Fee Charged.

ENGR 471. Senior Thesis. Design Project.

ENGR 499. Comprehensive Evaluation.

English

Appelt, D. Battles, P. Battles, Eden, Goertz, Jobe, Lemerond, Prince, Stokes

Major: English courses – Ten including: 240; not less than three or more than four of the following: 243, 244, 245, 246 and 247; one from 353, 354, and 356; and either 461 or 471. No more than one 100-level course may count toward the major.

Comprehensive evaluation, with passing grade. Total of 10 major courses.

Minor: English courses – Five courses. No more than one 100-level course may count toward the minor. No more than two courses may be from 243, 244, 245, 246 and 247. Total of 5 minor courses.

ENG 113. Introduction to Poetry. This course offers an introduction to the features of lyric poetry that distinguish it from other types of literature--concentrated imagery and figures of speech, sound effects such as rhythm and rhyme, and use of special forms--through the analysis of great poems from a variety of time periods and cultures. Partially satisfies the LA CCR.

ENG 160. Special Topics.

ENG 161. Poetry: The Spoken Word. Explores poetry as a spoken as well as a written art form. Includes an introduction to the history of poetry from Homer to the BreakBeats, with an emphasis on the study of oratory and poetic delivery and analysis of poetic devices, techniques, and forms. Students will write and present their own work as well as the work of major poets throughout the ages. Partially satisfies the LA CCR. Satisfies the S ACE.

ENG 171. American Avant-Garde. The American Avant-Garde will study literature from three break-through alterations in belief systems, values, world-view, style, and subject matter as American writers begin to throw off European influences and establish their own unique cultural voice: Transcendentalists and Romantics of the 19th-century, Modernists, and Harlem Renaissance writers from the early 20th. Partially satisfies the LA CCR. Satisfies the W1 ACE.

ENG 172. The Quest Archetype in Literature. An examination of the Quest archetype in literature. The course will use C. G. Jung's theories of the collective unconscious and of archetypes, as well as Joseph Campbell's Quest paradigm, to study works in various genres from classical antiquity to contemporary culture. Partially satisfies the LA CCR. Satisfies the W1 ACE.

ENG 173. Fiction and Its Genres. A study of narrative fiction with special emphasis on the various genres of the modern short-story and novel, such as adventure stories, fantasy, comedy, detective fiction, horror, science fiction, and literary fiction. The course will also examine different theories of genre, including those proposed by folklorists, psychologists, historians, and literary theorists, in order to understand how genres function and evolve. Partially satisfies the LA CCR. Satisfies the W1 ACE.

ENG 174. Welcome to Bollywood. The study of classic texts of literature and film from India. This course will use both Indian epics and films as a lens through which to develop an understanding of the variety and richness of Hindu and Muslim culture in India. Partially satisfies the LA CCR. Satisfies the W1 ACE. Satisfies the CP ACE.

ENG 175. Journeys to the Underworld. A comparative study of works of literature and/or film whose central action involves a journey to either a literal or a metaphorical underworld. Partially satisfies the LA CCR. Satisfies the W1 ACE.

ENG 176. Medieval and Renaissance Eurasia. An examination of great works of literature and art of the Middle East, China, Europe, and Japan from 300 CE to 1600 CE. The course will trace and compare the fundamental themes of human culture as they are developed in works from these periods, which include the rise of Christianity and Islam and the continuing growth and influence of Confucianism, Daoism, and Buddhism. Partially satisfies the LA CCR. Satisfies the W1 ACE. Satisfies the CP ACE.

ENG 177. Mythography of the Monstrous. An examination of some of the most famous monsters of literature from Classical Antiquity to the present-day. The course explores how monsters express the values, anxieties, and hopes of their age. Partially satisfies the LA CCR. Satisfies the W1 ACE.

ENG 178. Beauty and the Beast in Literature. This course explores the enduring theme of Beauty and the Beast in literature across cultures, from antiquity to the present day. We approach this theme both as a timeless expression of the female "quest," and as a timely definition of beauty through its opposite: the monstrous. Partially satisfies the LA CCR. Satisfies the W1 ACE.

ENG 179. Water. An examination of works of literature, art, and film from ancient to modern times that depict or incorporate images of water. From cave paintings to Monet's Water Lilies, from Homer's Odyssey to SpongeBob, depictions of water have conveyed ideas about time, motion, the origins and nature of the cosmos, and the relationship of human beings to the natural world.Partially satisfies the LA CCR. Satisfies the W1 ACE.

ENG 181. Shakespeare and Film: Even though Shakespeare created his plays four hundred years ago, they have inspired film directors of the 20th and 21st centuries more often than any other literary works. This course will examine different film versions of several of Shakespeare's plays along with their texts to explore how contemporary viewers find meaning in and transform these enduring works. Satisfies the W1 ACE. Partially satisfies the LA CCR.

ENG 182. Satire and the American Personality. A study of works of literature and other media whose central action critiques social norms of behavior. Satisfies the W1 ACE. Partially satisfies the LA CCR.

ENG 217. Fairy Tale Fictions. A study of fairy tales, their patterns, motifs, and ideological assumptions as well as critical approaches to tale analysis. Includes elements of storytelling and creative writing. Partially satisfies the LA CCR. Satisfies the S ACE.

ENG 218. Viking Myths and Legends. A study of the earliest literature of the Northern Germanic peoples, including the mythology of the Poetic Edda, the legendary sagas of the migration age, and the Icelandic family sagas. Partially satisfies the LA CCR. Satisfies the W2 ACE.

ENG 219. Love and Death: Star-Crossed Lovers. This course explores the legendary theme of the Liebestod, or Death in Love from antiquity to the present day. These tragic love stories, including Tristan and Isolde and Romeo and Juliette, involve lovers who encounter insurmountable social obstacles that lead to their untimely deaths, making them some of the most enduring love stories of all time. Offered Spring Term only. Partially satisfies the LA CCR.

ENG 224. Grammar of the English Language. A study of English grammar, focusing especially on the building blocks of the sentence: words, phrases, and clauses. Other topics will include different approaches to grammar (pedagogical, prescriptive, and descriptive); basic properties of language (morphology, syntax, and semantics); and practical applications, including punctuation, usage, and style. Not open to students with prior credit in ENG 220.

ENG 240. Literary Analysis. An introduction to basic techniques of literary analysis, with emphasis on close reading and group discussion. Texts will typically focus upon a particular theme or genre. This writing-intensive course is designed for students with strong interests in literature, and as a foundation course for majors and minors.

ENG 243. Survey I: Early Literature. Survey of selected masterpieces of the world's early literary traditions. Partially satisfies the LA CCR. Satisfies the S ACE.

ENG 244. Survey II: Medieval English Literature. Survey of major works from the beginning of English literature to about 1500. Partially satisfies the LA CCR. Satisfies the W2 ACE.

ENG 245. Survey III: Renaissance and Restoration Literature, 1500-1700. Survey of major works. Partially satisfies the LA CCR. Satisfies the W2 ACE.

ENG 246. Survey IV: English Literature 1700-1900. Survey of major works. Partially satisfies the LA CCR. Satisfies the W2 ACE.

ENG 247. Survey V: American Literature. Introduction to American literature, from its beginnings to 1900. Partially satisfies the LA CCR. Satisfies the W2 ACE.

ENG 251. American Journalism. An introductory course that explores the theoretical and practical sides of contemporary newspaper, magazine, and Internet journalism. Topics may include history and evolution of U.S. print media, their ethics, and their role in American society today. Intensive work on reporting and writing. In-class discussion of student work. Partially satisfies the LA CCR. Satisfies the W1 ACE. Identical to COM 251.

ENG 252. Creative Writing for the Digital Age. An introduction to contemporary creative writing, including fiction, poetry, and creative non-fiction both individually and as they apply to other audio and visual mediums such as comic books and podcasts. Student work is presented and critically reviewed in seminar sessions. Not open to students with prior credit in ENG 352.

ENG 260. Special Topics.

ENG 265. 20th Century Irish Literature and History. An off-campus course in Ireland focusing on the relationship between 20th Century Irish History and Literature, with particular attention to literary and historical views of the War for Independence, the Civil War, and the Troubles. Partially satisfies the LA CCR.

ENG 307. Directed Study. .50 unit.

ENG 321. 20th-Century Poetry. Significant works of poetry in England and the United States since 1900. Practice in the close reading of poetry. Partially satisfies the LA CCR.

ENG 322. 20th-Century Fiction. Significant works of fiction in England and the United States since 1900. Partially satisfies the LA CCR.

ENG 324. The Short Story. A study of the development of the short story as a literary art form. Partially satisfies the LA CCR.

ENG 325. African-American Literature. A study of the literature of African- American women and men from the 18th century to the present. Offered alternate years. Partially satisfies the LA CCR. Satisfies the W2 ACE.

ENG 326. Women in Fiction. A study of portrayals of the female personality in selected writings of the 18th, 19th and 20th centuries. Partially satisfies the LA CCR. Satisfies the S ACE.

ENG 327. Arthurian Literature. A study of Arthurian legend in selected works of literature and art from the Middle Ages to the present. Partially satisfies the LA CCR. Satisfies the W2 ACE.

ENG 331. The English Novel in the 19th Century. Intensive study of representative English novels from 1818-1903. Offered alternate years. Partially satisfies the LA CCR. Satisfies the W2 ACE.

ENG 332. Literary Genderquests. An examination of works of LGBTQ+ literature through the lens of queer, trans, postcolonial, and intersectional theories.

ENG 334. Shakespeare. Selected plays of Shakespeare, examined both as literature and as theatre. Offered on campus alternate years. Partially satisfies the LA CCR.

ENG 336. Modern and Contemporary Drama. Significant dramatic works from Ibsen to the present. Offered alternate years. Partially satisfies the LA CCR.

ENG 338. The American Renaissance. A study of U.S. literature, 1830-1865. Offered alternate years. Partially satisfies the LA CCR.

ENG 339. U.S. Literature, 1865-1917. Offered alternate years.

ENG 340. Law and Literature. Intensive study of actual legal cases and literature framed around concepts of the law and legal issues. Partially satisfies the LA CCR. Satisfies the W2 ACE.

ENG 343. Screenwriting. Writing for narrative film. Emphasis on structure, character development, meaning, and professional format. Identical to THR 343.

ENG 347. Chaucer. The major works of the great 14th-century English poet Geoffrey Chaucer, read in Middle English. Partially satisfies the LA CCR. Satisfies the W2 ACE.

ENG 348. Shakespeare in England. Selected plays of Shakespeare in performance, together with the cultural settings from which they emerged. Identical to THR 348. Offered in Stratford-upon-Avon in Spring Term odd-numbered years. Permission of the instructor is required. May be repeated for credit. Partially satisfies the LA CCR.

ENG 350. Florence in the Age of Dante and Petrarch. Studies in the history and literature of Florence in the 13th and 14th centuries. Taught in Florence in Spring Term in even-numbered years. Permission of the instructor is required. Partially satisfies the LA CCR.

ENG 353. Studies in Poetry. A seminar, primarily for junior English majors, on a relatively specific topic within the genre. Prerequisites: junior major status or permission. May be repeated for additional credit, including additional credit toward the major or minor in English, with permission of the instructor. Satisfies the W2 ACE.

ENG 354. Studies in Fiction. A seminar, primarily for junior English majors, on a relatively specific topic within the genre. Prerequisites: junior major status or permission. May be repeated for additional credit, including additional credit toward the major or minor in English, with permission of the instructor. Satisfies the W2 ACE.

ENG 355. Advanced Creative Writing Workshop. An advanced creative writing course with an intensive focus on the craft and style of prose and lyrical forms. Student work is presented and critiqued in seminar sessions. May be repeated for additional credit, with permission of the instructor. Prerequisite: ENG 252 or ENG 352.

ENG 356. Studies in Drama. A seminar, primarily for junior English majors, on a relatively specific topic within the genre. Prerequisites: junior major status or permission. May be repeated for additional credit, including additional credit toward the major or minor in English, with permission of the instructor. Satisfies the W2 ACE.

ENG 357. Internship. Off-campus supervised experience in English.

ENG 360. Special Topics.

ENG 370. Directed Study.

ENG 457. Internship. Practical use of writing skills in a variety of areas. Specific experiences to be determined by student and faculty consideration of available positions and student's interest and competencies. Prerequisites: Senior major status and consent of advisor.

ENG 461. Senior Seminar. Analysis and discussion of basic principles of literary study.

ENG 471. Senior Thesis. Scholarly or creative project on topic to be identified by student in consultation with advisor. Proposals for Fall or Winter Term Senior Thesis, including preference for director, must be submitted to Chair for departmental approval before Winter Term registration of junior year (due dates announced annually). Prerequisite: senior major status.

ENG 499. Comprehensive Evaluation.

Environmental Science

Bevis, Gall, Mynhardt, Pantelidis, Philipp, Pretorius, Rubino, Van Iten

Environmental Science is the study of the interactions among the physical, chemical, and biological components of the environment. The Environmental Science Program at Hanover College provides a firm foundation in the natural sciences, exploration of career pathways in environmental science, and active participation in environmental science.

Interested students are advised to begin their program in the Winter Term of their first year or sophomore year by taking a ¼ credit Environmental Science Seminar (ENV 201). This seminar will introduce students to the field of Environmental Science and opportunities at Hanover College. A one credit foundation course, ENV 265 (Global Environmental Change) is also required. The Environmental Science Program asks that students acquire a strong foundation in a natural science discipline; therefore Environmental Science students must choose a focal science: Biology, Geology, Geochemistry, or Geophysics and, in consultation with their Environmental Science advisor, plan a curriculum that supports their interest in Environmental Science through their major courses, CCR/ACE choices choices, and electives. They will take 401 in Winter Term of their senior year and present the results of an environmental research or an internship experience (ENV 408-409, 457, or 471).

Due to the significant overlap of courses, students cannot double major in Biology, Biochemistry, Geology, Chemistry or Physics and a correlated Environmental Science track (e.g., a student cannot double major in Chemistry and the Env Geochemistry track or in Geology and the Env Geochemistry track). A student can double major in Biology, Biochemistry, Geology, Chemistry, or Physics and an Environmental Science track that does not have significant overlap (e.g., a student could double major in Chemistry and the Env Environmental Biology track). Students cannot major in more than one track in the Environmental Science major.

Major: ENV 201 (must be taken in the freshman or sophomore year); ENV 265; ENV 401 (must be taken in the senior year); and either ENV 408-409*, ENV 457 or ENV 471 (culminating experience), are core courses required of all Environmental Science majors. [* The ENV 408-409 option is only available to majors in the Environmental Geochemistry or Environmental Geophysics tracks.] In addition, students must elect one of four tracks: Environmental Biology, Environmental Geology, Geochemistry, or Geophysics. Courses have been chosen for each track because of their relevance to the field of Environmental Science. Cognates for each track require the student to take coursework in at least two other natural science disciplines.

Minor: ENV 201(must first be taken in the freshman or sophomore year), ENV 265, ENV 401, Environmental Science Seminar (must be taken in the senior year). In consultation with an environmental Science Minor faculty member, take at least four other courses in the natural sciences; no more than two 16X courses from the natural science disciplines may be counted toward the minor. Students interested in the Environmental Science Minor who are majoring in a natural science discipline must focus coursework for the minor in natural science disciplines other than the major discipline. Total of 5.5 courses.

Environmental Biology Track: BIO 161, 185, 221, 231, and four others from the following list, two of which must be at the 300 level: BIO 225, 227, 234, 235, 313, 314, 315, 316, 317, 332, 333, 335. No more than 1 credit of any combination of BIO 308, 309, and 380 can count toward graduation.

Cognate courses: Chemistry 161 or equivalent and one of GEO 16X or GEO 221.

Comprehensive evaluation (499) with a grade of C- or better. Total of 8 Biology courses, 2.5 Environmental Science courses, plus 2 cognates = 12.5.

Environmental Geology Track: One of a Geo16x course; six others from the following list, at least two of which must be at the 300 or 400 level: GEO 221, 224, 237, 239, 261, 262, 323, 327, 328, and 334. Students must complete at least one field course (GEO 162, GEO 237, or GEO 239), a field-based Special Topics (GEO 360) course, Directed Study (370), or Senior Thesis (471) approved by the department.

Cognate courses: CHE 161; either BIO 161, 165, or any college-level, laboratory-based Biology course.

Comprehensive evaluation (499) with a grade of C- or better. Total of 7 Geology courses, 2.5 Environmental Science courses, plus 2 cognates = 11.5.

Geochemistry Track: CHE 161, 185, 221, 222, 325, and one additional course from either CHE 311, 324, 341, or 351; a Geo16X course, 224 and two additional courses from the following list, at least one of which must be 300 level: GEO 233, 237, 322, 327, 328, or 334. Students must complete at least one field course (GEO 162, GEO 233, or GEO 237), a field-based Special Topics (GEO 360) course, Directed Study (370), or Senior Thesis (471) approved by the department.

Comprehensive evaluation (499) with a grade of C- or better. Total of 6.0 Chemistry courses, 4 Geology courses, and 2.5 Environmental Science courses = 12.5.

Geophysics Track: PHY 161 or 162; PHY 185 or 186; PHY 320; PHY 331; one of Ast166, PHY 332, PHY 341; a Geo16X course; GEO 323; and two additional courses from the following list, at least one of which must be 300 level GEO 233, 237, 261, 328, or 334. Students must complete at least one field course (GEO 162, GEO 233, or GEO 237), a field-based Special Topics (GEO 360) course, Directed Study (370), or Senior Thesis (471) approved by the department.

Cognate courses: MAT 121

Comprehensive evaluation (499) with a grade of C- or better. Total of 5 Physics courses, 4 Geology courses, and 2.5 Environmental Science courses, plus 1 cognate = 12.5.

Recommended: Environmental Science faculty recommend that students take either MAT 217 or MAT 121 to partially satisfy the SM CCR.

Environmental Science faculty encourage students to explore additional perspectives on the environment from the social sciences and the humanities. We recommend that Env majors take one or more of the following courses as their scheduling permits. It should be noted that some of these courses have prerequisites:

ANTH 222, 232, 329; Cs 110; HIS 268; MAT 217; PHI 164, 320, 337; PLS 225, 321; SOC 229; and THS 164.

ENV 201. Environmental Science Seminar. An interdisciplinary seminar that will introduce students to the environmental sciences. Must first be taken by students in the freshman or sophomore year. May also be taken by students not enrolled in the Environmental Science Minor or Major. Pass/Fail only. 0.25 unit. Offered Winter Term only.

ENV 260. Special Topics.

ENV 265. Global Environmental Change. Introduction to the influence of human civilization on Earth's environmental systems: describes the natural components of these systems and their interactions, places humans within these systems, details the effects of human activity, and suggests alternative human practices that lessen the severity of their impacts. Laboratories emphasize practical, project-based experience. Satisfies the SL CCR. Partially satisfies the SM CCR. Satisfies the S ACE. Fee Charged.

ENV 307. Directed Study. 5 unit.

ENV 360. Special Topics.

ENV 370. Directed Study.

ENV 401. Environmental Science Seminar. An interdisciplinary seminar that will serve as the culminating experience for seniors as they complete the Environmental Science Minor or Major. Students will make a presentation of their work related to the Environmental Science Minor. Must be taken in the senior year. Pass/Fail only. 0.25 unit. Offered Winter Term only.

ENV 457. Internship. Off-campus supervised experience in environmental science; must involve active participation in environmental research or related activities. Permission of advisor.

ENV 471. Senior Thesis. Individual investigation of a topic of special relevance to student's interest in environmental science; may take the form of a laboratory or field research investigation, library research, or internship resulting in written and oral reports. Prerequisite: Senior standing and consent of the directing professor.

ENV 499. Comprehensive Evaluation.

Courses in the Environmental Biology, Environmental Geology, Geochemistry, and Geophysics tracks are described under the Biology, Chemistry, Geology, and Physics departmental listings of the catalog.

Environmental Studies

Bevis, Dodge, Rubino

The rapidly growing field of Environmental Studies is the interdisciplinary study of the ways in which humankind affects, and is affected by, the local and global environments in which we live. While Environmental Science is, logically, grounded in the Natural Sciences, Environmental Studies approaches issues of environmental stewardship and sustainability through the lenses of public policy, economics, ethics, the humanities, and the arts.

Minor: Six course units: ENV 265 Global Environmental Change; one from Social Sciences Core - ECO 221, PLS 213, or SOC 229; one from Natural Sciences Core - BIO 161, BIO 165, GEO 161, GEO 162, or GEO 163; three electives from at least two different academic divisions from the list below. Elective courses can also include courses from those listed above, but the same course cannot be counted in both the core and elective categories.

ANTH 334. International Development

BIO 214. Tropical Biology

BIO 225. Entomology

BIO 226. Aquatic Biology

BIO 227. Herpetology

BIO 234. Plant Taxonomy

BSP 328. Managing a Not-for-Profit Organization

ECO 337. Economic Development

GEO 221. Introduction to Geographic Information Science

GEO 241. Introduction to Meteorology

GEO 261. Issues in Environmental Geology

ENG 179. Water

PHI 164. Philosophical Perspectives on Nature

PHI 320. Concepts of Nature

PLS 321. Natural Resources Policy

THS 164. Theological Perspectives on Nature

In addition to these courses, students are encouraged to petition SAAC with other courses, including special topics courses, substantially related to environmental studies.

No more than one course may be counted toward both a major and a minor or toward any two minors. No more than two elective courses in the minor can also meet the student's CCRs/ACEs courses.

Film Studies

Bettler, Dine Young, Kirkland, Winters, Zullo

Minor: At least five course units from among the following COM 164 War and Upheaval through Film the US 1950-1975; COM 242 Visual Communication; COM 250 Rhetoric of Film or PSY 250 Psychology of Film; COM 343 Video Production; FRE 222 French Cinema; FRE 312 French Film Studies; GER 222 German Cinema; GER 322 German Film Studies; ML 161 Latin American Cinema; SPA 321 Latin American Society through Film; SPA 322 Reading Spanish Film; THR 115 Film as Art; THR 215 World Cinema, THR 343 Screenwriting; or other film courses by petition.

Com/PSY 250 has prerequisite of COM 212 or COM 242 or PSY 111.

Total of 5 courses.

First-Year Experience

FY 101. First-Year Experience. Introduces students to the scholarly community and the liberal arts and helps them to develop the intellectual skills and practical habits integral to college success. Students will investigate and apply theories of cognition, learning, and personal development, and explore their vocational interests and aptitudes, all with the goal of becoming more self-reflective and proactive about their approach to academics and to life.

Must be taken in the first semester after matriculation. This requirement will be waived for college-level transfer students who successfully completed (C- or above) a minimum of one full-time term of classes after high school graduation. Fee charged. 0.50 unit.

French

Kirkland

The study of French begins with a two-semester sequence depending on the student's previous experience with the language. Students with one or more years of high school foreign language experience and who wish to continue that same language at Hanover MUST take the placement test administered by the Department of Modern Languages and Culture before enrolling in a language course. Students who have had two years or less of high school French can place into 115, 116, 217, 218 or above 218. Students who have had three years or more of high school French must start at 116 or above depending upon placement test results.

Failure to follow the appropriate sequence may jeopardize receipt of credit.

By-pass credit opportunity: Students who place directly into 218, and who earn a grade of B or better for the course will receive credit for 217 upon application to the Registrar. In order to fulfill the World Languages and Cultures (WL) CCR, these students must take an advanced level course after completing 218. Students who place above 218 and who subsequently enroll in an advanced level course and earn a grade of B or better will receive credit for the appropriate prerequisite course upon application to the Registrar. In order to fulfill the WL CCR, these students must take a second advanced level course.

Major: 8 French courses, not including 115, 116, 217 or 222, at least 3 of which must be at or above the 300 level; 457 or 471 (culminating experience).

Comprehensive evaluation with passing grade. Total of 9 major courses.

Minor: 5 French courses, not including 115, 116, 217, or 222. Total of 5 minor courses.

Majors and minors are encouraged to participate in an off-campus study program in a francophone area if at all possible.

FRE 115. Beginning French I. An introduction to basic modes of communication in the target language. Emphasis is on everyday language while developing speaking, listening, reading, and writing as well as introducing cultures of the target language.

FRE 116. Beginning French II. A continuation of French 115. Prerequisite: FRE 115 or placement into 116.

FRE 160. Special Topics.

FRE 161. Francophone Multiculturalism. An examination of historical, political, artistic, literary, religious and social issues resulting from the exchanges between French culture and the non-western cultures (e.g. West African, North African, Caribbean, Asian, Arabic, Muslim, Buddhist) in its midst. Partially satisfies the HS CCR. Satisfies the CP ACE.

FRE 217. Intermediate French. Reinforcement and expansion of grammatical and phonological patterns. Emphasis given to development of speaking, listening, reading, and writing skills as well as to the study of cultures of the target language. Prerequisite: FRE 116 or placement into 217.

FRE 218. Advanced Intermediate French. Advanced study involving expansion and synthesis of knowledge and understanding of the target language and its cultures. Prerequisite: FRE 217 or placement into 218.

FRE 222. French Cinema. Taught in English, a survey course examining French cinema from its 19th century pioneers to the innovative New Wave directors of the 1950s to contemporary filmmakers. Counts for Film Studies minor. Does not count toward French major or minor. Students cannot receive credit for both 222 and 312. Partially satisfies the LA CCR. Satisfies the W1 ACE.

The following courses are limited to students who have taken FRE 218 or who have been placed there through a placement examination administered by Hanover College. Acceptance into one of these courses without 218 requires SPECIAL PERMISSION of the instructor. All readings, discussions, and compositions in these courses are in French.

FRE 227. Off-Campus French Conversation in a Contemporary Context. Conducted in a French-speaking country. Intensive work in oral expression, focusing on practical situations and contemporary issues by means of a variety of texts. Prerequisite: successful completion of 218 and permission of instructor. After taking FRE 227, FRE 228 cannot be taken for credit. FRE 227 may be repeated once for credit.

FRE 228. On-Campus French Conversation in a Contemporary Context. Intensive work in oral expression, focusing on practical situations and contemporary issues, by means of a variety of texts. Prerequisite: successful completion of 218. Offered alternate years. May precede FRE 227, but may not be taken after FRE 227.

FRE 239. French Civilization and Culture Before 1900. Examination of the social, geographic and political structures of early France, as well as general study of the country's history and artistic expression from the Gallo-Roman era through the 19th century.

FRE 240. Contemporary French Business and Culture. Examination of the political, economic, artistic and social structures of 20th and 21st-century France and their contribution to French business structure.

FRE 260. Special Topics.

FRE 307. Directed Study. .50 unit.

FRE 310. Studies in French Literature and Culture. A study of selected topics related to the literature and culture of France.

FRE 311. Studies in Francophone Literatures and Cultures. A study of selected topics related to the literatures and cultures of the Francophone world.

FRE 312. French Film Studies. Taught in English, a survey course examining French cinema from its 19th century pioneers to the innovative New Wave directors of the 1950s to contemporary film makers. Students will write papers in French. Counts for Film Studies minor. Students cannot receive credit for both 222 and 312. Partially satisfies the LA CCR. Satisfies the W1 ACE.

FRE 320. Introduction to French Literature. An introductory course on the three principal genres of French and Francophone literature – prose, theatre, and poetry –with emphasis on comprehension and literary/stylistic analysis. This course will prepare students for more extensive readings in advanced French literature courses.

FRE 332. 17th and 18th Century French Literature. A study of representative works of prose, poetry and theatre from the Baroque, Classical, Enlightenment and Pre-Romantic periods.

FRE 335. 19th-Century French Literature. A study of representative major works of prose, poetry, and theatre from the Romantic, Realist, Naturalist, and Symbolist periods.

FRE 336. 20th-Century French Literature. A study of representative major works of prose, poetry, and theatre from the Surrealist, Existentialist, and Absurdist movements. May also include representative works of non-European Francophone literatures.

FRE 357. Internship. Off-campus supervised experience in French.

FRE 360. Special Topics.

FRE 370. Directed Study.

FRE 423. French Middle Ages and 16th-Century Literature. Emphasis on the medieval epic and romance and on Rabelais, Montaigne and representative poets of the French Renaissance.

FRE 457. Academic Internship as the Culminating Experience.

FRE 471. Senior Thesis. Each student will choose a topic, carry out the necessary research and write an extensive paper in French.

FRE 499. Comprehensive Evaluation.

Gender Studies

K. Johnson, Patterson, Ryle, S. Vosmeier

The Gender Studies major is an interdisciplinary major focusing the student's attention on social and cultural understandings of gender and sexuality. Students wishing to declare this major must have their major program approved by the Gender Studies Committee; subsequent changes must also be approved by the committee.

Major: GNDS 111; at least two courses from PHI 211, PSY 233 or SOC 228; GndS 471; and any six others from the list below, at least four of which must be 200-level or above.

Comprehensive evaluation with C- or better. Total of 10 major courses.

We encourage students to petition SAAC with other courses, including special topics courses substantially related to gender studies.

Minor: At least five units in three different disciplines from the list below, four of which must be at or above the 200-level.

Total of five courses.

No more than one course may be counted toward both a major and a minor or toward any two minors.

Courses:

ANTH 336. Gender in Cross-Cultural Perspective

CLA 343. Class, Status and Gender in Ancient Athens

COM 323. Gender and Communication

ENG 326. Women in Fiction

ENG 332. Literary Genderquests

GNDS 111. Introduction to Gender Studies

HIS 165. The Family and the Modern West

HIS 229. American Women's History

HIS 255. History of Modern Gender

PHI 211. Classic Texts of Feminism

PLS 225. Women in the Developing World

PSY 233. Psychology of Gender

SPA 329 Women and Gender in Spain

SPA 429 Adv. Women and Gender in Spain

SOC 225. Sociology of Families

SOC 228. Sociology of Gender

SOC 348. Race, Gender and Sexuality

THS 227. Feminist Theologies

THS 321. Gender, Sex, and Family in Judio-Christian Tradition

THS 326. Sexual Ethics

GNDS 111. Introduction to Gender Studies. This course will explore the social construction of gender, sex and sexual orientation. It will raise awareness about current cultural practices and critically reflect on those practices. Course members will engage in cross-cultural and/or historical comparison. Students will also be expected to investigate how gender and sexuality intersect with the social categories of race, ethnicity, class and ability.

GNDS 471. Senior Thesis

GNDS 499. Comprehensive Evaluation

Geology

Bevis, Van Iten

Major: Geology courses: one of a 16X; 224; either 461 or 471 (culminating experience); any five additional courses. Students must complete at least one field course (237 or 239) or a field-based Special Topics (360) course, Directed Study (370), or Senior Thesis (471) approved by the department.

Cognate courses: three courses, including CHE 161; either AST 165, AST 166, PHY 161 or PHY 162, or any college-level, laboratory-based biology course; and either MAT 121 or MAT 217.

Comprehensive evaluation, with grade C- or higher. Total of 8 major courses, plus 3 cognates = 11.

Recommended: CS 220, MAT 122.

Minor: Geology courses: one of a 16X; any five others. Total of 6 minor courses.

GEO 160. Special Topics.

GEO 161. Physical Geology. Introduction to the physical earth; its nature, structure, and the processes that shape it. Laboratory: minerals, rocks, topographic and geologic maps, aerial photographs. Satisfies the SL CCR. Partially satisfies the SM CCR. Not open to students with prior credit a 16X course. Fee Charged.

GEO 162. Geology of National Parks and Monuments. An investigation of geological features, processes, and history through a study of selected national parks and monuments in the United States. Laboratories emphasize hands-on learning through the classification of minerals, rocks, and fossils; the interpretation of topographic and geologic maps and remotely-sensed imagery; and will culminate with an extended field trip to describe and interpret the geology of one or more national parks and/or monuments. Not open to students with prior credit in a 16X course. Satisfies the SL CCR. Partially satisfies the SM CCR. Offered Spring Term alternate years. Prerequisite: Permission of instructor.

GEO 163. Environmental Geology. Examines how the earth affects humans and how humans affect the earth. Satisfies the SL CCR. Partially satisfies the SM CCR. Not open to students with prior credit in a 16X course. Fee Charged.

GEO 221. Introduction to Geographic Information Science. Lectures will introduce fundamental concepts of spatial data, data management, data analysis, modeling, map design and map projections and coordinate systems. A series of laboratory case studies will present real-world applications of GIScience while offering students opportunities to apply the fundamental concepts discussed in lectures. A working knowledge of computers is necessary. Satisfies the QL ACE Fee Charged.

GEO 224. Mineralogy and Petrology. Introduction to the major groups of rocks and minerals through examination of hand specimens and petrographic thin sections. Emphasis on identification and classification of rocks and minerals and the use of both to interpret ancient environments of deposition, orogens, and the genesis and evolution of rock melts. Lab work includes preparation of thin sections and polished slabs. Optional field trip to the metamorphic core zones of the Appalachian Mountains. Prerequisite: a 16X course. Offered Fall Term alternate years. Fee charged. Not open to students with prior credit in GEO 220 or GEO 322.

GEO 237. Field Study. Geologic principles, processes, and features as seen on field trips to selected areas of geologic interest. Geologic mapping, aerial photograph interpretation, description and interpretation of stratigraphy and geologic structures. Designed for majors and non-majors. Prerequisites: a 16X course and consent of instructor. Offered Spring Term alternate years.

GEO 239. Field Studies in Historical Geology. An introduction to the scientific study of geology with an emphasis on reconstructing regional geologic and tectonic history. Students will learn to identify and describe rock types, rock sequences, fossils, geologic structures, and surficial deposits and landforms; understand their formative processes; and place them within a given region's developmental history. Students will develop specific skills and experience: 1) using topographic maps, geologic maps, aerial photographs, and GPS for navigation and for recognition and mapping of geological features; 2) with proper field-note taking, including written descriptions and drawings, and 3) with synthesis and interpretation of geologic data. Not open to students with prior credit in 233. Satisfies the SL CCR. Partially satisfies the SM CCR. Offered May Term of alternate years.

GEO 260. Special Topics. Special Topics may occasionally carry added fees.

GEO 261. Issues in Environmental Geology. An in-depth examination of special topics in environmental geology such as natural hazards, pollution, water, energy or mineral resources. Will analyze real cases in the chosen topic. Labs. Field trips. May be team-taught. Offered Spring Term. Satisfies the SL CCR. Partially satisfies the SM CCR. Not open to students with prior credit in GEO 163.

GEO 262. History of Life. Introduction to the scientific study of fossils (paleontology) and survey of major developments in the co-evolution of life and the physical environment. Laboratory exercises emphasize the identification and illustration of fossil specimens, mainly invertebrates, and the interpretation of their morphology. Field trips to local fossil collecting localities. Satisfies the SL CCR. Partially satisfies the SM CCR. Introductory biology or physical geology recommended.

GEO 307. Directed Study. .50 unit.

GEO 323. Structural Geology. A study of the mechanical behavior of earth materials. Description, identification, and mechanical analysis of folds, faults and other geologic structures. Laboratory: geometric analysis of structures. Prerequisite: a 16X course. Offered Winter Term alternate years. Fee Charged.

GEO 327. Sedimentary Deposits. The study, classification, and interpretation of ancient and modern sediments and sedimentary rock sequences. Laboratory: handspecimen and thin-section study of sedimentary rocks, mechanical and compositional analysis of sediments, and preparation of stratigraphic maps. Field study of modern sediments and sedimentary rocks. Prerequisite: a GEO 16X course and permission of the instructor. Offered Winter Term alternate years. Fee Charged.

GEO 328. Physical Hydrogeology. Introduction to groundwater chemistry and the physical principles governing groundwater flow. Integration of geomorphic, stratigraphic, geochemical, and hydraulic date concepts in building mathematical models of groundwater systems. Heavy emphasis on analysis of numerical problems and, in laboratory, use of physical and computer models. Prerequisite: a GEO 16X course and permission of the instructor. Offered Fall Term. Fee Charged.

GEO 334. Geomorphology. The study of the forces and processes that shape the earth's surface as a means of understanding how the earth's features develop. Laboratory: interpretation and analysis of the earth's surficial features as seen on maps and photographs, field trips. Prerequisite: a 16X course. Offered Fall Term alternate years. Fee Charged.

GEO 357. Internship. Off-campus supervised experience in Geology.

GEO 360. Special Topics.

GEO 370. Directed Study.

GEO 457. Internship. Off-campus supervised field experience in geology. Prerequisite: Permission of instructor.

GEO 461. Senior Seminar.

GEO 471. Senior Thesis.

GEO 499. Comprehensive Evaluation.

German

A. Smith

The study of German begins with a two-semester sequence depending on the student's previous experience with the language. Students with more than one year of high school foreign language experience and who wish to continue that same language at Hanover **MUST** take the placement test administered by the Department of Modern Languages and Culture before enrolling in a language course. Students who have had two years or less of high school German can place into 115, 116, 217, 218 or above 218. Students who have had three years or more of high school German must start at 116 or above depending upon placement test results.

Failure to follow the appropriate sequence may jeopardize receipt of credit.

By-pass credit opportunity: Students who place directly into 218 or above and who earn a grade of B or better for the course will receive credit for the appropriate prerequisite course (GER 217 or GER 218) upon application to the Registrar. The combination of the by-pass credit and the completed course will satisfy the World Language and Culture requirement (CCR).

Advanced Placement credit opportunity: If a student has earned a 4 or 5 in a German Advanced Placement course, credit will be given for 218, and the student will have to take one more German course above 218 to complete the language requirement.

German is an interdisciplinary concentration on the language, literature, culture, historical development and politics of German-speaking countries with courses offered primarily in German.

German Major: 8 courses, a minimum of 7 in German, not including 115 and 116, at least 3 at the 300-level; GER 457 or 471 (culminating experience). 1 course may be taken in English from the following: GER 222, GER 243, HIS 327, HIS 349, HIS 354, MUS 232, PHI 163, PHI 224, PHI 246, PHI 325, and other courses by petition.

Comprehensive Exam with a passing grade. Total of 9 major courses.

German Minor: 5 courses, a minimum of 4 in German, not including 115 and 116. 1 course may be taken in English from the following: GER 222, GER 243, HIS 327, HIS 349, HIS 354, MUS 232, PHI 163, PHI 224, PHI 246, PHI 325, and other courses by petition.

Total of 5 minor courses.

German Studies

German Studies is an interdisciplinary concentration focusing on the language, literature, culture, historical development and politics of German-speaking countries, with additional courses offered in English by other departments. Students have the flexibility to connect their studies in German with their other area(s) of interest.

German Studies Major: 8 courses, a minimum of 5 in German, not including 115 and 116, at least 2 at the 300-level; GER 457 or 471 (culminating experience). Up to 3 courses may be taken in English from the following: GER 222, GER 243, HIS 327, HIS 349, HIS 354, MUS 232, PHI 163, PHI 224, PHI 246, PHI 325, and other courses by petition.

Comprehensive Exam with a passing grade. Total of 9 major courses.

German Studies Minor: 5 courses, a minimum of 3 in German, not including 115 and 116. Up to 2 courses may be taken in English from the following: GER 222, GER 243, HIS 327, HIS 349, HIS 354, MUS 232, PHI 163, PHI 224, PHI 246, PHI 325, and other courses by petition.

Total of 5 minor courses.

GER 115. Beginning German I. An introduction to basic modes of communication in the target language. Emphasis is on everyday language while developing speaking, listening, reading and writing as well as introducing culture(s) of the target language.

GER 116. Beginning German II. A continuation of German I. Prerequisite: 115 or placement into 116.

GER 217. Intermediate German. Reinforcement and expansion of grammatical and phonological patterns. Emphasis given to developing speaking, listening, reading and writing skills as well as study of culture(s) of the target language. Prerequisite: 116 or placement into 217.

GER 218. Advanced Intermediate German. Advanced study involving expansion and synthesis of knowledge and understanding of the target language and its culture(s). Prerequisite: 217 or placement into 218.

GER 222. German Cinema. Taught in English, a survey course examining German cinema from its world-famous pioneers in the 1920's to contemporary filmmakers. Counts for the Film Studies minor. Does not count towards German minor. Students cannot receive credit for both 222 and 322. Partially satisfies the LA CCR. Satisfies the W2 ACE.

GER 227. Off-Campus German Conversation and Culture. Total immersion in a German-speaking country. Focus is on experiencing everyday life, travel to different places and practice oral communications and presentations. Offered spring term. Prerequisite: 218.

GER 228. On-Campus German Conversation in a Contemporary Context. A consideration of contemporary issues facing German-speaking countries today by means of a variety of texts and intensive work in oral expression. Prerequisite: 218.

GER 243. Interdisciplinary Works. Taught in English. Students wishing for credit in German should register for 343. Examines the benefits of (and sometimes the consequences that result from) interdisciplinary projects in the German-speaking world. Offered with rotating topics on literature, music, philosophy, politics, science, technology and more. To include at least one artistic or literary discipline. Partially satisfies the LA CCR. Satisfies the W2 ACE.

GER 244. Intercultural Communication. Taught in German. Evaluates the communication that happens between and within cultures in literature, film and/or other media. Possible topics include the multi-layered communities represented in cross-cultural relationships, fairy tales, between humans and animals, persons with disabilities, the LGBTQ+ community, and more, with sources representing the perspectives from one or more of those culture(s). Development of competence in written and oral expression through analytical, functional and creative writing exercises, group discussions, and oral presentations. Prerequisite: GER 218. Partially satisfies the LA CCR. Satisfies the CP ACE.

GER 245. Crossing Boundaries. Taught in German. Offered with rotating topics examining the boundaries (and the crossing of boundaries) in language, culture, genre, gender, race, class and/or societies in literary works from the German-speaking world. Builds critical reading, writing, speaking, and listening skills. Prerequisite: GER 218. Partially satisfies the LA CCR.

GER 248. German for the Professions. Taught in German. Builds reading, writing, translation, speaking, and listening skills using contemporary economics, business, non-profit organization and translation industry texts and conventions. To include units, presentations, and creative projects and analyses specific to enrolled students' vocational interests. Students help research and design part of the curriculum. Prerequisite: GER 218. Satisfies the S ACE.

GER 260. Special Topics.

GER 321. Cities and Regions. A cultural journey to several key cities and regions in order to acquaint the students with the rich heritage of German-speaking lands. This course continues students' development toward advanced language proficiency by providing a variety of texts from disciplines such as literature, music, philosophy, science, history, banking and industry. May be repeated for credit. Prerequisite: 218.

GER 322. German Film Studies. Taught in English, a survey course examining German cinema from its world-famous pioneers in the 1920's to contemporary filmmakers. Students will write papers in German. Counts for Film Studies minor. Students cannot receive credit for both 222 and 322. Prerequisite: 218. Partially satisfies the LA CCR. Satisfies the W2 ACE.

GER 343. Interdisciplinary Works in German. Taught in English. Readings, writings, and conversation group in German. Examines the benefits of (and sometimes the consequences that result from) interdisciplinary projects in the German-speaking world. Offered with rotating topics on literature, music, philosophy, politics, science, technology and more. To include at least one artistic or literary discipline. Prerequisite: GER 218. May be repeated for credit with permission of instructor. Partially satisfies the LA CCR. Satisfies the W2 ACE.

GER 344. Adv. Intercultural Communication. Taught in German. Evaluates the communication that happens between and within cultures in literature, film and/or other media. Possible topics include the multi-layered communities represented in cross-cultural relationships, fairy tales, between humans and animals, persons with disabilities, the LGBTQ+ community, and more, with sources representing the perspectives from one or more of those culture(s). Development of competence in written and oral expression through analytical, functional and creative writing exercises, group discussions, and oral presentations. Prerequisite: GER 218, and at least two more upper-division courses at the 200-level. May be repeated for credit with permission of instructor. Partially satisfies the LA CCR. Satisfies the CP ACE.

GER 345. Adv. Crossing Boundaries. Taught in German. Offered with rotating topics examining the boundaries (and the crossing of boundaries) in language, culture, genre, gender, race, class and/or societies in literary works from the German-speaking world. Builds critical reading, writing, speaking, and listening skills. Prerequisite: GER 218, and at least two more upper-division courses at the 200-level. May be repeated for credit with permission of instructor. Partially satisfies the LA CCR.

GER 348. Adv. German for the Professions. Taught in German. Builds reading, writing, translation, speaking, and listening skills using contemporary economics, business, non-profit organization and translation industry texts and conventions. To include units, presentations, and creative projects and analyses specific to enrolled students' vocational interests. Students help research and design part of the curriculum. Prerequisite: GER 218. Satisfies the S ACE.

GER 357. Internship. Off-campus supervised experience in German.

GER 370. Directed Study.

Greek

Baechle, O'Neill, Pittenger

Minor: Any five courses in Greek. With the exception of courses specifically required for a student's major, no other Greek language course may be counted both toward this minor and toward the student's major itself. Total of 5 minor courses.

GRE 115. Beginning Classical Greek I. An introduction to Ancient Greek and to Athenian culture of the fifth and fourth centuries B.C.E. Students will develop skills in grammatical analysis, useful for understanding how both Greek and other languages work. At the same time they will begin learning about the literature and social values of Classical Athens.

GRE 116. Beginning Classical Greek II. A continuation of GRE 115. During the second semester the readings will become progressively more complex grammatically and the cultural context of the readings richer and more detailed. Prerequisite: GRE 115.

GRE 217. Intermediate Greek. After review of the work done in the first two semesters, students will continue to work on their understanding of the language and its grammar. Unadapted ancient prose texts bearing on central cultural concerns of the Athenians will be read, excerpted or as wholes. Further readings in English will provide background and historical context. Prerequisite: GRE 116.

GRE 218. Advanced Intermediate Greek. After finishing the reading of the prose texts started in the first semester, the course will move on to selections from a drama, usually a tragedy of Euripides or a comedy of Aristophanes, bearing on the topics addressed in the first semester. There will be additional readings in English on the history and practice of Athenian theater. Prerequisite: GRE 217. Satisfies the W2 ACE.

GRE 307. Directed Study. .50 unit

GRE 323. Ancient Greek Poetry/Drama. The texts read for the course in a given year may vary. Normally, a course on fifth-century drama will alternate with a course on Homer and other early poetry. Course can be repeated for credit. Prerequisite: 218.

GRE 324. Ancient Greek Prose. The topic of the course in a given year may vary. Normally, a course on Herodotus and Thucydides will alternate with a course based on the texts of the orators, Plato and Aristotle. Course can be repeated for credit. Prerequisite: 218.

GRE 370. Directed Study.

Health and Fitness

L. Hall, M. Jones.

Required Health and Fitness

The Health and Fitness Applied (AF) requirement places emphasis on lifetime personal health through knowledge of and participation in lifelong fitness activities. The requirement involves two quarter credit courses (HFA). Students may receive one 0.25 unit activity credit upon satisfactorily completing one year of participation in any varsity sport and after registering for the corresponding HFA course. A student who satisfactorily completes one year of participation in a second (different) varsity sport may receive a second 0.25 unit activity credit after registering for the corresponding HFA course. Students must register for the HFA credit, whether Varsity or Fitness, during the scheduled registration or drop/add periods as listed on the Academic Calendar.

Varsity Sports

HFA 028. Varsity Cheerleading. .25 unit.
HFA 029. Varsity Swimming. .25 unit.

HFA 030. Varsity Cross Country. .25 unit.

HFA 031. Varsity Golf. .25 unit.

HFA 032. Varsity Tennis. .25 unit.

HFA 033. Varsity Track and Field. .25 unit.

HFA 034. Varsity Baseball. .25 unit.

HFA 035. Varsity Softball. .25 unit.

HFA 036. Varsity Basketball. .25 unit.

HFA 037. Varsity Football. .25 unit.

HFA 038. Varsity Soccer. .25 unit.

HFA 039. Varsity Volleyball. .25 unit.

HFA 040. Varsity Lacrosse. .25 unit.

Fitness Activities

HFA 043. Volleyball. .25 unit. Not open to students with prior credit in HFA 045. Fee charged.

HFA 045. Sand Volleyball. .25 unit. Not open to students with prior credit in HFA 043. Fee charged.

HFA 046 Beginning Lacrosse. .25 unit Not open to varsity lacrosse athletes. Fee charged.

HFA 047 Floor Hockey. .25 unit Fee charged.

HFA 050. Adapted Fitness Activities. A program of limited physical activity based on the individual's ability. Only students with a medical excuse may enroll. .25 unit. May be repeated for credit. Fee charged.

HFA 051. Ultimate Frisbee. .25 unit. Fee charged.

HFA 052. BOSU Ball. .25 unit. Fee charged.

HFA 060. Special Topics. Fee charged.

HFA 066. Tennis. .25 unit. Fee charged.

HFA 067. Fitness Walking. .25 unit. Fee charged.

HFA 068. Fitness Running. .25 unit. Fee charged.

HFA 070. Aerobic Activities. .25 unit. Fee charged.

HFA 073. Self-Defense for Women. .25 unit. Fee charged.

HFA 074. Weight Conditioning. .25 unit. Not open to varsity athletes. Fee charged.

HFA 075. Racquetball. .25 unit. Fee charged.

HFA 076. Racquet Sports. .25 unit. Fee charged.

HFA 077. Circuit Training. .25 unit Fee charged.

HFA 092. Bowling. .25 unit. Fee charged.

HFA 096. Beginning Golf. .25 unit. Fee charged.

HFA 097. Advanced Golf. .25 unit. Fee charged.

Health and Fitness

HF 101. Lifetime Health and Fitness. Examines patterns of exercise, diet, fitness attitudes, and other issues of health, with special focus on analyzing one's own personal health patterns, designing a health plan, and evaluating health-related information. .5 credit.

HF 105. Essential Movement for Elementary Children. The rationale and methodology for guiding children in motor skills and activities, including creative movement. Includes designing a program for elementary school children as well as experience in a public school. 0.50 unit. Counts as 0.25 credit toward the HFA CCR requirement.

HF 260. Special Topics.

HF 307. Directed Study. .50 unit

HF 360. Special Topics.

HF 370. Directed Study.

Health and Movement Studies

L. Hall, M. Jones, Stamford, Tereshko.

Major: KIP 161 or KIP 327; 215; 225; 230; 345; HMS 231; HMS 324; HMS 457, 461, or 471 (culminating experience*); PSY 111; PSY 244; and any two of the following: PSY 231, 300-level KIP course, 300-level HMS course.

Comprehensive evaluation with passing grade.

12 major courses

* Students following the 3+ BA+BSN option described in the nursing articulation agreement with Valparaiso University may replace HMS 461 with Valparaiso's Nur 480 Prof. Role Practicum.

Minor: KIP 161; 215; 230; 345; HMS 231; one other from KIP 225, or any 300-level KIP or HMS course. No more than one course may be counted toward both a major and a minor or toward any two minors. Total of 6 minor courses.

HMS 231. Personal and Community Health. Emphasizes both the personal and community commitment toward the maintenance of health and the prevention of illness. Focus is on the development of personal lifestyles of optimal wellness over the life span. Health issues include nutrition, physical fitness, drugs, sexuality, infectious and non-infectious diseases, cancer, cardiovascular health, psychological health, consumerism, safety, environmental health, and death and dying.

HMS 260. Special Topics.

HMS 307. Directed Study. .50 unit

HMS 324 Motor Learning and Development. An examination of how differing motor abilities affect how an individual learns motor skills. A framework will be provided for establishing programs that help learners of all ages develop motor skills.

HMS 325. Care and Prevention of Athletic Injuries. An exploration of various sports and activity related injuries. Specifically, the prevention, recognition, immediate care, and general rehabilitation of the most common and most severe sports and activity related injuries. The course will cover diagnosis of injuries, preventative taping and bracing techniques, common treatment methods, and a general conceptive understanding of general rehabilitation techniques. Prerequisite: KIP 215. Fee Charged.

HMS 360. Special Topics.

HMS 370. Directed Study.

HMS 457. Internship.

HMS 461. Senior Seminar. A culminating experience emphasizing the historical, philosophical, sociological and psychological factors associated with physical activities, health and physical education.

HMS 471. Senior Thesis.

HMS 499. Comprehensive Examination.

History

Brautigam, Miller, Murphy, Raley, M. Vosmeier, S. Vosmeier.

Major: History courses – Nine, including 372 and 471 (culminating experience), but not including 100 level courses.

Recommended: 215, 216, 217.

Comprehensive evaluation, with passing grade.

Minor: History courses – Five.

History courses are designed to engage students in substantive historical inquiry, encourage independent and creative thinking, and promote excellence in undergraduate scholarship. Students should expect to consider and eventually to identify significant historical questions, to analyze primary documents with care and precision, to evaluate alternative arguments, to develop coherent interpretations of historical problems, and to write with clarity, precision, and authority.

The history curriculum consists of a diverse range of courses, organized in a progressive sequence. Introductory courses (100 level courses; 215-217) are integrative and comparative courses designed to provide students with a foundation for more specialized work in upper-level courses organized by geographic areas, time periods, and themes.

The history curriculum is intended for all students of the liberal arts, history majors and non-majors alike. There are no prerequisites to history courses. Upper-level courses presuppose greater sophistication in analytical and interpretive skills, but they do not assume knowledge of particular content.

History majors, in consultation with their advisers, are expected to develop a well-balanced major program combining breadth and depth and including both introductory and upper-level courses from different areas of the history curriculum. Majors are encouraged to enroll in some or all of the courses in the Western Civilization sequence (215-217). For their culminating experience, history majors are to pursue a Senior Thesis (471), a semester-long research and writing project resulting in a substantive and original thesis paper. The history comprehensive examination is designed to test seniors both on their understanding of different civilizations and eras and on their ability to analyze and interpret historical problems and to integrate material from across the curriculum. The history department endorses the development of individual plans of study, including internships and directed studies.

Introductory Courses in History

HIS 161. The Modern West. An examination of the history of modern society, emphasizing that of Western Europe and North America, but also attending to the West's relationship with the rest of the world. Partially satisfies the HS CCR.

HIS 162. Modern Politics: East Asia. Examines the shaping of modern politics and society in East Asia under the influence of Western ideology and as a response to Western imperialism.

Topics include the Opium War, the Meiji Restoration and colonialism in both Korea and Vietnam. Also explores the rise of nationalist movements and the search for civil society in modern East Asia. Partially satisfies the HS CCR. Satisfies the CP ACE.

HIS 165. The Family and the Modern West. An examination of issues related to the family in the history of modern society. Focuses on Western Europe and North America but also attends to the relationship between the West and the rest of the world. Partially satisfies the HS CCR.

HIS 167. Speaking of American History. An introduction to the ways historians understand and interpret the past, focusing on selected topics in American history. Students will examine American oratory and oral history as they develop their own oral communication skills. Partially satisfies the HS CCR. Satisfies the S ACE.

HIS 171. World Civilizations to 1500. An introductory comparative and thematic global study of non-Western and Western cultures beginning with the birth of civilization in various locations around the globe following the agricultural revolution of the Neolithic Age (ca. 10,000 B.C.E.) and extending to the beginning of the early modern era (ca. 1500 C.E.). Partially satisfies the HS CCR. Satisfies the W1 ACE.

HIS 172. World Civilizations since 1500. An examination of the history of the rise of modern societies across the globe as these societies functioned in isolation and in association with one another. Partially satisfies the HS CCR. Satisfies the W1 ACE.

HIS 173. Africa in World History. This course offers basic insight into the political, social, economic, and cultural history of the continent of Africa from Antiquity to the present, with particular emphases upon human origins, the Agricultural Revolution, the slave trade, mineral revolution, colonization by European powers, and Africa's emergence upon the world stage in the 20th and 21st centuries. Partially satisfies the HS CCR. Satisfies the W1 ACE. Satisfies the CP ACE.

HIS 215. The West: Ancient to Medieval. Offered alternate Fall Terms. Partially satisfies the HS CCR. (See description below.)

HIS 216. The West: Renaissance to 1800. Offered alternate Winter Terms. Partially satisfies the HS CCR. (See description below.)

HIS 217. The West: 1800 to the Present. Offered alternate Fall Terms. Partially satisfies the HS CCR. (See description below.)

By studying European and American history in a global context and encouraging innovative comparative approaches, the three-course "core" sequence is designed to provide students with a broad geographical, cultural and historical context for evaluating and interpreting historical problems and to give a solid foundation for more advanced work not only in history, but also in other disciplines.

HIS 218. Genres of History. This class examines history as a genre of writing. Students will select, examine and critique examples of written history to ascertain what constitutes good style in historical writing and will write historical essays with an eye towards developing a sense of style. Partially satisfies the HS CCR.

HIS 219. The History of Human Rights. This course will survey the theoretical bases and historical and cultural contexts that have accompanied the evolution of thinking about human rights from the sixteenth century to the present day. Partially satisfies the HS CCR.

Advanced Courses in U. S. History

HIS 223. American Immigration History. A study of immigration and internal migration (from prehistory to the present) within what is now the United States, examining how different waves of newcomers have interacted with the existing population and how immigration and ethnicity have shaped the American identity. Offered alternate years. Partially satisfies the HS CCR.

HIS 225. The History of the American Midwest. A survey of America's heartland from the time of European contact to the present, examining the history of European exploration of the region, European and Native American relations, immigration and settlement, territorial organization and statehood, economic development, and the creation and meaning of Midwestern regional identity. Offered alternate years. Partially satisfies the HS CCR.

HIS 226. Abraham Lincoln and the American Dream. A course that uses biography, Abraham Lincoln's own words, and popular culture to examine the 16th president in historical context – as a product of the cultural and intellectual currents of 19th century American – and in America's collective memory, as an image and continuing symbol of national values and ideals. Offered alternate Spring Terms. Partially satisfies the HS CCR.

HIS 227. Twentieth-Century America and Your Family. An examination of twentieth-century American life, considering the intersection of national history and lived experience. Students will interview family members, using their own interviews and those of their colleagues to make historical arguments about national events and everyday life. Offered alternate Spring Terms. Partially satisfies the HS CCR.

HIS 229. American Women's History. A survey of American women's experiences from the colonial era to the present, giving special attention to the "public sphere" (including politics, the workplace, and the law). Partially satisfies the HS CCR.

HIS 230. American Military History, 1600 to 1903. A survey of the American military history through the conclusion of the Philippines conquest, studying the military campaigns conducted by the Americans during this period. In addition to studying strategy, tactics, and weapons, issues such as the social composition of the armed forces, the influence of new technologies on warfare, the tension between "professional" and "citizen" soldiers, popular attitudes toward war and the military, and the effects of war on American society will be explored. Offered alternate years. Partially satisfies the HS CCR.

HIS 231. American Military History, 1903 to Present. A survey of the American military from 1903 to the present, studying the military campaigns conducted by the Americans during this period. In addition to studying strategy, tactics, and weapons, issues such as the social composition of the armed forces, the influence of new technologies on warfare, the tension between "professional" and "citizen" soldiers, popular attitudes toward war and the military, and the effects of war on American society will be explored. Offered alternate years. Partially satisfies the HS CCR.

HIS 232. Studies in American Indian History. An examination of selected topics in American Indian history, exploring the experience of American Indian peoples in various parts of North American, such as the eastern woodlands or western plains. Issues addressed will include the culture of selected American Indian peoples before contact with Europeans, and their subsequent interactions with European and American settlers. Content may vary. May be repeated for credit with the permission of the instructor. Partially satisfies the HS CCR. Satisfies the W2 ACE. Satisfies the CP ACE.

HIS 234. Studies in American Cultural History. An examination of selected topics in the cultural history of the United States, exploring the ways popular culture, material culture, and everyday life have both reflected and influenced American society. Content may vary. May be repeated for credit with permission of instructor. Partially satisfies the HS CCR.

HIS 255 History of Modern Gender. An examination of the creation and historical development of modern gender identities in a Trans-Atlantic context (Europe and America). Course objectives include: familiarization with terms and concepts used by historians of gender; development of an understanding of the nature of gender identities; and discussion of the implications of the historical development of gender for modern Trans-Atlantic culture**.**

HIS 269 History of Medicine. An examination of the evolution and development of medical practices from ancient times through the modern era. The course will focus on medicine as a social and cultural response to disease by comparing and contrasting the medical systems of different cultures at different times. The course will include units on ancient, medieval, early modern, modern, and modern-American medicine.

HIS 330. Studies in the History of American Thought. An examination of selected topics in the intellectual history of the United States, exploring the ways ideas have helped shape the meaning of the American experience. Content may vary. May be repeated for credit with permission of instructor. Offered alternate years. Partially satisfies the HS CCR.

HIS 333. American Colonial History, 1600-1750. The chronological survey of the European settlement of North America and the development of English colonies with special emphasis on the political, social, economic, and cultural developments. Offered alternate years. Partially satisfies the HS CCR.

HIS 334. The New American Nation, 1750-1815. The chronological survey of the American Revolution, the War of Independence, the Articles of Confederation, the drafting and ratification of the Constitution, the establishment of the new government, and the presidencies of Washington, Adams, Jefferson, and Madison. Offered alternate years. Partially satisfies the HS CCR.

HIS 335. To Form a More Perfect Union, 1815-1877. The chronological survey of a critical period in U.S. history that witnessed national expansion and economic development, the rise of mass political parties and a celebration of democratic culture, movements for social reform, dispossession of Native Americans, slavery, sectional crises, the Civil War, and Reconstruction. Offered alternate years. Partially satisfies the HS CCR.

HIS 336. The Search for Order, 1877-1945. The chronological survey of the period when the United States simultaneously became an urban industrial nation and a world power. Offered alternate years. Partially satisfies the HS CCR.

HIS 337. Modern America, 1945 to Present. The chronological survey of the history of the United States from the onset of the Cold War through its termination, and the profound social changes which marked the nation during those years. Offered alternate years. Partially satisfies the HS CCR.

HIS 338. The Jazz Age: America in the 1920s. An examination of an eventful decade that saw the United States emerge from the First World War as the most powerful, prosperous, and culturally influential nation in the world. Attention will be paid to the political, economic, social, and cultural forces that shaped the emergence of modern America during the 1920s. Partially satisfies the HS CCR.

Advanced Courses in European History

HIS 241. Tsarist Russia. A survey of Russian history from the earliest times to the emancipation of the serfs in 1861. Offered alternate years. Partially satisfies the HS CCR.

HIS 242. The Soviet Union. A study of the events, developments, and personalities that led to the disintegration of tsarist Russia and the beginnings of a new society which has produced tremendous upheaval, millenarianism, intense hostility, and incredible brutality. Offered alternate years. Partially satisfies the HS CCR. Satisfies the W2 ACE.

HIS 243. Tudor and Stuart England. An examination of the economic, social, political, and intellectual history of England during the reigns of the Tudor and Stuart monarchs. Offered alternate years. Partially satisfies the HS CCR. Satisfies the W2 ACE.

HIS 244. Studies in Early Modern Europe. An examination of selected problems in the history

of early modern Europe. Content may vary. May be repeated for credit with permission of instructor. Offered alternate years during Spring Term. Partially satisfies the HS CCR.

HIS 248. Britain in the Long 18th Century. This course examines the economic, social, political, and cultural history of Great Britain in the "Long 18th Century" – the period following the culmination of the Glorious Revolution (1688) and the end of the end of the Napoleonic Wars (c. 1815). Emphasis will be on the interpretation of primary source documents and will be guided by recent secondary source readings. Partially satisfies the HS CCR.

HIS 249. Victorian Britain. This course examines the economic, social, political, and cultural history of Great Britain during the reign of Queen Victoria, roughly 1837 to 1901. Some attention will, of course, be paid the decades immediately before, and to the long-lasting effects of, the history of this period. Emphasis will be on the interpretation of primary source documents and will be guided by recent secondary source readings. Partially satisfies the HS CCR.

HIS 251. Greek History. A survey of Greek history from the Aegean Bronze Age to the age of Alexander. Identical to Classics 251. Offered every third year. Partially satisfies the HS CCR.

HIS 252. Roman History. A survey of Roman history from the founding of the city to the fall of the Roman Empire. Identical to Classics 252. Offered alternate years. Partially satisfies the HS CCR.

HIS 253. Roman Games. Mass-entertainment by means of blood-sports, in the arena and the circus, was a prominent feature of Roman culture. This course will examine the social, religious, economic and political significance of the Roman games from a historical standpoint, including archaeological remains, artistic renderings and literary sources both pagan and Christian. Discussion will also touch on modern parallels and big-budget Hollywood films. All sources in English translation. Identical to CLA 253. Offered alternate years during Spring Term. Partially satisfies the HS CCR.

HIS 254. The Crusades. Students will examine not only the goals and justifications behind the papacy's and the Crusaders' attempt to retake Palestine between 1095 and 1291 and the Byzantine, Jewish, and Muslim responses to these efforts, but will also consider later crusades from the 14th through the 16th centuries. Offered in alternate years. Partially satisfies the HS CCR. Satisfies the W2 ACE.

HIS 256. The Vikings. This course will explore the Vikings and their culture from historical and archaeological, as well as literary, perspectives. Partially satisfies the HS CCR. Satisfies the W2 ACE.

HIS 325. The Holocaust. An in-depth examination of the ideological underpinnings, implementation and legacy of the Nazi effort to exterminate every Jew in Europe. Offered alternate years. Partially satisfies the HS CCR.

HIS 326. High and Later Middle Ages. A discussion-oriented seminar exploring the history of Western Europe from the eleventh to the sixteenth centuries through the lenses of political, military, economic, social, legal, religious, and intellectual history. Offered in alternate years. Partially satisfies the HS CCR.

HIS 327. Renaissance and Reformation. The first half of the semester is devoted to an examination of the complex period of early modern history beginning in the 14th century when Europe was emerging from the Middle Ages as Renaissance humanists, focusing upon an educational agenda focused upon the liberal arts, looked back to the glory of Classical Greece and Rome for their intellectual inspiration. The scrutiny of the northern humanists, in turn, had an important consequence when the unity of the Catholic faith and the political-ecclesiastical domination of the Catholic Church throughout western Europe were first

challenged and then shattered, and a multitude of new "Protestant" religious sects, led first by Martin Luther, arose and developed into formal, confessionalized religious sects. Offered in alternate years. Partially satisfies the HS CCR.

HIS 348. The French Revolution and Napoleon. An in-depth examination of the turbulent 25-year period that dramatically reshaped concepts of politics, power, and social relations, polarized contemporary European society, and served as a model of change ever since. Offered alternate years. Partially satisfies the HS CCR. Satisfies the W2 ACE.

HIS 349. Nazi Germany. A study of the forces and conditions which made it possible for the Hitler movement to seize power in Germany; of the policies pursued on behalf of and in opposition to National Socialism; of the war; and of the movement's legacies. Offered alternate years. Partially satisfies the HS CCR.

HIS 351. Alexander & the Hellenistic World. Alexander the Great remains one of the most compelling figures in all of history, and after his death the Mediterranean world was never the same again. His successors carved up his vast empire between them, and the new hybrid civilization they created (known as Hellenistic or "Greek-ish") was still in place more than a century later when the Romans came along. This course is taught as a seminar and will cover a wide range of topics, including warfare, politics, society, culture and always the problem of evidence. No prerequisite, but students are encouraged to contact the instructor in advance. Offered every three years. Identical to CLA 351. Partially satisfies the HS CCR.

HIS 353. Advanced Topics in Ancient History. This course offers a thorough and detailed examination of an important topic or problem from Greco-Roman history. The specific focus of the course may vary, but the goal in each case will be to sift through the ancient evidence for the problem at hand, knowing that this is often highly fragmentary and/or biased in some way, and also to analyze and assess a range of divergent scholarly arguments based on that evidence, so as to arrive at a deeper understanding of the ancient historian's craft, as well as an understanding of its inherent limitations. Identical to CLA 353. This course may be repeated for credit with the permission of the instructor.

HIS 354. The World War, 1914-1918. A survey of the events, ideologies, policies, and legacies of the World War, 1914-1918. Partially satisfies the HS CCR. Satisfies the W2 ACE.

HIS 358. The British Empire. An examination of the development, maintenance, and dismantling of the British Empire from the late 18th century to the late 20th century. In addition to learning the narrative of the history of the British Empire, students will examine the reciprocal effects of imperialism on the social, intellectual and political experience of each of the cultures involved, with special emphasis on Britain, India, and the African continent. Offered alternate years. Partially satisfies the HS CCR.

HIS 359. Medieval and Renaissance Florence. An off-campus history course in Florence, Italy, during spring term. Partially satisfies the HS CCR.

Advanced Courses in Asian and World History

HIS 264. The World Since 1945. A survey of events and developments throughout the world from the end of the Second World War to the present. Offered alternate years. Partially satisfies the HS CCR.

HIS 265. Studies in World History. An examination of selected topics and themes in world history. Content may vary. May be repeated for credit with permission of instructor. Offered alternate years. Partially satisfies the HS CCR.

HIS 266. History of China. An introduction to the history of China from ancient times through the modern era. Partially satisfies the HS CCR. Satisfies the CP ACE.

HIS 267. History of Japan. An introduction to the history of Japan from the beginning of Japanese civilization through the modern era. Partially satisfies the HS CCR. Satisfies the CP ACE.

HIS 268. History of Modern Science. This course examines the major developments in the formation of modern science from the 17th century to the present. It focuses on science as human creative endeavor and examines episodes of scientific discovery, debate, and controversy to generate consideration and discussion of such issues as the nature of scientific discovery and the relationship of scientific theories to their social and cultural contexts. Offered alternate years. Partially satisfies the HS CCR.

HIS 361. Genocide. A survey of historical examples of mass killing through the centuries and an examination of academic, moral, and legal issues in general and in particular. Offered alternate years. Partially satisfies the HS CCR. Satisfies the W2 ACE.

HIS 362. Modern China. An examination of current scholarship on modern and contemporary China, focusing on topics such as the 1911 Revolution, the Communist Revolution, and the Cultural Revolution. Partially satisfies the HS CCR. Satisfies the CP ACE.

HIS 364. Traditional China. An examination of social and intellectual changes in ancient China by studying Chinese texts (in translation). Offered alternate years. Partially satisfies the HS CCR. Satisfies the CP ACE.

HIS 365. History of the Middle East. An introduction and examination of the history of the Middle East from pre-Islamic times to the modern era. Offered alternate years. Partially satisfies the HS CCR. Satisfies the CP ACE. Satisfies the W2 ACE.

HIS 366. Studies in Historiography. An examination of selected topics in the ancient world, emphasizing the history, philosophy, and methods of historical investigation. Content may vary. May be repeated for credit with the permission of the instructor. Offered alternate years. Identical to CLA 366. Partially satisfies the HS CCR.

HIS 367. China and Christianity. Explores the historical encounter between China and Christianity against the backdrop of the broader contacts between China and the West. Explores the role of Christianity in the political and social changes as well as cultural transformations of late imperial and modern China and looks at how China's turmoil since the Opium War helped shape an emerging popular Christianity that is becoming a permanent part of the religious and cultural landscape of the country. Partially satisfies the HS CCR. Satisfies the CP ACE. Offered alternate years.

Special Courses

Offered as indicated.

HIS 260. Special Topics. New courses offered on a trial basis.

HIS 307. Directed Study. .50 unit. To be arranged with faculty director.

HIS 357. Internship. Off-campus supervised experience in History.

HIS 360. Special Topics. New courses offered on a trial basis.

HIS 370. Directed Study. To be arranged with faculty director.

HIS 372. Historical Research. A seminar exploring the various fields of study, methods, and professional opportunities available to the student of history. Students will prepare for, and do preliminary work on, potential senior thesis topics. Intended for history majors in their junior year.

HIS 457. Internship. To be arranged with advisor and faculty sponsor.

HIS 471. Senior Thesis. To be arranged with faculty director.

HIS 499. Comprehensive Evaluation.

Interdisciplinary Studies

ID 160. Special Topics.

ID 171. Literature and Politics. Works of poetry, fiction, drama and polemics from 'revolutionary' periods in Western history and culture. Satisfies the W1 ACE.

ID 260. Special Topics.

ID 307. Directed Study. .50 unit.

ID 360. Special Topics.

ID 370. Directed Study. One unit.

International Studies

Buchman, Kirkland, Shahinpoor, Yoon

Major: (1) PLS 231; (2) a two-course sequence in economics, including ECO 114 followed by a course with an emphasis in international economics; (3) a two-course sequence in Anthropology including 162 followed by an area studies course; (4) a history course of international focus with an emphasis on the 20th and 21st centuries; (5) a research methods course (ANTH 325, ECO 257, HIS 371, PLS 239, or SOC 320); (6) INS 461 (culminating experience); (7) four other courses, chosen from appropriate fields and approved by the Department to form a specific regional or topical focus, and including at least two courses at or above the 300 level.

Comprehensive evaluation, with a grade of C or better. Total of 12 major courses.

Minor: Any two of the items (1)-(5) listed in the major requirements; three other courses, approved by the Department and including at least one course at or above the 300 level. Total of 5, 6, or 7 minor courses.

Prospective International Studies majors and minors are expected to fulfill any normal prerequisites for courses taken.

INS 161. Modern Africa. An examination of Africa from European colonialism to the present, and how social, economic and political institutions have shaped and reshaped the continent. Partially satisfies the HS CCR. Satisfies the CP ACE. Can count as an elective for an International Studies major.

INS 261. Africa and the Americas: Literature and Society in Africa. An interdisciplinary study of African societies and cultures through intensive study of representative literary works, with some attention to African culture in the Americas. Partially satisfies the HS CCR. Satisfies the CP ACE.

INS 307. Directed Study. .50 unit.

INS 357. Internship. An off-campus experience in international studies, arranged by the student and subject to approval by the Department.

INS 370. Directed Study.

INS 461. Senior Seminar. Discuss and write about global issues from interdisciplinary perspectives. 1 unit.

INS 499. Comprehensive Evaluation.

Journalism

Stokes, Winters.

Minor: ENG/COM 251 American Journalism; COM 342 Visual Journalism; COM 349 Communication Law and Public Policy; and ENG/COM 357 Internship; and one from: COM 240 Survey of Mass Media; COM 242 Visual Communication; COM 246 Writing for the Media; or ENG 351 Non-Fiction Workshop.

Total of five courses.

Kinesiology and Integrative Physiology

Jacks, Stamford, Tereshko, Winke

Major - Bachelor of Arts: A gateway course*; KIP 215; 225; 230; 326; 327; 341; 461 or 471; and two additional units at or above the 300-level.

Cognates: CHE 161, CHE 185, and Math 217.

*Any one of the following courses can be used as a gateway: KIP 161; BIO 165; BIO 185

Comprehensive evaluation, with at least a C-. Total of 10 units in the major plus 3 cognate units = 13 units.

Major - Bachelor of Science: KIP 215; 225; 230; 326; 327; 341; 471; and three additional units at or above the 300-level

Cognate courses – BIO 161, 185, CHE 161, 185, MAT 217 and either CHE 221 and 222 or PHY 161 and 185.

Comprehensive evaluation with passing grade. Total of 10 major courses, plus 7 cognates = 17 units.

Minor: KIP 215; 230; 327; and two units at or above the 200-level.

KIP 161. Introduction to Kinesiology and Integrative Physiology. This course serves as an introduction to exercise science, including metabolism, effects of exercise training, body composition, nutrition and principles of exercise adherence. Labs will provide opportunities to develop and test research questions and write scientifically. Satisfies the SL CCR. Partially satisfies the SM CCR. Fee Charged.

KIP 215. Human Anatomy. A structural survey of the human body covering the muscular, skeletal, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, reproductive, and integumentary systems. Laboratory. Not recommended for first-year students. Prerequisite: BIO 165, 185 or KIP 161. Fee Charged.

KIP 225. Nutrition. The study of the nutrients in foods and of the body's handling of them, including: ingestion, digestion, absorption, transport, metabolism, interaction, storage, and excretion. Emphasis will be placed on the effect nutrition plays on health and weight management.

KIP 230 Physiology. An introduction to principles of vertebrate physiology, with special emphasis on humans, using an integrative approach to basic physiology of cells through considerations of major organs and organ systems. Prerequisite: KIP 215. Fee Charged.

KIP 260. Special Topics.

KIP 307. Directed Study. .50 unit.

KIP 323. Medical Terminology. Comprehensive review of medical terminology centering on word parts, Greek & Latin roots, word construction, suffixes and prefixes. Prerequisite: KIP 230.

KIP 324. Principles of Strength and Conditioning. Comprehensive overview of strength

and conditioning. Emphasis will be placed on the scientific principles behind anaerobic and aerobic training program design including anatomy, exercise physiology, biomechanics and exercise technique. Prerequisite: KIP 230. Fee Charged.

KIP 326. Biomechanics. The study of motion and the effect of forces on biological systems, using the principles of mechanics for solving problems related to the structure and function of living organisms. The course will include analyzing human movement by both quantitative and qualitative means. Laboratory. Prerequisite: KIP 215. Fee Charged.

KIP 327. Physiology of Exercise. The description and explanation of functional changes brought about by acute or chronic exercise. Topics include bioenergetics, neuromuscular concepts related to exercise, cardio-respiratory considerations, physical training, nutrition and body composition, and the use of ergogenic aids in improving the exercise response. Laboratory. Prerequisite: KIP 230. Satisfies the W2 ACE. Fee Charged.

KIP 328. Pathophysiology. The study of disease processes and the influence of the acute and chronic effects of exercise. Topics will include but not be limited to cardiovascular disease, cancer, osteoporosis, obesity, neurological disease and diabetes. Prerequisite: KIP 230. Fee Charged.

KIP 329. Cardiopulmonary Assessment. The course includes assessment of hemodynamic responses and evaluations of EKGs in the coronary heart disease, heart failure and obstructive lung disease populations. Topics consist of but are not limited to a review of effects of exercise in prevention and as a rehabilitative measure. Prerequisite: KIP 230. Fee Charged.

KIP 330. Psychology of Human Performance. This course provides a broad overview for understanding the behavior of individuals engaged in sport, exercise, and exercise testing protocols. Content areas include personality and factors that affect motivation, performance in groups, the psychological effects of participation in sport and exercise, barriers to physical activity participation, factors affecting exercise testing performance, and practical strategies for assisting those engaged in sport and exercise programs. Prerequisite: Junior or Senior standing.

KIP 331. Exercise is Medicine. This course examines the role of regular exercise in the incidence, progression, and outcome of chronic diseases such as cardiovascular disease, diabetes, osteoporosis, cancer, obesity, and aging. Content areas include general principles of epidemiology, activity-related pathophysiology of chronic disease, how regular physical activity can prevent the onset of chronic disease, and how exercise can be prescribed as treatment for selected chronic diseases. Consideration will also be given to other factors (diet and smoking) that impact the course of disease.

KIP 341 Research Methods and Data Analysis. Scientific measurement approaches used in exercise science research, including research design and interpretation of data. Prerequisite: KIP 327; Math 217.

KIP 345 Exercise Testing and Prescription. Examines the theoretical and applied aspects of exercise testing and exercise prescription. Modes of exercise testing used in predicting disease and assessing fitness levels. Emphasis on collection and interpretation of data from fitness testing and the design of personalized exercise programs. Laboratory. Prerequisite: KIP 230. Fee Charged.

KIP 357. Internship. Off-campus field experience of applied nature in Kinesiology and Integrative Physiology, recreation/fitness leadership, or coaching. Specific experience to be determined by student and faculty consideration of available positions and student interest and competencies. Prerequisite: Consent of the Department.

KIP 360. Special Topics.

KIP 370. Directed Study.

KIP 461. Senior Seminar. Analysis and discussion of advanced principles of exercise physiology. Prerequisite: Senior standing.

KIP 471. Senior Thesis. Supervised individual research and writing in an area of Kinesiology and Integrative Physiology selected by the student with approval of the instructor. Prerequisite: 341; senior major status.

KIP 499. Comprehensive Evaluation.

Latin

Baechle, Gregory, O'Neill, Pittenger

Minor: Any four courses in Latin beyond LAT 115 or its equivalent. With the exception of courses specifically required for a student's major, no other Latin course may be counted both toward this minor and toward the student's major itself. Total of 4 minor courses.

LAT 115. Introduction to Classical Latin I. An introduction to Classical Latin and to the culture of the Romans during the Republic and under the rule of the emperors. Students will develop skills related to the study of inflected languages while working to master aspects of language-learning that are necessary for a productive treatment of Latin texts. They will also be introduced to the cultural context of Roman literature, history, and philosophy and develop a familiarity with a selection of well-known authors and some of the most admired texts in the Latin corpus.

LAT 116. Introduction to Classical Latin II. A continuation of LAT 115, completing the fundamentals of Latin grammar and leading to the first reading of unadapted Latin texts. Students will develop their reading comprehension skills in Latin and be introduced to certain basic types of reference works that Classicists typically use to aid in their reading. Emphasis is also given to the importance of the Latin language for the study of Roman civilization and history. Prerequisite: LAT 115.

LAT 217. Intermediate Latin I. After a review of the grammar and forms, the course focuses on the skills and background knowledge necessary for translating, working through, and better understanding Latin in the original, both prose and poetry. This implies not just learning more grammar and vocabulary but also learning more about how to use basic tools: dictionaries, grammars, commentaries, etc. The larger aim of the course is to help students begin finding out for themselves what they want to learn about, and by means of, the texts they translate. Prerequisite: LAT 116.

LAT 218. Intermediate Latin II. As they continue to develop the skills practiced in LAT 217, students will explore selections from Virgil's Aeneid. Working on translation will help in appreciating Vergil's poetic style. Reading both the selections in Latin and the full work in English will help in understanding the historical and literary context for the creation and reception of Vergil's poetry. Prerequisite: LAT 217. Satisfies the W2 ACE.

LAT 260. Special Topics.

LAT 307. Directed Study. .50 unit.

LAT 320. Medieval Latin. Survey of Latin language and literature from the 4th to the 14th century and of the cultures from which it arose. Prerequisite: LAT 217. Offered every third year.

LAT 321: Latin Poetry. Study of the major authors and genres of Latin poetry. The texts read may vary, depending on student interests. Course can be repeated for credit. Prerequisite: LAT 218.

LAT 324. Latin Prose. Study of the major authors and genres of Latin prose. The texts read may depend on student interests, although normally oratory will alternate with historiography or prose fiction. Course can be repeated for credit. Prerequisite: LAT 218.

LAT 360. Special Topics.

LAT 370. Directed Study.

Mathematics

Jagels, Katsov, Rodgers, Skiadas, Vaughn, Wahl

Major: Mathematics courses – 121 or equivalent; 122; 220 or 243; 221; 224; 324; 327; 461 or 471 (culminating experience); two others, not including 101, 143, 210, 212 or 217, and including at least one at the 300 level or higher. Either 220 or 243 (not both) may count toward the major.

Cognate course: CS 220.

Comprehensive evaluation, with passing grade. Total of 10 major courses, plus 1 cognate = 11.

Recommended: PHY 162, PHI 321. Candidates for secondary teaching certification in Mathematics must include MAT 339.

Minor: Mathematics courses – 121 or equivalent; 122; three others, not to include 101, 113, 210 or 212. Either 243 or 220 (not both) may count toward the minor. Total of 5 minor courses.

Mathematics Placement. In order to enroll in certain courses that require mathematics skills, students must demonstrate their readiness by completing a suitable course (possibly via transfer credit) or by adequate performance on a math placement test administered by the Mathematics Department. First-year students are expected to take the placement test prior to their LEAP registration session, and all students are able to take (and re-take) the test at any time. Math placement levels are as follows:

• **Needs Basic Math.** Note that any student who does not take the math placement test (or otherwise demonstrate his/her mathematical competency) is automatically placed at this level.

• **Ready for Precalculus.** Demonstrates competency with fundamental mathematical concepts, such as algebraic manipulation of expressions and distilling information out of word problems. This placement can be earned by an adequate score on the math placement test.

• **Ready for Calculus.** Demonstrates competency with precalculus concepts, including inequalities, functions and trigonometry. This placement can be earned by an adequate score on the math placement test.

Bypass credit opportunities: Students who are placed directly into 122, Calculus II, and who receive a grade of B or above therein, will receive credit for 121, Calculus I, upon request. Bypass credit for other courses may be awarded in special cases.

MAT 101. Basic Mathematics for Science. Students will develop mastery of basic mathematical skills and concepts, with a particular emphasis on those skills most needed for introductory science courses. Not open to students with prior credit in MAT113 or MAT121 or above. Graded pass/fail. .50 unit.

MAT 113. Essential Precalculus. A review of the precalculus topics which are essential for success in Calculus: inequalities; equations and their graphs; functions (polynomial, rational, trigonometric, exponential, and logarithmic). Includes an introduction to the concepts of limit, tangent line slope, and area beneath a curve. Does not count toward a major or minor in Mathematics. Prerequisite: MAT 101, placement at the Ready for Precalculus level, or concurrent enrollment in MAT 101.

MAT 121. Calculus I. An introduction to the theory of differential and integral calculus for functions of one variable. Includes the concepts of limit, continuity, derivatives, and indefinite integrals and definite integrals, culminating in the Fundamental Theorem of Calculus.

Applications to related rates and optimization problems. A strong background in algebra and trigonometry, or 113. Students are advised to take the departmental placement exam to assess their proficiency in algebra and trigonometry. Prerequisite: MAT 113, or placement at the Ready for Calculus level. Partially satisfies the SM CCR. Satisfies the QL ACE.

MAT 122. Calculus II. Differentiation and integration of logarithmic functions, exponential functions, and inverse trigonometric functions. Study of polar coordinates, conic sections, and various integration techniques. Applications to computations of volumes, surface areas, and centers of mass. Prerequisite: 121 or equivalent college course, or placement via departmental placement test. Partially satisfies the SM CCR. Satisfies the QL ACE.

MAT 160. Special Topics.

MAT 210. Mathematics: Topics for the Liberal Arts. Non-technical introduction to selected concepts of modern mathematics (such as logic, set theory, axiomatic systems, non-Euclidean geometry, number theory, graph theory, etc.) that illustrate the nature of mathematics and its connections to other areas of knowledge. Does not count toward major or minor. Partially satisfies the SM CCR. Satisfies the QL ACE.

MAT 212. Mathematics for Elementary School Teachers. A study of mathematical concepts that are taught in elementary school, including problem solving, sets, numbers, and their properties, operations on sets and numbers, geometry, measurements, probability and statistics. Includes a brief introduction to computer science and coding concepts. Partially satisfies the SM CCR. Does not count toward a major or minor in math. Prerequisite: EDU 221.

MAT 217. Applied Statistics. Use of graphs and numerical summaries to describe data from individual variables and to investigate relationships among variables. Design of statistical experiments. Survey of fundamental concepts of probability, including sampling distributions. Use of sample data to estimate, and to test hypotheses about, unknown parameters. Partially satisfies the SM CCR. Satisfies the QL ACE. SDoes not count toward major. No prerequisites.

MAT 220. Logic, Sets and Relations. An introduction to the foundations of mathematics, with emphasis on developing basic reasoning skills needed for constructing proofs. Required for major. Counts toward minor but not in addition to MAT 243. Partially satisfies the SM CCR.

MAT 221. Calculus III. Differentiation and integration of vector-valued functions. Study of functions of several variables, including partial derivatives and multiple integrals. Detailed study of infinite sequences and series. Prerequisite: 122 or equivalent.

MAT 224. Linear Algebra. Systems of linear equations and their solutions. Study of the algebraic properties and applications of vectors, matrices, and linear transformations. Prerequisite: 121.

MAT 231. Differential Equations. Survey of basic techniques for describing dynamical systems by means of equations involving derivatives of functions, and of methods for finding functions which satisfy these equations. Prerequisite: 122.

MAT 243. Discrete Mathematics I. A survey of the math topics which are foundational to computer science: functions, relations, sets, basic logic, proof techniques, combinatorics, graphs and trees, discrete probability. Prerequisite: MAT 101, MAT 113, MAT 121 (or above), or placement at the Ready for Precalculus level or above, or concurrent enrollment in MAT 101. Counts toward minor but not in addition to MAT 220. Partially satisfies the SM CCR.

MAT 260. Special Topics.

MAT 307. Directed Study. .50 unit.

MAT 311. History of Mathematics. Survey of important discoveries in mathematics and the historical contexts in which they were made. Topics will include major mathematical

developments beginning with the Ancient Greeks and tracing the development through Hindu, Arabic and European mathematics up to the modern developments of the 20th century. Prerequisite: 121 or permission.

MAT 320. Introduction to Number Theory. Explores properties of the integers such as divisibility and congruence, linear diophantine equations, prime numbers, the Fundamental Theorem of Arithmetic, Fermat's little theorem, Euler's Theorem, Euler's phi function, computing powers and roots in modular arithmetic, and public key cryptography. Prerequisite: MAT 243 or 220.

MAT 321. Introduction to Real Analysis. Development of the algebraic and topological properties of the real number system and the theoretical foundations of differential and integral calculus. Prerequisite: 221. Strongly recommended for students considering post-graduate study in mathematics.

MAT 323. Introduction to Complex Analysis. Study of complex numbers and functions of a complex variable. Topics include algebra and geometry of the complex plane, derivatives, integrals, power series, Laurent series, and residue theory. Prerequisite: 221 or permission. Recommended for students considering graduate study in mathematics.

MAT 324. Algebraic Systems. Study of concepts abstracted from algebraic properties of the classical number systems, including groups, rings, fields, order relations, and equivalence relations. Prerequisite: 220 or 243.

MAT 327. Probability and Statistics. Calculus-based survey, including axioms of probability, discrete and continuous random variables, standard probability functions (binomial, normal, Poisson, etc.), mathematical expectation, generating functions, and a brief introduction to estimation and hypothesis testing. Prerequisite: 122.

MAT 339. Foundations of Geometry. Survey of ancient, classical and modern views regarding the nature of space, the description of spatial structures and the organization of facts about space into deductive theories. Prerequisite: 121.

MAT 343. Discrete Mathematics II. Continues the discussion of discrete mathematics introduced in MAT 243. Topics include predicate logic, recurrence relations, graphs, trees, matrices, computational complexity, elementary computability and discrete probability. Prerequisite: 243 or 220.

MAT 357. Internship. Off-campus supervised experience in mathematics.

MAT 359. Introduction to Topology. Study of concepts, growing out of and underlying geometry and calculus, which have become important in physics, chemistry, logic, and computer science. Careful development of abstract notions such as topological spaces, continuity, topological equivalence, connectedness, and dimension, and related philosophical and historical matters in mathematics and liberal arts generally. Prerequisite: 121.

MAT 360. Special Topics. Topics may be drawn from analysis with complex variables, introduction to functional analysis, category theory, mathematical logic and model theory, recursive function theory, topology, universal algebra, or other areas.

MAT 370. Directed Study. Individual study of topics such as those listed under 360.

MAT 434. Rings and Fields. Selected topics, including rings, subrings, integral domains, fields, ideals, quotient rings, ring homomorphisms, polynomial rings, extension fields, finite fields. Prerequisite: 324. Recommended for students considering graduate study in mathematics.

MAT 437. Topics in Probability and Statistics. Content varies. Prerequisite: 327.

MAT 461. Advanced Seminar. Student-led inquiry/research in an area of mathematics such as real or complex analysis, topology, algebra, etc. Content varies. May be repeated for credit.

Prerequisite: Open to junior and senior math majors.

MAT 471. Senior Thesis.

MAT 499. Comprehensive Evaluation.

Medieval-Renaissance Studies

D. Battles, P. Battles.

The Medieval-Renaissance Studies major is an interdepartmental major focusing the student's attention on the Middle Ages, the Renaissance, and their classical antecedents. Students wishing to declare this major must have their major programs approved by the Medieval-Renaissance Committee before entering the junior year; subsequent changes in major programs must also be approved by the Committee.

Major: PHI 225 or 226; HIS 215, plus another from HIS 243, HIS 244, HIS 254, HIS 256, HIS 326, HIS 327, HIS 359, or CLA/HIS 252; any two of the following, in two different languages, ENG 327, ENG 334, ENG 347, ENG/THR 348, FRE 423, LAT 320, SPA 336, or SPA 436 ; 471 (culminating experience); five other courses drawn from the list below.

We encourage students to petition SAAC with other courses, including special topics courses, substantially related to medieval or renaissance art, history, literature, music, philosophy, or other disciplines. Comprehensive evaluation, with passing grade. Total of 11 major courses.

Minor: HIS 215; one from ENG 327, ENG 334, ENG 347, ENG/THR 348, FRE 423, LAT 320, SPA 336, SPA 436; and three others drawn from the list below. Total of five minor courses.

Classics

CLA 252 Roman History (identical to HIS 252)

History

HIS 215 The West: Ancient to Medieval

HIS 243 Tudor and Stuart England

HIS 244 Studies in Early Modern Europe

HIS 252 Roman History (identical to CLA 252)

HIS 254: The Crusades

HIS 256: The Vikings

HIS 326: High and Later Middle Ages

HIS 327: Renaissance and Reformation

HIS 359: Medieval and Renaissance Florence

Literature

ENG 218 Viking Myths and Legends

ENG 243 Early Literature

ENG 244 Survey of Medieval English Literature

ENG 245 Survey of Renaissance and Restoration

Literature

ENG 327 Arthurian Literature

ENG 334 Shakespeare

ENG 347 Chaucer

ENG 348 Shakespeare in England (identical to THR 348)

ENG 350 Florence in the Age of Dante and Petrarch

FRE 423 French Middle Ages and 16th-Century Literature

LAT 320 Medieval Latin

SPA 336. Medieval & Golden Age Spain

SPA 436. Adv. Medieval & Golden Age Spain.

Music

MUS 231 History of Music I

Philosophy

PHI 225 Classical Greek Philosophy

PHI 226 Medieval Philosophy

Theatre

THR 348 Shakespeare in England (identical to ENG 348)

Theology

THS 341 Early Christianity in Italy

MRS 471. Senior Thesis. Must be approved by the Medieval-Renaissance Studies Committee and involve faculty advisors from at least two departments.

MRS 499. Comprehensive Evaluation.

Modern Languages and Culture

Buckwalter-Arias, Kirkland, Reynolds, Rodriguez Villar, Santa Cruz, A. Smith, Zullo

ML 120. Studies in Language. A review of the elementary structures of a language not regularly offered at Hanover College. Must have completed the World Languages and Cultures CCR or have permission of instructor. May not be repeated for credit.

ML160. Special Topics.

ML 161. Latin American Cinema. This course will examine visual representations of modernity in Latin America vis-á-vis the hegemonic norms of U.S. mainstream cinema. Partially satisfies the HS CCR. Satisfies the CP ACE. Offered alternate years.

ML 260. Special Topics

ML 370. Directed Study.

ML 460. Special Topics.

Music

Batchvarova, Mruzek.

Major: Music courses – 121; 122; 221; 231; 232; 233; 471 (culminating experience); three others from 218, 325, one course credit in major applied area, or one course credit in ensembles. Total of 10 major courses.

Applied music – Six to eight terms of applied registration in one major area. A minimum of

four terms applied registration in no more than two minor areas is also required: with voice or instrumental emphasis, a piano proficiency; with keyboard emphasis, another keyboard instrument, orchestral instrument, or voice.

Ensemble music – six to eight terms of registration.

Comprehensive evaluation (oral, aural, and written), with grade of C- or better.

All prospective music majors must pass an audition in their principal applied area of performance for the Department of Music faculty prior to formal declaration of the major.

Minor: Music courses – 112; 121; 122; 221; 231; 232; 233.

Applied music – At least four terms of registration in one applied area. Total of 7 minor courses.

Ensemble music – At least four terms of registration.

MUS 112. Introduction to Music. This is a study of great musical works throughout history and the forces that directly influence composers and their compositions. Elements of music are covered early in the course. Music reading skills not required. Partially satisfies the LA CCR. Satisfies the W1 ACE.

MUS 121. Music Theory I: Fundamentals. Rudiments of music are covered in the course. This includes music notation, scales, intervals, triads, cadences, etc. Music reading skills not required. Satisfies the QL ACE.

MUS 122. Theory and Aural Skills II. Diatonic harmony, including analysis and partwriting. Sight singing and ear training correlated with rhythmic, melodic, and harmonic activity in the course. Prerequisite: 121.

MUS 160. Special Topics.

MUS 218. American Music. A study of American music from the colonial era to the present day with emphasis on American idioms. Music reading skills not required. Partially satisfies the LA CCR.

MUS 221. Theory and Aural Skills III. Chromatic harmony, including analysis and part-writing. Sight singing and ear training correlated with rhythmic, melodic, and harmonic activity in the course. Prerequisite: 122.

MUS 231. History of Music I. A study of musical style from the Greeks through the Renaissance as evidenced in theoretical documents and works of major composers. Music reading skills not required. Partially satisfies the LA CCR.

MUS 232. History of Music II. A continuation of History of Music I, beginning with stylistic trends of the late 16th century and continuing through the 19th century Romanticism. Prerequisite: 231.

MUS 233. History of Music III. A continuation of History of Music II, beginning with Impressionism and continuing with a study of 20th-century idioms and composers. Prerequisite: 232.

MUS 260. Special Topics.

MUS 307. Directed Study. Individualized work in selected area or areas under supervision of departmental faculty. .50 unit.

MUS 325. Conducting and Literature. Techniques in simple and complex rhythms, including score reading, practical experience with ensembles, study of forms and styles. Music reading skills required. Partially satisfies the LA CCR. Satisfies the S ACE.

MUS 357. Internship. Supervised experience in music.

MUS 360. Special Topics.

MUS 370. Directed Study. Individualized work in selected area or areas under supervision of departmental faculty.

MUS 471. Senior Thesis. Full Senior Recital in the major applied area.

MUS 499. Comprehensive Evaluation.

Applied Music

Individual applied instruction is open to all students. A total of one unit may be applied toward the major. Additional units may be applied as an elective. Applied music students will be charged an individual fee for each course.

MUS 003. Applied Music. By permission of instructor only. Fee Charged.

MUS 071. Piano. By permission of instructor only. Development of individual skills and their application dependent upon student's specific goals. .25 unit. A total of 1 unit of applied music taken for academic credit partially satisfies the LA CCR. Fee Charged.

MUS 073. Voice. By permission of instructor only. Development of proper vocal technique and breath control with focus on student's background and goals. .25 unit. A total of 1 unit of applied music taken for academic credit partially satisfies the LA CCR. Fee Charged.

MUS 074. Instrument. By permission of instructor only. Learning proper practice methods, building technique, acquiring sufficient repertoire, and gaining broad knowledge of literature and composers for the respective instrument. .25 unit. A total of 1 unit of applied music taken for academic credit partially satisfies the LA CCR. Fee Charged.

MUS 301. Advanced Piano. Prerequisite: 071 or permission. .50 unit. A total of 1 unit of applied music taken for academic credit partially satisfies the LA CCR. Fee Charged.

MUS 303. Advanced Voice. Prerequisite: 073 or permission. .50 unit. A total of 1 unit of applied music taken for academic credit partially satisfies the LA CCR. Fee Charged.

MUS 304. Advanced Instrument. Prerequisite: 074 or permission. .50 unit. A total of 1 unit of applied music taken for academic credit partially satisfies the LA CCR. Fee Charged.

Ensemble Music

Ensemble instruction is open to all students. Units may be applied as an elective.

MUS 001. Instrumental Ensemble. By permission of instructor only.

MUS 002. Choral Ensemble. By permission of instructor only.

MUS 101. Concert Band. Performance of classic band repertoire as well as transcriptions, arrangements, and contemporary works. Open to all students with instructor's permission. .25 unit. A total of 1 unit of ensemble music taken for academic credit partially satisfies the LA CCR.

MUS 102. College Choir. Performance of literature representing all stylistic periods. Open to all students with instructor's permission. .25 unit. A total of 1 unit of ensemble music taken for academic credit partially satisfies the LA CCR.

MUS 103. Chamber Singers. Repertoire performed primarily Renaissance and 20th century, although not limited to these styles. Membership by audition from membership in College Choir. .25 unit. A total of 1 unit of ensemble music taken for academic credit partially satisfies the LA CCR.

MUS 104. Chamber Orchestra. Performance of music from all periods. Frequently combines

with selected wind and percussion players to perform works for a larger ensemble. Open to all students with instructor's permission. .25 unit. A total of 1 unit of ensemble music taken for academic credit partially satisfies the LA CCR.

Philosophy

Bates, Carrell, K. Johnson, Shen

Major: Philosophy courses– 224; 225; 321; 222, 244, 246, 247 or 322; 351; 457 or 471 (culminating experience); any three other philosophy courses with no more than one at the 100 level.

Comprehensive evaluation, with a grade of C or better. Total of 9 major courses.

Minor: Philosophy courses – any five, not including 100-level courses. Recommended: 224 and 225. Total of 5 minor courses.

PHI 160. Special Topics.

PHI 161. Philosophy and the Human Condition. Central issues in philosophy will be raised by asking what is a human being? What does it mean to be human? Various answers to these questions and the philosophical frameworks that support them will be examined. Satisfies the PP CCR.

PHI 163. Philosophical Issues and Classic Texts. Study of central issues in philosophy through an examination of classic philosophical texts such as Plato's Symposium, Aristotles' Nicomachean Ethics, and Kant's Critique of Pure Reason. An examination of these texts will allow students to study and to analyze several clearly developed and well-known philosophical perspectives. Satisfies the PP CCR.

PHI 164. Philosophical Perspectives on Nature. Study of central issues in philosophy through an examination of various concepts of nature, such as those found in Bacon, Thoreau, and Homes Ralston. Each concept of nature says something different not just about the natural world, but also about what it means to be human, and what our relationship with and responsibility for the natural world should be. Satisfies the PP CCR.

PHI 165. Philosophy and Ethics. Focuses on topics and texts of ethics and raises questions everyone struggles with throughout life. What is the good life? What does it mean to be a good person? How do we know what the good is? What is the nature of the good? Satisfies the PP CCR. Satisfies the S ACE.

PHI 166. Reason and Belief. In this course, students will develop basic skills in evaluating arguments. These skills include (but are not limited to) recognizing different kinds of arguments, knowing how to evaluate the strength of an argument according to its kind, and identifying some common mistakes in reasoning. Satisfies the PP CCR.

PHI 167. Foundational Issues in Philosophy. Addresses some of the fundamental issues in philosophy. Students critically reflect on various metaphysical, epistemological, and ethical positions and identify the one they find most reasonable. At the end of the course, they will bring together their positions and construct a coherent philosophical position. Satisfies the PP CCR.

PHI 211. Classic Texts of Feminism. Introduction to feminism and survey of concepts of woman/human in Western philosophy. Examines classic and contemporary texts to understand current theories and practices in various areas. Offered alternate years. Satisfies the PP CCR.

PHI 212. Ethics and Commerce. This course will explore the application of ethical theory to issues and cases that arise in connection with commercial activity. Identical to BSP 212. Satisfies the PP CCR.

PHI 213. Bioethics. An examination of fundamental moral issues that arise in medicine, healthcare, and biomedical technology, with an emphasis on applied philosophical analysis and reflection. Of special relevance to students considering health related careers. Sophomore standing.

PHI 221. Philosophy of Religion. Analysis of basic concepts and beliefs of Biblical religion and in the empirical study of all religions (e.g., myth, the sacred, ritual). Offered alternate years.

PHI 222. Classical Indian Philosophy. An examination of Indian Hindu and Buddhist philosophy, dealing with topics in ontology, the nature of self, ethics, and epistemology. Satisfies the PP CCR.

PHI 224. Modern Philosophy. Developments from 17th-century rationalism and empiricism to the beginning of the 20th century. Satisfies the PP CCR. Prerequisite: Sophomore standing or 100-level Philosophy course.

PHI 225. Classical Greek Philosophy. An overview of Western philosophy from the presocratics through the Hellenistic era. Focus on close reading of major texts. Satisfies the S ACE. Satisfies the PP CCR.

PHI 226. Medieval Philosophy. A survey of Western philosophy from St. Augustine to Nicholas of Cusa. Focus on the development of Christian philosophy. Identical to CLA 226. Satisfies the PP CCR.

PHI 232. Existentialism. Explores such topics as freedom, responsibility, God, and human being in the world in writers from Kierkegaard to Sartre. Offered alternate years. Satisfies the PP CCR.

PHI 234. Rational Choices. A course in making rational decisions, comprising the study of decision theory, game theory and social choice theory. A survey of basic principles and their application. Identical to ECO 234. Partially satisfies the SM CCR. Satisfies the QL ACE.

PHI 236. Contemporary Political Thought. An examination of major political theorists of the recent past. Identical to PLS 236.

PHI 237. Ethics: Theory and Practice. An exploration of major issues in ethical theory and primary texts. Includes a focus on at least one area of applied ethics (e.g. social justice or environmental ethics.) Satisfies the PP CCR.

PHI 240. Philosophy and Tai Ji. An exploration of the significance of Asian philosophical concepts for the theory and practice of Tai Ji. There will be a significant physical component. May be repeated for credit. Satisfies the PP CCR. Satisfies the CP ACE. Prerequisite: Sophomore standing or 100-level Philosophy course.

PHI 241. Prana, Qi and Ki. A theoretical and experiential introduction to traditional Asian theories and models of the nature, embodiment, and healing significance of universal life energy. Study classic texts from India, China and Japan. Learn related basic energetic practices, including Tai Chi, Zhineng Qi Gong, and Reiki. Satisfies the S ACE. Spring Term. Fee Charged.

PHI 242. Daoism and Cooking. A combination of a study of Taoistic principles with the practice of Chinese cooking. An initial examination of Taoism as a philosophy. A later application to healthy cooking and eating based on Taoist philosophy. Satisfies the PP CCR. Satisfies the CP ACE. Prerequisite: Sophomore standing or 100-level Philosophy course. Spring Term. Fee Charged.

PHI 244. Daoism and Chan Buddhism. A study of Taoism and Zen Buddhism. Principal focus on Lao Tzu, Chuang Tzu, the Koans and Suzuki. Some attention given to the historical development of Zen Buddhism out of Chinese Chan and Taoism. Lectures, readings in original texts, classroom discussion, videos and films. Satisfies the PP CCR. Satisfies the CP ACE. Prerequisite: Sophomore standing or 100-level Philosophy course. Fee charged.

PHI 246. The Logic of Daoism. An investigation into the central features of the logic of classical Chinese Daoist thinking. A consideration of the relation between the conditions of language and the conditions of thought. Satisfies the PP CCR. Satisfies the CP ACE. Prerequisite: Sophomore standing or 100-level Philosophy course.

PHI 247. Wisdom Traditions of Ancient China. A survey of the wisdom traditions of ancient China, including Sunzi, Confucianism, Daoism, Legalism and Mohism. Prerequisite: Sophomore standing or 100-level philosophy course. Partially satisfies the LA CCR. Satisfies the CP ACE. Not open to students with prior credit in 322.

PHI 260. Special Topics.

PHI 264. Environmental Philosophy. An exploration of a variety of different environmental philosophies, focusing on the human/nature relationship, on specific environmental issues and their possible solutions, and on our individual and collective responsibility relative to the environment. Satisfies the PP CCR. Prerequisite: Sophomore standing or a 100-level Philosophy course.

PHI 307. Directed Study. .50 unit.

PHI 321. Formal Logic. A course in formal logic with emphasis on translations, formal semantics and derivations for first-order logic through multiple quantification and identity. Partially satisfies the SM CCR. Satisfies the QL ACE. SPrerequisite: Sophomore standing or above.

PHI 322. Classical Chinese Philosophy. A survey of Classical Chinese philosophy, including Confucius, Lao-tzu, Chuang-tzu, Mo-tzu, Mencius, and the Legalists, as well as a detailed examination of the I-Ching. Not open to students with prior credit in 247.

PHI 325. Contemporary Continental Philosophy. An exploration of different trends in continental philosophy such as phenomenology, existentialism, structuralism and deconstructionism.

PHI 333. Philosophy of Science. Major themes in scientific methodology, including intensive investigation of scientific explanation, concept formation, theory construction and confirmation. Offered alternate years.

PHI 334. Philosophy of Mind. A course in philosophy of mind, focusing on philosophical problems connected to the nature of mentality. An overview of central issues in recent philosophy of mind and an in-depth treatment of a special topic. Topics alternate in different years. May be repeated for credit.

PHI 335. Epistemology. A course in the theory of knowledge, treating the nature, value and limits of human knowledge. An overview of central issues in recent epistemology and an in-depth treatment of a special topic. Topics alternate in different years. May be repeated for credit.

PHI 337. Utopias and Intentional Communities. History and theory of intentional communities: includes field-study of monasteries, Amish, and several communes. Offered Spring Term. Fee Charged.

PHI 338. The History of Political Thought. An examination of representative political theorists from Plato to Marx. Identical to PLS 235. Satisfies the W2 ACE. Prerequisite: PLS 115, 117, 118, or 161.

PHI 351. Philosophy Seminar. A forum in which students develop skills in philosophical inquiry (careful reading of texts, critical writing, and intellectual dialogue), learn how to develop a thesis proposal and prepare for Comprehensive Exams, and begin to integrate their philosophical studies. Prerequisite: philosophy major or minor. May be taken junior or senior year. Satisfies the S ACE.

PHI 357. Internship. Off-campus supervised experience in philosophy.

PHI 360. Special Topics.

PHI 370. Directed Study.

PHI 457. Internship.

PHI 471. Senior Thesis. Prerequisite: Consent of instructor.

PHI 499. Comprehensive Evaluation.

Physics

Pantelidis, Robison.

Major: Physics courses: — 162; 186; 225; 245; 320; 331; 332; 340; two terms of 301; either 408-409 or 471 (culminating experience).

Cognate courses: MAT 121; MAT 122.

Comprehensive evaluation (written and oral). Total of 9.5 major units plus 2 cognates = 11.5 units

Highly recommended: CS 220.

Note: Late-entry physics students can petition to SAAC to substitute 161 and 185 for 162 and 186 respectively.

Minor: Physics courses – Any five other than PHY 226

Cognate courses: MAT 121 and 122. Total of 5, plus 2 cognates = 7.

By-pass credit opportunities: Students who are placed directly into 185 (algebra-based General Physics II), and who receive a grade B or above therein, will receive credit for 161, General Physics I, upon request. Students who are placed directly into 186 (calculus-based Introductory Electromagnetism), and who receive a grade B or above therein, will receive credit for 162, Introductory Mechanics, upon request.

PHY 161. General Physics I. Algebra-based introduction to classical mechanics. Topics include the character of science, measurement, kinematics, Newton's laws, gravitation, work and energy, momentum, rigid body motion, equilibrium, elasticity and fracture, fluid mechanics, and oscillations. A strong background in algebra, geometry, and trigonometry is essential. Lecture and laboratory. Prerequisite: MAT 101, MAT 113, MAT 121 (or above), placement at the Ready for Precalculus level or above, or concurrent enrollment in MAT 101. Satisfies the SL CCR. Partially satisfies the SM CCR. Satisfies the QL ACE. Not open to students with prior credit in PHY 162 or equivalent. Fee charged.

PHY 162. Introductory Mechanics. Calculus-based introduction to classical mechanics. Topics include the character of science, measurement, kinematics, Newton's laws, work and energy, momentum, rigid body motion, equilibrium and elasticity, gravitation, oscillations, mechanical waves, and acoustics. Knowledge or concurrent study of single-variable calculus is expected. Lecture and laboratory. Prerequisite: MAT121 (or above) or concurrent enrollment in MAT 121. Satisfies the SL CCR. Partially satisfies the SM CCR. Satisfies the QL ACE. Not open to students with prior credit in PHY 161 or equivalent. Fee charged.

PHY 185. General Physics II. Algebra-based introduction to electricity, magnetism, waves, and light. Topics include electrostatics, electric currents and circuits, magnetostatics, electromagnetic induction, waves, sound, electromagnetic waves, and geometric and physical optics. Lecture and laboratory. Prerequisite: 161 or 162. Satisfies the SL CCR. Partially satisfies the SM CCR. Satisfies the QL ACE. Not open to students with prior credit in PHY 186 or equivalent. Fee charged.

PHY 186. Introductory Electromagnetism. Calculus-based introduction to electricity, magnetism, and light. Topics include electrostatics, electric currents and circuits, magnetostatics, electromagnetic induction, inductance, alternating current, electromagnetic waves, light propagation, geometric optics, interference, and diffraction. Knowledge of single-variable calculus is expected. Lecture and laboratory. Prerequisite: 162, or both 161 and MAT 121 or equivalent. Satisfies the SL CCR. Partially satisfies the SM CCR. Satisfies the QL ACE. Not open to students with prior credit in PHY 185 or equivalent. Fee charged.

PHY 225. Modern Physics. Introduction to relativity and quantum mechanics. Applications in atomic, nuclear, and particle physics, astrophysics and cosmology. Prerequisite: 186.

PHY 226. From Ancient Thought to Modern Science. The beginnings of science and the evolution of scientific ideas, with philosophical perspectives, from the Babylonians and pre-Socratics through the Hellenistic years, to medieval times, to the Scientific Revolution and beyond. Emphasis is placed upon the role of developments in natural philosophy, which was the precursor of classical and modern physics. Partially satisfies the HS CCR.

PHY 245. Mathematical Methods. Selected topics on calculus, probability, linear algebra, and differential equations geared toward application: rudiments of series and multivariable differentiation and integration; random variable, discrete and continuous probability distributions; linear spaces, eigenvalue problems; ordinary differential equations, Fourier analysis, separation of variables method in partial differential equations. Prerequisite: MAT 122.

PHY 301. Physics Seminar. Weekly discussion of current topics in physics based on student presentations of approved scientific articles or small-scale experiments. Articles may be selected to prepare students for Senior Theses. Open to junior and senior majors and minors in physics. May be repeated for credit. .25 unit.

PHY 320 Fluids and Thermal Physics. Introduction to fluid mechanics, temperature and heat, kinetic theory, the laws of thermodynamics with applications, phase space probability distribution and approach to equilibrium, equilibrium ensembles. Prerequisite: 186.

PHY 331. Classical Mechanics. Newton's laws, projectiles and charged particles, momentum, angular momentum, energy, oscillations, introduction to rigid body motion, Lagrangian formulation. Prerequisite: 161.

PHY 332 Electromagnetic Theory. Electrostatics, electric currents, magnetostatics, electromagnetic induction, Maxwell's equations, conservation laws, electromagnetic waves. Prerequisite: 186.

PHY 340. Optics. Theoretical and experimental study of the properties of light: wave motion, propagation of light in media, geometrical optics, polarization, interference, diffraction, Fourier optics and coherence theory. Prerequisite:186.

PHY 341. Advanced Physics Laboratory. Experiments in upper-level physics topics requiring measurement using optical, mechanical and electrical devices; report writing including standard methodologies and techniques in data handling, analysis and display. Offered alternate years. Prerequisite: PHY 225. Satisfies the W2 ACE. Fee Charged.

PHY 357. Internship. Off-campus supervised experience in physics.

PHY 360. Special Topics.

PHY 370. Directed Study.

PHY 408, 409. Senior Thesis. A two-semester equivalent of 471. .50 unit each.

PHY 432. Quantum Mechanics. Hilbert space, wave function and the Schrodinger equation, 1-dimensional problems, states and operators, the postulates of quantum mechanics, angular momentum and spin, quantization, uncertainty, central potentials and the Hydrogen atom, motion in an electromagnetic field. Prerequisite: 225.

PHY 433. Advanced Quantum Mechanics. Approximation methods, several-electron atoms, Zeeman effect, Stark effect, molecules, time-dependent phenomena, central potential, scattering theory, supersymmetric quantum theory, state and measurement in quantum mechanics. Prerequisite: 432.

PHY 471. Senior Thesis.

PHY 499. Comprehensive Evaluation.

Political Science

Kubik, R. Smith, Yoon

Major: A 100-level Political Science course except PLS 160; 235; 239; 461 (culminating experience); five others with at least three courses at the 300 level.

Cognate: MAT 217.

Comprehensive evaluation, with passing grade.

Total of 9 major courses + 1 cognate = 10 courses

Minor: A 100-level Political Science course except PLS 160; 239; any three others. Total of 5 minor courses. Minors may, if desired, emphasize American Politics, International Politics, or Political Thought.

PLS 118. Comparative Politics. A survey of one of the major subfields of the discipline focusing on fundamental concepts explored in cross-national comparisons. Includes a substantial political economy component.

PLS 160. Special Topics.

PLS 161. Democracy. A survey of the ideas, institutions and controversies of political science. Special emphasis is given in this course to the example of the United States. Partially satisfies the HS CCR. Not open to students with prior credit in 115.

PLS 162. Modern Politics: Power and Ideas. Examination of the political and economic ideologies of the modern West. Topics include democracy, capitalism, imperialism, nationalism, socialism and communism. Partially satisfies the HS CCR.

PLS 163. Politics, Society and Film. Explores modern social institutions, cultural controversies, and theories of politics as portrayed in movies and documentaries. Additional focus on the use of film as a political tool. Partially satisfies the HS CCR. P

PLS 164. Community, Environment and Politics. Exploration of citizen actions through study of non-profit work to protect local environment. Includes service learning components. Partially satisfies the HS CCR. Fee Charged.

PLS 212. American Foreign Policy. Examines post-World War II American foreign policy and the challenges that lie ahead. Offered alternate years. Prerequisite: a 100-level Political Science course except PLS 160. Satisfies the W2 ACE.

PLS 213. Introduction to Public Policy. An introduction to the tools of analysis and challenges inherent in public policy formation. Cost benefit analysis and game theory are introduced as ways of understanding issues related to the environment, poverty, law, and freedom. Prerequisite: a 100-level Political Science course except PLS 160. Fulfills an elective requirement for the major.

PLS 215. American Political Thought. Analysis of political thought from Puritans to present period.

PLS 217. Latin American Politics. Current Latin American politics studied within its historical, cultural, and international contexts. Prerequisite: a 100-level Political Science course except PLS 160.

PLS 218. European Politics. An examination of the governmental process in the major European countries of Britain, France, and Germany, including frequent comparisons to American politics. Prerequisite: a 100-level Political Science course except PLS 160.

PLS 219. Middle Eastern Politics. An examination of the political systems of the Middle East, including the role of Islam and the Arab-Israeli conflict. Prerequisite: a 100-level Political Science course except PLS 160. Partially satisfies the HS CCR. Satisfies the W2 ACE. Satisfies the CP ACE.

PLS 222. U.S. Legislative Process. An examination of the Congress and the state legislatures in their governmental and political contexts. Prerequisite: a 100-level Political Science course except PLS 160.

PLS 225. Women in the Developing World. Examines the effects of gender inequality in education, health, culture, economy, media, religion, and politics on women in Africa, Asia, Latin America, and the Middle East. Partially satisfies the HS CCR. Satisfies the CP ACE.

PLS 226. Urban Politics. An examination of politics within cities, neighborhoods, and interpersonal networks, with special attention to social, human, and financial capital. Prerequisite: a 100-level Political Science course except PLS 160. Offered in alternate years.

PLS 231. World Politics. The foreign policy-making process; problems of the world community and how nations attempt to deal with them. Prerequisite: a 100-level Political Science course except PLS 160. Partially satisfies the HS CCR. Satisfies the CP ACE.

PLS 232. The Problem of Order: Law, Politics. An examination of the uses and abuses of law, and of formal vs. informal systems of order. Case studies of the "lawless" 19th century Western U.S., modern Peru, and community rules. Prerequisite: a 100-level Political Science course except PLS 160.

PLS 235. History of Political Thought. An examination of representative political theorists from Plato to Marx. Identical to PHI 338. Prerequisite: a 100-level Political Science course except PLS 160. Satisfies the W2 ACE.

PLS 236. Contemporary Political Thought. An examination of major political theorists of the recent past. Identical to PHI 236.

PLS 238. Tocqueville in America. An examination of Democracy in America, one of the most important works written about the conditions needed for democracy and the inevitable difficulties it faces. Some off-campus travel. Offered in Spring Term in alternate years.

PLS 239. Research Methods. The range of phenomena dealt with by political and other social scientists; methods of data collection and analysis. Satisfies the QL ACE

PLS 260. Special Topics.

PLS 315. Political Sociology. An examination of the sociology of power and community at the national and international levels. Identical with SOC 315. Offered alternate Fall terms. Prerequisite: a 100-level Political Science course except PLS 160 or a sociology gateway course.

PLS 320. American Political Thought, 1950 to Present. Analysis of contemporary U.S. political theory. The course will serve as an elective for non-majors. Offered Spring Term.

PLS 321. Natural Resources Policy. Application of current theories in collective action and policy formulation to evaluate various policy solutions. Case studies involving air, water, and endangered species. Prerequisite: any 100-level Political Science course except 160. Offered in alternate years.

PLS 322. Political Parties and Interest Groups. An examination of the role of political parties and interest groups in the U.S. political process, including candidate recruitment, campaign finance, and policy making. Prerequisite: a 100-level Political Science course except PLS 160.

PLS 325. Campaigns and Elections. A study of the criteria voters use in making choices in elections, and how the electoral system structures these choices. Prerequisite: a 100-level Political Science course except PLS 160.

PLS 326. Constitutional Law. An examination of the place of rights in U.S. society and the role of the courts as a constitutional contract and political institution. Prerequisite: a 100-level Political Science course except PLS 160.

PLS 327. Field Study, Washington, D.C. Interviews with governmental, interest group, and political party officials and individual research. Prerequisite: a 100-level Political Science course except PLS 160. Offered Spring Term in alternate years.

PLS 328. The Challenge of the American Founding. Examines the people, ideas, and institutions foundational to our current republic. Special emphasis is placed on the political theory of two monumental works from this time period: the Federalist Papers and Alexis de Tocqueville's Democracy in America. The tools of constitutional political economy and collective action theory are used to distill principles from the American founding that might guide future attempts to constitute a self-governing society. Prerequisite: a 100-level Political Science course except PLS 160.

PLS 331. International Law and Organizations. Origin, nature, development, structure, and functions of international law and organization. Prerequisite: a 100-level Political Science course except PLS 160. Satisfies the W2 ACE.

PLS 335. International Political Economy. An examination of the political and economic forces shaping the international system today, centering on the issue of order vs. justice at the global level and exploring topics such as the changing role of the state, trade competition, technology transfer, aid and debt, the global ecology, revolution and counter-insurgency, and the changing international security (war) system. Prerequisite: a 100-level Political Science course except PLS 160. Offered alternate years. Satisfies the W2 ACE.

PLS 337. Field Study of the United Nations, New York. Briefings and senior thesis of the handling of world issues in and through the UN. Prerequisite: a 100-level Political Science course except PLS 160.

PLS 357. Internship. Participation in the operations of a governmental or nongovernmental political agency identified by the student in consultation with the department. Offered on demand.

PLS 359. Social Movements. An examination of theories of movements of protest, reform, and revolution, and of resistance to change. Comparison and contrast of case studies, including movements such as abolition, temperance, civil rights, and environmentalism. Identical to Soc. 359. Alternate Fall Terms. Prerequisites: a 100-level Political Science course except PLS 160 or a sociology gateway course.

PLS 360. Special Topics.

PLS 370. Directed Study.

PLS 461. Senior Seminar. Discussion and writing on selected aspects of political science.

PLS 471. Senior Thesis. Supervised individual research and writing.

PLS 499. Comprehensive Evaluation.

Psychology

Collins, Dine Young, Krantz, Saczawa, Schellenberger, Snyder, Tuttle

Major: Psychology courses – 111; 220; 162 or 164, before the end of the junior year; 231, 233, or 244, before the end of the junior year; 333 or 337; 344 or 346; any other two courses; 401; 462 (culminating experience).

Cognate course – MAT 217; BIO 165 or some other Biology course with an animal emphasis. Total of 9.50 major courses, plus 2 cognates = 11.5.

Comprehensive evaluation, with passing grade.

Minor: Psychology courses – 111; 220; either 162 or 164; one of 231, 233, or 244; one of 333, 337, 344, or 346; one other psychology course. Total of 6 minor courses.

A major in psychology prepares one for immediate entry into graduate studies or applied areas. A minor allows specialized direction in conjunction with another major such as Sociology, or with teaching certification through Education.

PSY 025. Academic Service-Learning. A "linked credit" course that allows students the opportunity to (a) engage in community service and (b) reflect on that service in a way that enhances students' understanding of course content. Must be linked to a host psychology course. Prerequisites: 111 and permission of instructor. .25 unit. May be repeated for credit for a total of two terms.

PSY 111. Basic Principles of Psychology. Overview of the fundamental processes common to all areas of psychology. Partially satisfies the HS CCR.

PSY 113. Psychology and Science Fiction. Uses classic and contemporary science fiction films and literature to explore aspects of mental and social life. Will explore issues of artificial intelligence, consciousness and emotion, what it means to be human, and what happens when one is excluded from that category. May include sessions that explore an anthropological approach to this topic.

PSY 160. Special Topics. Open to first-year students only.

PSY 162. Neuropsychology. An investigation of the function of the nervous system, brain, and behavior. Includes laboratory experience. Satisfies the SL CCR. Partially satisfies the SM CCR. Prerequisite: BIO 161 or 165. Fee Charged.

PSY 164. Sensation and Perception. Investigates the basic processes by which humans gather information about the surrounding world. Considers psychophysical methods and the major senses. Includes laboratory experience. Satisfies the SL CCR. Partially satisfies the SM CCR. Fee Charged.

PSY 201. Qualitative Research Methods. Alternative research methods in psychology will be considered, including interpretive methods, phenomenology, case studies, interview studies, and naturalistic observation. Prerequisites: PSY 111 and PSY 220. .50 unit.

PSY 202. Adult Development. Examines physical, cognitive, emotional, personality, and social development from emerging adulthood until death. Prerequisite: 244. Not open to students with prior credit in PSY 346. Does not count towards the Psychology major or minor. .25 unit.

PSY 220. Research Design and Statistics. Consideration of the basic design of psychological research (experimental, correlational, survey, case study, etc.) and the analysis, interpretation and presentation of data. Prerequisites: 111 and MAT 217. Should be completed before junior year. Satisfies the QL ACE. Fee Charged.

PSY 231. Personality Theory. Examines the development, structure, and functioning of personality as formulated by various theorists. Reviews research, assessment methods, and clinical applications associated with various theories. Considers psychodynamic, humanistic, trait, and cognitive-behavioral theories. Prerequisite: 111.

PSY 233. Psychology of Gender. Examines psychological theory and research on gender. Addresses societal expectations for women and men, empirical research that supports or fails to support common beliefs about differences between the sexes, and the relationship between gender and many traditional issues in psychology (e.g., parenting, achievement and romantic relationships.) Prerequisite: PSY 111 or GNDS 111.

PSY 240. Forensic Psychology. This course examines how the theories and concepts of psychology can be applied during all stages of the legal process. Some of the topics we will examine include false confessions, interrogation practices, police decision-making, jury selection and deliberation, psychopathy, eyewitness testimony, and insanity defenses. Discussions will focus on relevant research and also on how psychological research can inform better practices and policies in the legal field. Prerequisite: 111.

PSY 243. Behavior Disorders. Consideration of the symptoms (diagnosis), antecedents (etiology), and treatment (therapy) of various forms of psychopathology, including anxiety, psychosis, personality disorders, and depression. Prerequisite: 111.

PSY 244. Childhood and Adolescence. Examines the growth and transformation of basic psychological processes from prenatal development through adolescence. Considers inborn mechanisms, physiological growth, cognitive and emotional growth, social development, personality and moral development. Prerequisite: 111.

PSY 250. Psychology of Film. Examines the psychological and rhetorical qualities of film as they apply to filmmakers, audiences, and cinematic texts. An interdisciplinary approach integrates experimental, qualitative, and interpretive research from the domains of psychology, mass communication, film studies, and literary criticism. Identical to COM 250. Prerequisite: 111 or COM 212 or COM 242.

PSY 260. Special Topics.

PSY 307. Directed Study. .50 unit.

PSY 309. Research Practicum. Offers practical experience with important research skills, and detailed knowledge of specialized topics, through participation in a faculty member's ongoing research program. Experiences may include any of: gathering and analyzing information to develop research proposals; study design; data collection; statistical analysis; written and oral presentation of results. Offered every term. Prerequisite: Permission of instructor. .25 unit. May be repeated for credit for a total of four terms.

PSY 332. Counseling and Psychotherapy. Survey of the theoretical and practical concerns involved in helping people with emotional problems, emphasizing both individual and group techniques. Includes a practicum. Prerequisites: 231 and 243. Fee Charged.

PSY 333. Cognitive Psychology. Introduction to the higher mental processes, including attention, memory, language, and problem solving. Includes laboratory components and research projects. Prerequisites: 220 and either 162 or 164. Satisfies the W2 ACE. Fee Charged.

PSY 337. Learning. Examines the basic processes of human and animal learning. Includes a laboratory component and research project. Prerequisites: 220 and either 162 or 164. Fee Charged.

PSY 344. Social Psychology. A general examination of how individuals are influenced by the real or imagined presence of other people. Topics include: the self, social perception, stereotyping and prejudice, attitudes, helping, group processes, aggression, and others. Includes empirical and application-oriented projects. Includes laboratory component. Prerequisite: 220. Satisfies the W2 ACE. Fee Charged.

PSY 346. Adulthood and Aging. Examines psychological changes throughout adulthood, including physiological changes, cognitive and emotional changes, changes in social relationships, and personality. Includes coverage of developmental theories as they apply to adulthood and examines the developmental processes of aging and of death and dying. Includes laboratory component and research project. Prerequisites: 220 or KIP 341. Satisfies the W2 ACE. Fee Charged.

PSY 357. Internship.

PSY 360. Special Topics.

PSY 370. Directed Study.

PSY 401. Advanced Research. A forum for developing a sensitivity to psychological research ethics, design, and methods (including statistics). Offered Fall Term of senior year, Prerequisites: 220 and senior standing. .50 unit.

PSY 457. Internship.

PSY 462. Research Seminar. A seminar for exploring significant psychological research questions. A laboratory component is scheduled for the design and conduct of student initiated collaborative projects. Culminating Experience in Psychology. Offered Winter Term of senior year. Prerequisite: 401. Fee Charged.

PSY 471. Senior Thesis.

PSY 499. Comprehensive Evaluation.

Race and Ethnic Studies

Hadley, Patterson, Zullo

The Race and Ethnic Studies minor is an interdisciplinary minor that allows students to explore race and ethnic categories and identities on a global level. Courses in the minor may investigate relationships between and within racial and ethnic groups as well as explore the way race and ethnicity are constructed in different historical and cultural locations. Students will be encouraged to ask: How do different cultures today understand race and ethnicity? How have these categories been understood historically? How have these categories been used to mark difference and create social hierarchies? What strategies have different cultures employed to endure, negotiate, or challenge these social hierarchies? How do racial and ethnic identities affect political participation and economic circumstance and how do economic and political experiences shape understandings of race and ethnicity? Finally, how do the categories of race and ethnicity intersect with other topics such as gender, sexuality, class, and religion?

Minor: This interdisciplinary minor requires 5 of the following courses. At least four of the five courses must be at the 200-level or above, with no more than two courses in any single discipline.

We encourage students to petition SAAC with other courses, including special topics courses substantially related to race and ethnic studies.

ANTH 238: Middle East: Peoples and Cultures

ANTH 242: Northern and Western Africa: Peoples and Cultures

ANTH 311: The World of Islam

ANTH 316: Comparative Spiritual Traditions

ANTH 424: Theory in Anthropology

CLA 343: Class, Status, and Gender in Ancient Athens

ECO 223: Economics of Poverty and Discrimination

EDU 230: Instruction for Diverse Learners

ENG 325: African American Literature

FRE 161: Francophone Multiculturalism

HIS 223. American Immigration History

HIS 227: Twentieth-Century America and Your Family

HIS 325: The Holocaust

HIS 349: Nazi Germany

HIS 361: Genocide

HIS 365: History of the Middle East

PLS 219: Middle Eastern Politics

SOC 318: Race and Ethnic Relations

SOC 327: Sociology of Children and Youth

SOC 348: Race, Gender, Sexuality

SPA 219: Intermediate Spanish II: "Hispanics" in the U.S.

SPA 231: Spanish American Culture and Civilization

SPA 439: Clash of Cultures

THS 228. Race, Ethnicity, and Religion.

Sociology

Hadley, Ryle, Setchfield

Major: Sociology courses – 164; one social inequality course (228, 318, 338, or 348); 320 or PLS 239; 330; 461 or 471 (culminating experience); five others with two at the 200-level and three at the 300-level or above.

Comprehensive evaluation, with passing grade. Total of 10 major courses.

Minor: Sociology courses – 164; at least one social inequality course (228, 318, 338, or 348); any four others, not including 461 or 471. Total of 6 minor courses.

SOC 119. Globalization. Examines the process, causes, and consequences of globalization with a particular focus on such areas as the expansion of capitalism and its consequences, power and politics, poverty, changes in various kinds of inequalities such as class, race, ethnicity and gender, cultural adaptation and clash of cultures, nationalism, transnationalism, and emerging international social systems, technology, religious change and clash of religions, rising population environment factors such as pollution, depletion and storage of waste, and terrorism. Open to first-year students only. Spring Term.

SOC 160. Special Topics. Open to first-year students only.

SOC 164. Introduction to Sociology. Examines links between micro and macro (institutional, national and global) levels of social interaction and the impact of macro level social forces on our everyday lives. Topics include group influence on individuals, socialization, culture, deviance, race, class and gender inequalities; institutions and organizations, population trends, and social change. Partially satisfies the HS CCR.

SOC 216. Juvenile Delinquency. Examination of juvenile crime and the juvenile justice system. Explores the nature and extent of delinquency, theories of delinquency, empirical research on delinquency, and historical and contemporary efforts to control and prevent delinquency. Prerequisites: SOC 164 Satisfies the CP ACE.

SOC 217. Deviance and Social Control. Examines sociological approaches to deviance, with a focus on power relations and the social construction of deviance in everyday life through the exploration of various examples of deviance. Prerequisites: SOC 164.

SOC 219. Social Problems. Analysis of causes and consequences of and possible solutions to social problems. Issues include such topics as poverty, racial and gender discrimination, crime, population, environment, prostitution, pornography, sexual orientations, and problems of family and work. Prerequisite: SOC 164.

SOC 222. World Ethnographies. Examines vastly different cultures from around the world through the reading and study of ethnography—richly descriptive and analytic accounts of particular cultures.. Identical to ANTH 222. Prerequisite: ANTH 162 or SOC 164. Partially satisfies the LA CCR. Satisfies the W1 ACE. Satisfies the CP ACE.

SOC 223. Art and Social Life in Taiwan. Examines how material culture was created, viewed, and used by different people in Ancient China and modern day Taiwan through visits to museums, cultural sites, and public places in Taipei, Taiwan. Uses art historical, anthropological, and sociological perspectives to understand cultural representations and human social behaviors. Offered during spring term only. Satisfies the CP ACE. Identical to ANTH223/ARTH223. Not open to students with prior credit in these cross-listed courses.

SOC 225. Sociology of Families. Systems analysis of marriages and families; diversity of family types; mate selection processes; changing functions, structures, and roles; socio-legal issues; elements of healthy and dysfunctional families; break-up and reconstitution; and family policy. Prerequisite: SOC 164 or GNDS 111.

SOC 227. Sociology of Public Places. Applies social psychological theories to public place social interactions; introduces nonparticipant observation research methods to examine the "interaction order" created by social actors; analyzes the roles that age, gender, race, and class play in public place interactions; includes field trips to public places. Prerequisite: SOC 164. Offered Spring Term.

SOC 228. Sociology of Gender. A comparative study of gender roles. Topics include: origins of gender roles, gender role stereotypes and consequences, androgyny and gender roles, gender roles in developed and developing nations, changing patterns and the future. Prerequisite: SOC 164 or GNDS 111.

SOC 229. Environmental Sociology. Examines a sociological approach to the environment, including the social construction of nature; how inequality along the lines of race, class and gender affect the distribution of environmental impacts; and the importance of attitudes and behaviors to our interactions with the environment. Prerequisite: SOC 164.

SOC 235. Confronting Poverty in Indiana. An experiential learning course which examines poverty and addiction in a regional context. Explores religious and philosophical models of community engagement and social justice. Combines theological perspectives with sociological examinations of a regional social problem both inside and outside the classroom. Identical to THS 235. Prerequisite: Sophomore standing.

SOC 259. Immigration and Transnationalism. Examines how various immigrant groups negotiate cultural landscapes as previous identities conflict with present national loyalties and expectations. Also explores pan-ethnic cultural affiliations in urban America and investigates the impacts of transnational citizens on the home culture. Identical to ANTH 259. Prerequisite: ANTH 162 or SOC 164. Partially satisfies the HS CCR. Satisfies the CP ACE.

SOC 260. Special Topics.

SOC 307. Directed Study. .50 unit.

SOC 309. Research Practicum. Offers practical experience with research skills and with detailed knowledge of specialized topics through participation in a faculty member's ongoing research program. Experiences may include assistance with research design, data collection; coding, statistical analysis; qualitative data analysis, or written presentation of results. Offered every term. Prerequisite: permission of instructor. 0.50 unit. May be repeated once.

SOC 315. Political Sociology. An examination of the sociology of power and community at the national and international levels. Identical with PLS 315. Offered alternate Fall terms. Prerequisites: a 100-level Political Science course (except PLS 160) or SOC 164.

SOC 318. Race and Ethnic Relations. Historical and global perspectives on racial and ethnic group contacts and conflicts; social psychology of prejudice and discrimination; mechanisms of institutional discrimination; minority group strategies for change. Prerequisite: Either SOC 164 or ANTH 162. Satisfies the CP ACE.

SOC 319. Urban Sociology. A study of the origin and development of cities throughout the world. Offered alternate years. Prerequisite: SOC 164.

SOC 320. Research Methods and Statistics. Methods of collecting and analyzing social research data. Emphasis on student research participation. Prerequisite: SOC 164.

SOC 327. Sociology of Children and Youth. Examines sociological approaches to the study of children and youth; analyzes children's own lives shaped by gender, race, and class; requires field research at a community partner site to complete ethnographic research project. Prerequisite: SOC 164. Satisfies the CP ACE.

SOC 328. Sociology of Mental Health. Examines the topic of mental health and mental illness from critical sociological perspectives, with a focus on the social construction of mental illness in American society. Prerequisites: SOC 164.

SOC 330. Sociological Theory. Historical review, major theorists, major theories, sociological theory today and its application to modern society. Prerequisite: SOC 164.

SOC 333. The Self and Social Interaction. Investigation of the self in social context. Explores processes of interaction and interpersonal influence, social boundaries, and social and institutional impacts on individuals. Prerequisite: SOC 164. Satisfies the CP ACE.

SOC 334. Sociology of Sport. Sociological theories and concepts are applied in analyzing how sport affects society and how society affects sport. Offered alternate years. Prerequisite: SOC 164.

SOC 336. Crime and Corrections. An examination of the criminal justice system; nature and extent of crime; past and present practices used to control crime and deal with criminals. Prerequisite: SOC 164. Satisfies the CP ACE.

SOC 338. Social Class and Inequality. A study of the causes and consequences of inequality domestically and internationally and predictions for the future. Prerequisite: SOC 164.

SOC 348. Race, Gender and Sexuality. A study of theories of intersectionality as they apply to race, gender and sexuality. Prerequisite: SOC 164. Satisfies the CP ACE.

SOC 349. Social Change. Causes and consequences of social change in the United States and at the global level. Topics include: globalization, deindustrialization, technology, population, environment, social movements, revolution, sociological theory, and intentional and unintentional social change. Offered alternate years. Prerequisite: SOC 164.

SOC 357. Internship. Off-campus supervised field experience of a sociological nature, arranged by the student and subject to the approval of an instructor. Prerequisites: Four sociology courses.

SOC 359. Social Movements. An examination of theories of movements of protest, reform, and revolution, and of resistance to change. Comparison and contrast of case studies, including

movements such as abolition, temperance, civil rights, and environmentalism. Identical to PLS 359. Offered alternate Fall Terms. Prerequisites: a 100-level Political Science course (except PLS 160) or SOC 164.

SOC 360. Special Topics. Coverage of sociological topics not included in the regular curriculum.

SOC 370. Directed Study. Individual study with a professor on a particular sociological topic, which is agreed to by both the student and professor.

SOC 461. Senior Seminar. A comprehensive, linking analysis of the major areas of Sociology as well as an introduction to new areas of sociological concern. Prerequisites: SOC 164, 320, 330, and senior major status.

SOC 471. Senior Thesis. Scientific research methods and techniques applied to study of social phenomena. Prerequisites: 320, 330, 333 and senior standing.

SOC 499. Comprehensive Evaluation.

Spanish

Buckwalter-Arias, Reynolds, Rodriguez Villar, Santa Cruz, Zullo

The study of Spanish begins with a two-semester sequence depending on the student's previous experience with the language. Students with more than one year of high school foreign language experience and who wish to continue that same language at Hanover MUST take the placement test administered by the Department of Modern Languages and Culture before enrolling in a language course. Students who have had two years or less of high school Spanish can place into 115, 116, 217, 219 or above 219. Students who have had three years or more of high school Spanish must start at 116 or above depending upon placement test results.

Failure to follow the appropriate sequence may jeopardize receipt of credit.

By-pass credit opportunity: Students who place directly into 219, and who earn a grade of B or better for the course will receive credit for 217 upon application to the Registrar. In order to fulfill the World Languages and Cultures (WL) CCR, these students must take an advanced level course after completing 219. Students who place above 219 and who subsequently enroll in an advanced level course and earn a grade of B or better will receive credit for the appropriate prerequisite course upon application to the Registrar. In order to fulfill the WL CCR, these students must take a second advanced level course; they also have the option of taking 219 for credit if by-pass credit has not already been awarded.

Major: Spanish courses – 227 or 228; 230 or 231; 319; 320; 457, 471, EDU 455*, or EDU 456* (culminating experience); one course above 320; one course at the 400 level; two others, not including 115, 116, 217. Comprehensive evaluation, with passing grade. Total of 9 major courses.

*Student teaching must be in Spanish; requires permission of Spanish major advisor.

Minor: Five additional Spanish courses above 217; 319 or 320. Total of 6 minor courses.

Majors and minors are encouraged to participate in an off-campus study program in a Spanish-speaking area if at all possible.

SPA 115. Beginning Spanish I. An introduction to basic modes of communication in the target language. Emphasis is on everyday language while developing speaking, listening, reading and writing as well as introducing culture(s) of the target language.

SPA 116. Beginning Spanish II. A continuation of Spanish 115. Prerequisite: SPA 115 or placement into 116.

SPA 160. Special Topics.

SPA 217. Intermediate Spanish I: The Spanish Speaking World. Students develop increasingly complex skills such as communicating in Spanish and understanding Spanish texts while studying and discussing social and cultural topics. Students study such essential dimensions of the Spanish speaking world as: geography and development, environmental challenges and solutions, population and demographic changes and challenges, ethnic diversity. Prerequisite: SPA 116 or placement into 217.

SPA 219. Intermediate Spanish II: "Hispanics" in the U.S. Students examine the history of the Hispanic/Latino presence within the United States and the intercultural connection created by this diversity. Through a variety of readings they will mainly consider the unique histories of Mexican-Americans, Cuban-Americans and Puerto Ricans, and discuss the various formulations of identity for Hispanics/Latinos. As they strive to articulate the nature of cultural identity in the United States, they will explore the contributions of different ethnic groups as well as the challenges that cultural differences often provoke. Prerequisite: SPA 217 or placement into 219. Not open to students with prior credit in SPA 227 or 228. Satisfies the CP ACE.

SPA 227. Off-Campus Spanish Conversation and Culture. An immersion experience in a Spanish-speaking country. Focus is on many aspects of the culture of the particular country and oral expression in order to facilitate daily life functions, greater intercultural understanding and effective interactions. Offered spring term. Prerequisite: SPA 219 or placement above 219 and permission of the instructor. May be repeated once for credit. After taking SPA 227, SPA 228 cannot be taken for credit.

SPA 228. On-Campus Spanish Conversation in a Contemporary Context. Intensive work in oral expression, focusing on practical situations and contemporary issues, by means of a variety of texts. Prerequisite: SPA 219 or placement above 219 or permission of the instructor. May precede SPA 227, but may not be taken after 227.

SPA 230. Spanish Culture and Civilization. Reading, discussion and presentation of the social, economic, geographic, and political structure of contemporary Spain, as well as a study of the country's history and artistic expression through the centuries. Prerequisite: SPA 227 or 228 or permission of instructor.

SPA 231. Spanish American Culture and Civilization. Reading, discussion and presentation of the social, economic, geographic, and political structure of contemporary Spanish America, as well as a study of the area's history and artistic expression through the centuries. Prerequisite: SPA 227 or 228 or permission of instructor. Satisfies the CP ACE.

SPA 233. Spanish for Healthcare Providers. An advanced-intermediate level Spanish class that provides students interested in health services the linguistic and cultural knowledge necessary to ensure successful communication when assisting the Latino community. Prerequisite: SPA 219 or permission of instructor.

SPA 260. Special Topics. Not recommended if student has prior credit in SPA 320. Prerequisite: SPA 219.

SPA 307. Directed Study. .50 unit.

SPA 319. Stylistics and Composition. An intensive study and written application of the intricate details of grammar necessary for advanced students. Prerequisite: SPA 227 or 228.

SPA 320. Introduction to Literature in Spanish. An introduction to the literary genres of prose fiction, poetry, and drama, using as example readings from both Spanish and Spanish American literature. The student will learn the terminology used in discussion of the respective genres as well as critical methods of approach. Prerequisite: SPA 227, 228, 230 or 231. Although only 1 of these courses is required, it is recommended that students take 2 of these courses before enrolling in 320 if at all possible. Partially satisfies the LA CCR.

SPA 320 is a prerequisite for all courses above 320.

SPA 321. Latin American Society through Film. Advanced course in Spanish that examines how films reflect and shape discourses on race, gender, sexuality, history, music, and politics in Latin America. Prerequisite: SPA 320. Counts toward Film Studies minor Satisfies the CP ACE. Partially satisfies the LA CCR.

SPA 322. Reading Spanish Film. This course explores several cultural themes that are prevalent in Spain and in the world at large, such as women and gender, immigration, collective memory, modernity, and globalization. Spanish films are examined in connection with the social, political, and historical context. Prerequisite: SPA 320. Counts toward Film Studies minor. Partially satisfies the LA CCR.

SPA 327. Studies in the Cultures of Spain. A study of selected topics related to the cultures of Spain using cultural narratives present in a wide variety of expressive forms. Content may vary. May be repeated for credit with permission of instructor. Prerequisite: SPA 320. Partially satisfies the LA CCR.

SPA 328. Contemporary Spain. Introduction to contemporary Spanish history, politics, and culture through the analysis of historical documents, literary texts, and artistic manifestations. Prerequisite: SPA 320. Not open to students with prior credit in 428. Partially satisfies the LA CCR.

SPA 329. Women and Gender in Spain. This course introduces important female authors and artists from the Middle Ages to the 21st century from both within and outside the Spanish Canon, focusing especially on the authors' response to their political, social, and cultural context. Students will learn about Spanish culture and society through the lens of women's experience and struggle for equal rights and social justice. Prerequisite: SPA 320. Not open to students with prior credit in 429. Partially satisfies the LA CCR.

SPA 330. Latin American Identities/Cultures. An exploration of Latin American realities through various genres (myths, legends, chronicles, essays, films and documentaries), from pre-Columbian, discovery, conquest, and colonial periods up to independence and recent times. Prerequisite: SPA 320. Not open to students with prior credit in 430. Satisfies the CP ACE. Partially satisfies the LA CCR.

SPA 331 Latin American Lit./Popular Culture. A survey of contemporary topics such as national identity, gender relations, political action, and indigenous movements in Latin American distinctive narratives as found in political cartoons, music, films, documentaries, and contemporary social media. Prerequisite: SPA 320. Not open to students with prior credit in 431. Satisfies the CP ACE. Partially satisfies the LA CCR.

SPA 336. Medieval & Golden Age Spain. A variety of historical documents, literary texts and artistic manifestations will be analyzed to understand a society that produced rogues, heroes, saints, pilgrims and inquisitors. Concepts such as diversity (religious, cultural, ethnic), nationalism, empire, honor, myth and deceit will be explored. Prerequisite: SPA 320. Not open to students with prior credit in 436. Partially satisfies the LA CCR.

SPA 337. Studies in Latin American Literature and Culture. A study of selected topics related to literature and culture of Latin America. Content may vary. May be repeated for credit with permission of instructor. Partially satisfies the LA CCR.

SPA 339. The Clash of Cultures. A survey of texts detailing the indigenous experience during the process of cultural hybridization brought about by Spanish colonization of the Caribbean, Mesoamerica, and the Andes in the fifteenth and sixteenth centuries. Texts and authors may include the Popul Vuh, Fray Bartolomé de las Casas, Guamán Poma de Ayala, Nezahualcóyotl, Colón, Díaz del Castillo, and the Inca Garcilaso de la Vega. Prerequisite: SPA 320. Not open to students with prior credit in 439. Satisfies the CP ACE. Partially satisfies the LA CCR.

SPA 357. Internship. Off-campus supervised experience in Spanish. Satisfies the W2 ACE.

SPA 360. Special Topics. Prerequisite: SPA 320.

SPA 370. Directed Study. Prerequisite: SPA 320.

SPA 428. Adv. Contemporary Spain. Advanced study of contemporary Spanish history, politics, and culture through the analysis of historical documents, literary texts, and artistic manifestations. Prerequisites: SPA 320 and one additional course above SPA 320. Not open to students with prior credit in 328. Partially satisfies the LA CCR.

SPA 429. Adv. Women and Gender in Spain. Advanced analysis of important female authors and artists from the Middle Ages to the 21st century from both within and outside the Spanish Canon, focusing especially on the authors' response to their political, social, and cultural context. Students will conduct independent research about women's struggle for equal rights and social justice in Spain. Prerequisite: SPA 320 and one additional course above 320. Not open to students with prior credit in 329. Partially satisfies the LA CCR.

SPA 430. Adv. Latin Am. Identities/Cultures. An in-depth survey of Latin American realities through various genres (myths, legends, chronicles, essays, films and documentaries), from pre-Columbian, discovery, conquest, and colonial periods up to independence and recent times. Prerequisite: SPA 320 and one additional 300-level course in Spanish above 320. Not open to students with prior credit in 330. Satisfies the CP ACE. Partially satisfies the LA CCR.

SPA 431. Adv. Latin Am. Lit./Popular Culture. An in-depth survey of contemporary topics such as national identity, gender relations, political action, and indigenous movements in Latin American distinctive narratives as found in political cartoons, music, films, documentaries, and contemporary social media. Prerequisite: SPA 320 and one additional 300-level course in Spanish above 320. Not open to students with prior credit in 331 Satisfies the CP ACE. Partially satisfies the LA CCR.

SPA 436. Adv. Medieval & Golden Age Spain. Advanced analysis of a variety of historical documents, literary texts and artistic manifestations in order to understand a society that produced rogues, heroes, saints, pilgrims and inquisitors. Concepts such as diversity (religious, cultural, ethnic), nationalism, empire, honor, myth and deceit will be explored. Prerequisites: SPA 320 and one additional course above SPA 320. Not open to students with prior credit in 336. Partially satisfies the LA CCR.

SPA 439. Adv. Clash of Cultures. An in-depth survey and analysis of texts detailing the indigenous experience during the process of cultural hybridization brought about by Spanish colonization of the Caribbean, Mesoamerica, and the Andes in the fifteenth and sixteenth centuries. Texts and authors may include the Popul Vuh, Fray Bartolomé de las Casas, Guamán Poma de Ayala, Nezahualcóyotl, Colón, Díaz del Castillo, and the Inca Garcilaso de la Vega. Prerequisite: SPA 320 and one additional 300-level course in Spanish above 320. Not open to students with prior credit in 339. Satisfies the CP ACE. Partially satisfies the LA CCR.

SPA 457. Academic Internship as the Culminating Experience. Satisfies the W2 ACE.

SPA 471. Senior Thesis. Each student will choose a topic, carry out the research and write an extensive paper in Spanish. Satisfies the W2 ACE.

SPA 499. Comprehensive Evaluation.

Theatre

Prince, Schmidt, Vanover

Major: 051 (0.25; must take four times for a total of 1.0 unit); 121; 122; 125; 222; 233; 305 (0.5 unit); 331; one of the following courses in dramatic literature: THR311, THR348, ENG245, ENG334, ENG336, ENG348, ENG356, CLA234, or other dramatic literature courses by petition; three theatre electives; 471 (culminating experience)

Comprehensive evaluation, with a grade of C or better. Total of 12.5 major courses.

Minor: 051 (0.25; must take two times for a total of .5 unit); 121; either 122 or 222; 125; 305 (0.5 unit); two theatre electives.

Total of 6 minor courses.

THR 051 Theatre Laboratory. Practicum credit given to students participating in official Hanover Theatre Department productions, with focus in either performance, directing, dramaturgy, technical, or management aspects of a production. May be repeated for up to 1 unit. Permission of Instructor required. .25unit.

THR 114. Introduction to the Theatre. The processes by which theatre artists from Ancient Greece to the present have transformed dramatic literature into stage reality. Partially satisfies the LA CCR.

THR 115. Film as Art. A study of film in which students learn to evaluate films, recognize cinematic techniques, write critically about films, and identify various film genres. Partially satisfies the LA CCR. Satisfies the W1 ACE.

THR 121. Elements of Stagecraft. Theory and practice of the technical elements of theatre production. Out of class studio work is required. Satisfies the QL ACE.

THR 122. Theatre History and Culture I. An introduction to the varied histories of world drama and theater as an art form, as a profession, as a social event, and as an agent of cultural definition and change through the ages. Theatre History and Culture I examines select theatrical cultures, performance practices, and dramatic texts to 1700. Partially satisfies LA CCR and satisfies W1 ACE.

THR 125. Acting: Principles. This course is designed to introduce the student to the skills of acting and creating a realistic performance. Emphasis is placed on ensemble improvisation, movement, vocal production, body awareness, character analysis, and monologue work. Partially satisfies the LA CCR.

THR 160. Special Topics.

THR 215. World Cinema. Screening, analysis and comparison of films from Asia, Africa, the Middle East and Latin America along with some European and North American films. Spring Term. May count towards the major in Theatre.

THR 222. Theatre History and Culture II. An introduction to the varied histories of world drama and theater as an art form, as a profession, as a social event, and as an agent of cultural definition and change through the ages. Theatre History and Culture II examines select theatrical cultures, performance practices, and dramatic texts from 1700 to the present. Partially satisfies LA CCR and satisfies W2 ACE.

THR 225: Advanced Acting: Scene Study. This course is an advanced acting course with a focus on scene and partner work, from a variety of modern styles and texts. Emphasis is placed on character development, scene analysis, and the process of creating a realistic performance. Prerequisite: THR125.

THR 232. Theatrical Design. Creative exploration of the design elements in theatre production. May be repeated for additional credit with permission of instructor.

THR 233. Voice and Movement for the Stage. A studio course for the actor in the fundamentals of training and achieving an expressive voice and body. Students explore many exercises and activities that lead to deeper self-awareness and control over their vocal and physical instrument, and to remedy poor habits that may be limiting their full range of vocal and physical expressiveness in the portrayal of emotions and characters on the stage. Participants will be encouraged to develop a personal regimen for continuing growth in their vocal and physical skills after the course is done. Offered in alternate years. Prerequisite of THR125.

THR 248. Acting and Stage Combat. Principles of safety and theatrical effectiveness in physical expression. Techniques addressed include unarmed combat, falls and rapier/dagger work. Emphasis on physical acting skills, and development of sound rehearsal processes. Offered alternate years. Prerequisites: 131.

THR 260. Special Topics.

THR 305: Theatre: Professions and Pathways. An exploration of pathways in the professional theatre, as well as other career opportunities supported by theatrical training. Topics may include resume writing and portfolio building, interview and audition techniques, networking, and preparation for graduate-level programs. .5 unit.

THR 307. Directed Study. .50 unit.

THR 309. Stage Management Seminar. The course is an intensive mentoring process for students who assume stage management duties for departmental productions. Emphasis on best practices for organization, communication, practical techniques and portfolio development. Elective. 0.5 unit. Prerequisite: THR 121 and permission of instructor.

THR 311. Global Theatre. A survey of plays and theatrical performance traditions of Africa, Asia, the Middle East, the Caribbean, Latin America and Indigenous peoples. Satisfies the CP ACE.

THR 312. Western Drama: Greeks to Realism. Survey of foundational plays of the western theatre tradition, from the classical Greeks to the dawn of Realism and the modern era. Includes plays by Aeschylus, Sophocles, Euripides, and Aristophanes; Rome's Seneca and Plautus; and representative work from the Medievals, Elizabethans (other than Shakespeare), the French and the Spanish classicists; the English Restoration and the 18th-century; and concludes with Romanticism and Goethe's Faust. Offered alternate years. Partially satisfies the LA CCR. Satisfies the W2 ACE.

THR 325. Advanced Acting: Period Styles. This course is an advanced acting course with a focus on period styles, including Greek, Roman, Elizabethan, Commedia, and Restoration texts. Emphasis is placed on physicality, mask work, character development, appropriate vocal production, and creating an appropriate stylized performance. Prerequisite: THR125.

THR 331. Directing for the Stage. Theory and practice; student direction of two scenes of different styles for rehearsal/performance, and a one-act play for public performance. Partially satisfies the LA CCR. Prerequisites: 121, 131.

THR 332. Contemporary Theatre. Theatre and its role in the world today. May be repeated for credit. Partially satisfies the LA CCR. Satisfies the CP ACE.

THR 343. Screenwriting. Writing for narrative film. Emphasis on structure, character development, meaning, and professional format. Identical to ENG 343.

THR 345. Playwriting. Theory and practice**.** Beginning with a basis in dramatic structure derived from Aristotle's Poetics, students will write four short plays and produce a revision. Plays are read aloud in a workshop setting and then responded to by other playwrights and the instructor in structured feedback sessions. Emphasis is upon sustained action, character development, and creating in dialogue. Partially satisfies the LA CCR.

THR 346. Advanced Playwriting. Builds upon the knowledge and skills gained in 345, now applied to writing a full-length play. Focus on structure and pacing, point of attack, and character development in plays one hour or more in length. Workshop method, with readings and feedback from peers and instructor. Each student will write at least one full-length play and the course culminates in a public reading of student work. Prerequisite: 345.

THR 348. Shakespeare in England. Selected plays of Shakespeare in performance, together with the cultural settings from which they emerged. Identical to ENG 348. Offered in

Stratford-upon-Avon in Spring Term alternate years. Permission of the instructor is required. May be repeated for credit. Partially satisfies the LA CCR.

THR 349. Advanced Stage Combat. Students will practice advanced techniques for physical acting, with emphasis on safety and clarity of nonverbal expression, with script analysis and rehearsal processes. Students may have the opportunity to test for credentials with The Society of American Fight Directors. Prerequisite: 248

THR 360. Special Topics.

THR 370. Directed Study.

THR 457. Internship. Entry-level off-campus experience with an established commercial or LORT theatre, arranged by senior-level student and approved by theatre faculty. Prerequisites: Senior major status and consent of adviser.

THR 471. Senior Thesis. A substantial, independently conceived artistic or scholarly project, carried out with the guidance of a faculty advisor. Projects may be in such areas as playwriting, acting, directing, dramaturgy, design, technology, theatre education, scholarship, arts administration, or other fields. Prerequisite: Senior major standing.

THR 499. Comprehensive Evaluation.

Theological Studies

Duffy, Lambert, Marovich, Patterson.

Major: Theological Studies courses — 9, including one in biblical studies; one in contemporary theology; one in ethics; one in historical theology; 412 (culminating experience), any four others, no more than two of which may be at the 100 level.

Comprehensive evaluation, with passing grade of D- or better.

Total of 9 courses (9 course units).

Minor: Theological Studies courses — completion of five courses in the department, no more than two of which may be at the 1xx level.

Of the courses listed below, 232, 233, and 355 will fulfill the biblical studies requirement; 226, 227, 231, and 325 will fulfill the contemporary theology requirement; 222, 229, 322, 326, and 327 will fulfill the ethics requirement; 331 and 332 will fulfill the historical theology requirement. From year to year, selected Special Topics courses (260, 360) may be designated as fulfilling specific area requirements; see department advisers for current information.

THS 111. The Theology and Ethics of MLK, Jr. This course is a study of the life, ministry, and leadership of Martin Luther King, Jr. It is taught during Spring Term and includes 7-10 days of travel in Georgia, Alabama, Mississippi and Tennessee. Satisfies the RP CCR. Satisfies the CP ACE.

THS 112. God, Death & the Afterlife. This course pursues a number of questions that have long been of theological concern: What is a soul? What happens to us when we die? How can theology help me cope with mortality and grief? What is eternity like? Do I want to be buried? We will examine ancient, medieval, and modern perspectives on such queries, sometimes from several religious traditions. We will also examine the impact of science and technology on these conversations. Satisfies the RP CCR.

THS 160. Special Topics.

THS 161. Theology and the Human Condition. Central issues in theology will be raised by asking: What is a human being? What does it mean to be human? Various answers to these questions and the theological frameworks that support them will be examined. Satisfies the RP CCR.

THS 164. Theological Perspectives on Nature. Study of central issues in theology through an examination of various concepts of nature, such as those found in the Bible, Origen, Irenaeus, Augustine, and St. Francis. Each concept of nature says something different not just about the natural world, but also about what it means to be human and what our relationship with and responsibility for the natural world should be.

THS 165. Theology and Ethics. Focuses on topics and texts in ethics and raises questions everyone struggles with throughout life. What is the good life? What does it mean to be a good person? How do we know what the good is? What is the nature of the good? Satisfies the RP CCR.

THS 166. Theological Perspectives on Bodies. Study of central issues in theology through an examination of various perspectives on the meaning of the human body and embodiment. Questions that may be addressed: What does it mean to be embodied? What is the relationship between spirit and body? How do societies interpret bodies? What role do race, gender, sexuality and ability play in these interpretations? How do our actions and our beliefs serve to harm or care for bodies? What happens to the body when we die?

THS 171. Interfaith Encounters. This course examines the topic of interfaith encounters. We will ask questions about how people encounter the religious "other" and how these encounters transform them. We will explore questions such as these: How are we supposed to make sense of violence done in the name of religion? What approaches to religious exchange promote peace? How might we engage in productive inter-religious dialogue? What would this dialogue look like? Satisfies the RP CCR. Satisfies the W1 ACE.

THS 172. Issues in Religious Ethics. A survey of issues in the field of theological ethics. Topics will vary from year to year, but will include such things as friendship, love and justice, kinds of oppression, moral decision-making, sustainability, issues at the beginning and ending of life, gender and sexuality, lying and truth-telling, the nature of family, violence and pacifism, informed consent, conversation and community, and what it is that gets us out of bed in the morning. Satisfies the RP CCR and the W1 ACE.

THS 222. Medical Ethics. An examination of major principles and topics in the field of medical ethics. Topics may vary from year to year but will include most of these: definition of death, euthanasia, assisted suicide, organ donation and transplantation, just distribution of medical care, reproductive rights and technologies, medical confidentiality, the nature of suffering and health and the purpose of medicine, genetic testing and therapies, medical research, medical law, the relationship between patients/clients and medical professionals. Content may vary according to students' professional interests. Satisfies the W2 ACE.

THS 223. Religious Autobiography. This course will reflect on the role of autobiography in communicating religious identity and will investigate how religious belief and practice intersect with race, ethnicity, gender and sexuality. Throughout the semester we will examine experience as a source of religious knowledge and authority. Students will critically reflect on numerous religious autobiographies as well as write portions of their own autobiographical story.

THS 224. Great Spiritual Figures. This course will focus on one or more individuals in the history of spiritual reflection who have had a significant impact on the lives of others. Specific figures will differ from year to year. May be repeated for credit with permission of the instructor.

THS 225. Great Spiritual Questions. This course will focus on one or more perplexing issues in the history of human spiritual reflection and practice. Specific questions will differ from year to year. May be repeated for credit with permission of the instructor. Satisfies the RP CCR.

THS 226. Theologies of Religious Encounter. From its beginning Christianity has developed in contact with other religions, yet today inter-religious encounter is happening in new and more urgent ways. This course poses critical theological questions about such encounters: Can many religious paths be "true"? If so, how? Does having faith in one religion require us to deny the value and validity of other religious paths? What is the meaning of our neighbor's faith for our own?

THS 227. Feminist Theologies. This course engages a spectrum of scholars across cultures and religions who use the lens of gender to both claim and critically challenge their religious traditions. Along the way, it considers how key themes in feminist thought—e.g., language, embodiment, experience, power, selfhood/subjectivity, sexuality—have shaped the broader development of contemporary theologies.

THS 228. Race, Ethnicity, and Religion. This course will investigate how racial and ethnic identities shape religious experience as well as how religious worldviews inform understandings of race and ethnicity. From liberation theology to Rastafarian music, from historical injustices to hope for future justice, we will explore the intersections of race, ethnicity and religion. We will analyze the myths, symbols, stories and histories that have created meaningful worlds for various religious and ethnic groups. Satisfies the CP ACE.

THS 229. Comparative Religious Ethics. We will begin with two questions that lie behind the project of comparative work in ethics: To what extent are ethical values and responsibilities universal in scope and to what extent are they particular to traditions? Can we do comparative work from inside traditions, or must we attempt to stand outside all of them in order to see them more clearly? Then, using both ancient and contemporary texts and stories, we will examine specific moral issues from the points of view of a number of religious traditions. The final part of the course will focus on the meaning of comparative work for interreligious dialogue and for life together in a fragile world. Satisfies the W2 ACE.

THS 231. God & Science. This course examines a theological and political conflict that developed over the course of modernity: the controversial tension between forms of Christianity and the broad field of the natural sciences that has come to be known as the conflict between religion and science. As background to the controversy, students will briefly examine theological texts from time periods such as the medieval, early modern, and Victorian era to gain a better understanding of how perspectives on God and science have changed over time. The primary focus of the course will be on the ways that 20th and 21st century theological thinkers have engaged the sciences in order to better understand, and reinvent, this relationship, sometimes thinking comparatively about how non-Christian or non-western traditions approach scientific concerns. Students will be asked to reflect on, and explore, their own perspectives on the issues and controversies.

THS 232. Introduction to the Old Testament. This course examines the Hebrew Bible (also known as the Old Testament), focusing on biblical figures and narratives and on the history and cultural world of the Ancient Israelites. We will explore the various literary genres in the Hebrew Bible, discuss interpretive strategies for reading and understanding the biblical texts, and examine scholarly theories that reflect on how (and when) these biblical texts may have been composed.

THS 233. Introduction to the New Testament. This course examines the history and theology of early Christianity through readings from the New Testament. Students will reflect on the diverse texts of the New Testament—gospel writings, narratives, epistles, and apocalypse—as products of the ancient Jewish and Greco-Roman worlds. In their study, students will develop analytic tools for interpreting the New Testament in their contemporary context.

THS 234. The Problem of Suffering. Virtually no one escapes suffering, a fact that has led many human beings to accept a theological account of their life and has led many others to reject all theological accounts they can imagine; after all, the latter ask, why would we suffer so much if God were actually all-good and all-powerful. After spending some time thinking about what suffering is and its role in our lives, we will examine several possible theological responses to it. At the end of the course, each student will write her or his own carefully constructed

response, based primarily on the course materials, to the problem of the meaning and purpose of suffering. Satisfies the RP CCR.

THS 235. Confronting Poverty in Indiana. An experiential learning course which examines poverty and addiction in a regional context. Explores religious and philosophical models of community engagement and social justice. Combines theological perspectives with sociological examinations of a regional social problem both inside and outside the classroom. Identical to SOC 235. Prerequisite: Sophomore standing.

THS 260. Special Topics.

THS 307. Directed Study. .50 unit.

THS 321. Gender, Sex, and Family in Judeo-Christian Tradition. This course will examine how believers within the Judeo-Christian tradition have defined, negotiated and debated gender, sexuality, and family roles. We will investigate interpretations of sacred texts, theological conversations, historical shifts and ritual life in Judaism, Catholicism, Protestantism and Mormonism.

THS 325. Contemporary Theology. A study of some recent developments in Protestant and Catholic theology. Offered alternate years.

THS 326. Sexual Ethics and the Christian Tradition. A study of many of the issues in the field of sexual ethics, especially as these have been and continue to be shaped by the history and doctrine of Christianity. Prerequisites: one previous ThS course and at least sophomore standing.

THS 327. Faith, Hope, and Love. This course explores theological, ethical, and practical dimensions of faith, hope, and love, using both historical and contemporary texts drawn primarily from the Christian tradition.

THS 331. Religion in America. This course focuses on the religious history of America from before the creation of the United States up through the present day. It will explore the beliefs and practices of America's religious minorities and those of the Christian majority. As we examine various religious faiths, we will investigate what members of each tradition believe, how they practice their faith and what their experience of America was and is.

THS 332. History of Christianity. This course is designed to introduce students to the genesis and spread of Christianity as a global religion. It will focus on internal divisions within the Christian community with an emphasis on debates over orthodoxy and heresy. It will also address Christian encounters with "the other" (other religious traditions, other cultural groups) as it spread its message as a missionary religion.

THS 341. Early Christianity in Italy. An off-campus course in Italy focusing on the development of Christianity in Italy from the apostolic times through the Renaissance with particular attention to religious figures, religious art and architecture, and religious movements.

THS 355. Jesus of Nazareth. A seminar focusing on Jesus' life and ministry. Themes and topics vary from semester to semester.

THS 357. Internship.

THS 360. Special Topics.

THS 370. Directed Study.

THS 412. Theological Studies Seminar. Integration of the various components of the major and exploration of advanced methods in theological studies. Culminating experience in theological studies. Prerequisite: senior standing.

THS 471. Senior Thesis. Open to majors.

THS 499. Comprehensive

World Religions

Buchman, Carrell, Patterson.

Minor: This minor requires 5 of the following courses. At least four of the five courses must be at the 200-level or above, with no more than three courses in any single discipline. Students are strongly encouraged to take courses in several religious traditions. We encourage students to petition SAAC with other courses, including special topics courses related to religion and languages substantially linked to religious traditions.

ANTH 232: Native North American Cultures

ANTH 311: World of Islam

ANTH 316: Comparative Spiritual Traditions

ANTH 333: Magic, Witchcraft and Religion

CLA 100: Mythology

HIS 346: Reformation

HIS 367: China and Christianity

PHI 221: Philosophy of Religion

PHI 222: Classical Indian Philosophy

PHI 226: Medieval Philosophy

PHI 241: Prana, Qi and Ki

PHI 244: Daoism and Chan Buddhism

PHI 246. The Logic of Daoism

PHI 322: Classical Chinese Philosophy

PHI 337: Utopias and Intentional Communities

SOC 335: Sociology of Religion

THS 229. Comparative Religious Ethics.

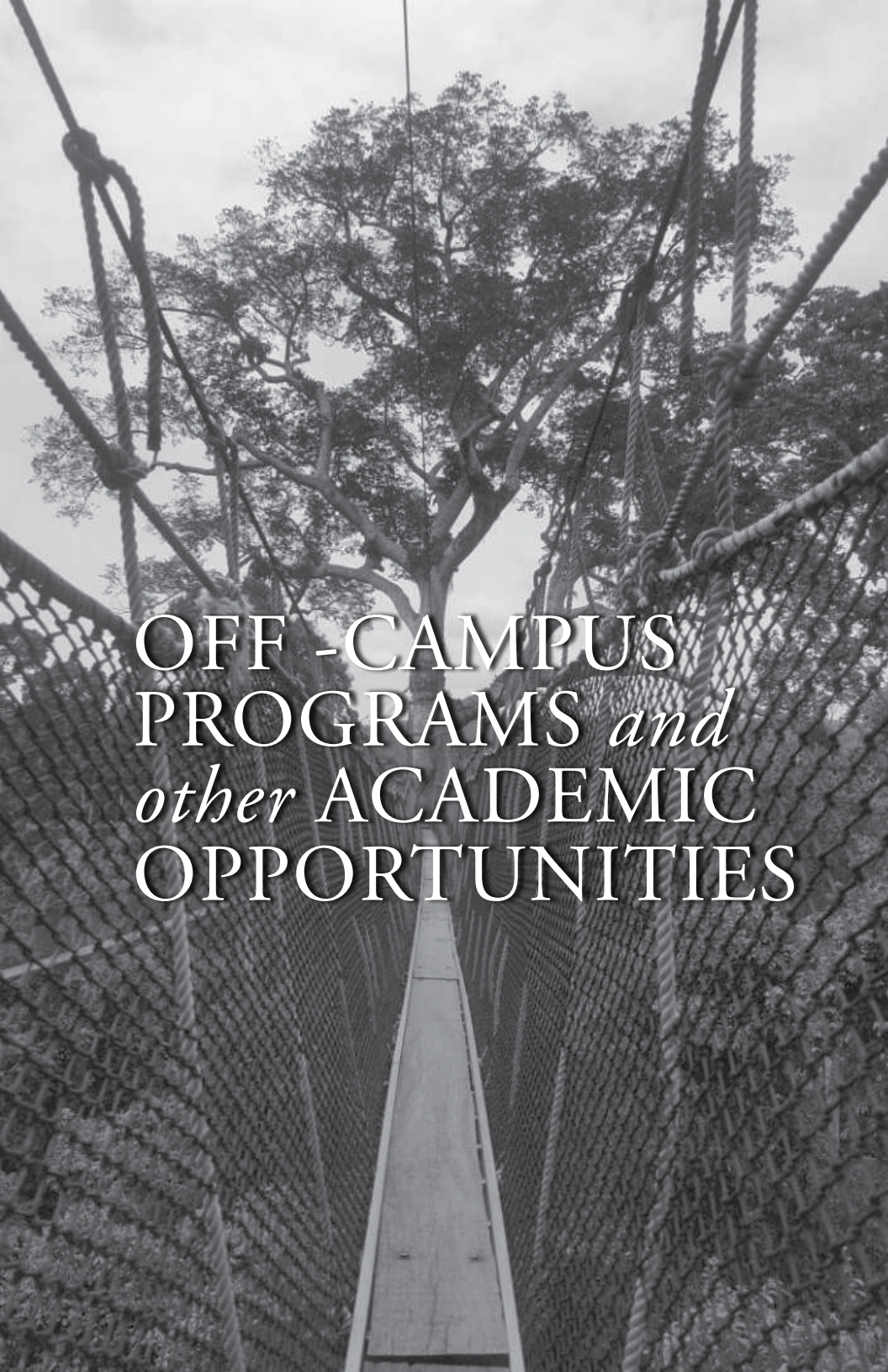
THS 325: Contemporary Theology

THS 331: Religion in America

THS 332: History of Christianity

THS 354: Sages and Seers: Studies in Israel's Wisdom and Prophetic Traditions

THS 355: Jesus Of Nazareth



OFF-CAMPUS PROGRAMS *and other* ACADEMIC OPPORTUNITIES

OFF-CAMPUS STUDY OPPORTUNITIES

Hanover College strongly encourages its students to pursue their studies, interests, and goals beyond the campus. Through Off-Campus Study students can expand their academic, intellectual, and human horizons, gain invaluable experience, and distinguish their college and professional careers. Currently there are four ways that Hanover students can study off-campus: enrollment in 1) a regularly scheduled off-campus Spring Term course, 2) an Affiliated Study Abroad Program, 3) an Affiliated City Semester Internship Programs, or 4) an individually arranged non-affiliated off-campus study program.

1. Spring Term Off-Campus Courses

As part of the Hanover curriculum, many departments offer courses during the Spring Term which afford students the opportunity of studying for some or all of the term at various domestic and foreign sites. In recent years, students have traveled to Asia, Europe, Latin America, and the Middle East, as well as to Washington, D.C., New York City, the Southwest, and other locations in the United States. These courses are open to all students who are in academic good standing and who are able to meet the prerequisites of the course. There are additional fees associated with enrollment in these courses but participating students may be eligible for refunds for board during their time away from campus. Students who ordinarily take their meals at the Campus Center will receive a refund for each consecutive seven days away from campus for the entire term. Students who reside in fraternity or sorority houses should contact the appropriate chapter officers regarding refunds. Eligible students can apply for competitive Spring Term Off-Campus Scholarships to help defray part of the travel costs involved in an off-campus course.

2. Affiliated Study Abroad Programs

Hanover College's Semester Study Abroad Program currently offers eighteen options. Each allows Hanover students to spend a semester abroad taking courses that can be counted toward a Hanover College degree. Participants in the College's affiliated study abroad programs pay regular Hanover tuition and room fees. In most cases students will receive 100 percent of their scholarship money and any other financial aid. For many destinations, board fees will be waived, because all food cost will be paid by the students at the study abroad location." Some destinations require board payment. A student who attempts to take a course on Hanover's campus during a term in which they are studying abroad (for instance, returning for a Spring term course) will be charged additional tuition and appropriate room and board costs. Visit the Study Abroad Office for detailed information about affiliated study abroad programs.

Study abroad programs are coordinated through the Study Abroad Office, located in Lynn Hall. Students planning to study abroad should begin the process by meeting with the Director of Study Abroad to discuss the goals of their study abroad experience and obtain the necessary application materials. This meeting is followed by planning sessions with the faculty advisor and the Registrar's Office to ensure that all Core Curriculum Requirements and Areas of Competency and Engagement Requirements, as well as major and other graduation requirements will be met in a timely fashion. Approval for participation in affiliated Hanover programs is granted after screening and selection processes are complete. In some cases, consultations with the Financial Aid Office may also be necessary; students seeking teacher certification, pre-med students, and Business Scholars should meet with the appropriate member of their program. Hanover institutional scholarships can only apply to one semester off-campus program, be that an affiliated study abroad program or one of the affiliated city semester internship programs. Questions about financial aid can be addressed

to both the Office of Financial Aid and the Office of Study Abroad. Completed application forms have to be returned to the Study Abroad Office for approval. Students need to notify the Office of Study Abroad of their international study plans by February 15th of the academic year preceding the semester abroad. In order to determine destination choices that best fit the student's academic, cultural, and personal criteria, students are encouraged to attend information sessions, which take place at the beginning of every semester so that they can gather information and make informed choices.

A. The Program in European Culture and Society (PECS) at the Katholieke Universiteit (Leuven, Belgium). Established in 1425, the Katholieke Universiteit (KU Leuven) is Belgium's largest university and the oldest Catholic university in the world. KU-Leuven has a reputation for distinctive scholarship with an international flavor. PECS offers courses taught in English in nine academic areas: Business/Economics, Anthropology, History, Languages, English and Literature, Philosophy, Political Science, Psychology, and Religious Studies. Applicants to PECS must have completed their second year of university-level study and be in good academic standing with a cumulative grade point average of 3.0 or higher.

B. The Universidad de Castilla-La Mancha (Ciudad Real, Spain). Located in a small city approximately 200 kilometers south of Madrid, the Universidad de Castilla-La Mancha (UCLM) is part of a multi-campus system established in 1985. Ciudad Real itself is relatively untouched by international influences and offers a unique environment that will allow Hanover students to experience life in a typical Spanish community. Students who participate in this exchange program take courses taught in Spanish and it is particularly appropriate for Spanish language majors. Applicants must have a solid preparation in Spanish evidenced by grades, a proficiency exam, and recommendations from the Spanish faculty.

C. The Universidad del Valle de Atemajac (Guadalajara, Mexico). The Universidad del Valle de Atemajac (UNIVA) is located in a large, vibrant city 300 miles west of Mexico City. It is a relatively young, private university with programs in business, communication, computer science, Spanish, psychology, and graphic arts, among others. Classes are taught in Spanish and students live with host families, both of which contribute to an excellent cultural and educational experience. Applicants must have a solid preparation in Spanish evidenced by grades, a proficiency exam, and recommendations from the Spanish faculty.

D. Philipps Universität (Marburg, Germany). Also known as the University of Marburg, Philipps Universität is located in one of Central Germany's historic cities. Marburg's medieval charm and close association with the University make it especially attractive to students, German and international alike, who seek a genuine atmosphere of learning in a town representative of life in modern Germany. The University offers courses that will appeal to a wide variety of Hanover students, all taught in German. Applicants must therefore have a solid preparation in German evidenced by grades, a proficiency test, and recommendations from the German faculty. Philipps Universität also offers a program in English, the International Undergraduate Study Program (IUSP), in which students take an intensive German class followed by a semester of academic courses taught in English.

E. The University of Wollongong (Wollongong, Australia). Located on Australia's east coast an hour south of Sydney, the University of Wollongong lies on the forested lower slopes of Mount Keira. Both the University and the city of Wollongong are rich in cultural diversity. The University offers a wide variety of educational opportunities, many of which take advantage of Australia's unique location. These include courses relating to Aboriginal culture, history, and society, as well as courses in various disciplines that feature an approach from Down Under. Students can also take advantage of field trips and short-term programs organized by environmental and student organizations. Applicants should have a minimum cumulative grade point average of 3.0.

F. Bogaziçi University (Istanbul, Turkey). Bogaziçi University (BU) was founded by Americans as Roberts College in 1863, and its American roots are reflected in the appearance of the beautiful campus. One of Turkey's premier universities, Bogaziçi overlooks the Bosphorus Straits from a residential and retail community six miles from the center of Istanbul, a large city rich in history and culture that straddles the border between Europe and Asia. Courses are taught in English and cover a wide range of the liberal arts and the sciences, offering unusual opportunities to Hanover students. The University attracts a large number of international students, ensuring a rich cultural and intellectual experience. Students must have a minimum cumulative GPA of 2.5 to participate. www.boun.edu.tr

G. Université François Rabelais de Tours (Tours, France). The Université François Rabelais is located in Tours, a city in the Loire valley that is about an hour from Paris by the fast train. It is a city rich in history and culture with beautifully preserved medieval neighborhoods that blend with the city's modern developments. Participants take courses at the University through the UFR des Lettres, the largest unit of the university, with courses in Literature, Business, History, Civilization, and Communication. Students may also register for courses focused on increasing their proficiency in French written and oral expression. Applicants must have excellent French language skills, a proficiency test and recommendations from the French faculty. It is highly recommended that applicants have a 3.0 cumulative GPA and a 3.0 GPA in French courses.

H. University Study Abroad Consortium. Hanover College is affiliated with the University Study Abroad Consortium (USAC), through which Hanover students can choose from an additional group of 18 study abroad destinations: South Korea, China, Thailand, India, South Africa, Ghana, Sweden, Chile, Costa Rica, and Cuba (summer only). Additional foreign language classes are available at all partner universities; the programs in Chile and Costa Rica offer host family stays. These programs enable a global reach, offer rich and diverse cultural experiences, and provide rigorous academic curricula. In addition, some programs also afford service learning and/or internship opportunities. Students should consult their academic advisors and the Director of Study Abroad in order to determine which program makes the most sense for their academic pursuits and personal goals. These programs are open to all majors, yet also have individual specialties and strengths. They require maturity and cultural curiosity. GPA requirements vary from 2.5 to 3.0. www.usac.unr.edu

I. The Irish-American Scholars Program. Through the Association of Presbyterian Colleges and Universities (APCU), Hanover students have the opportunity to participate in an exchange program partnered with five universities in Northern Ireland. Belfast Metropolitan College, Queens University, St. Mary's University College, Stranmillis University College, and the University of Ulster offer academic and cultural programs to all majors, so that students can choose the most appropriate host university. Belfast provides unique historical perspectives and cultural opportunities to allow students to gain a rich and varied experience while taking advantage of excellent academic programs. Up to three applicants can be nominated by Hanover College; they must be sophomores or juniors with a 3.2 GPA, and must submit application materials to the Office of Study Abroad by February 1st. The host universities will then select applicants for participation.

3. Affiliated City Semester Internship Programs

Students may opt to participate in one semester-long off-campus internship program in lieu of study abroad. Successful students earn four units of course credit through their internship, coursework, and other program requirements. Hanover College bills students for Hanover's tuition plus a $500 fee, and students are eligible for Hanover College financial aid. If scheduling permits, students studying during Winter/Spring term may choose to return

to Hanover for a Spring Term class and will be charged additional tuition per unit, along with room and board. (See "Academic Internships" and "BSP 357" for information about Hanover-supervised internships bearing academic credit.)

As there is a cap on the number of students who are approved each year to attend these internship programs, students must apply through the Levett Career Center, which coordinates the programs. Students should begin the application process at least a year in advance by meeting with staff of the Levett Career Center to discuss options and to receive an application packet. Approval for participation in these programs is required both from the College and from the individual program.

The affiliated programs include:

A. The Chicago Program (Chicago, Illinois). Three semester-long urban experiential internship/study tracks in Chicago are available: arts, entrepreneurship, and social justice. The Chicago Program's curriculum enables students to earn a full semester's load through four single-unit components. These include a two-day per week internship, 2 discipline-specific seminar courses, and an independent study project in an area of their interest. The program staff have contacts with more than 350 internship sites in a wide range of fields and arrange both a host internship and an apartment for its students. Applicants must have a minimum 2.5 cumulative grade point average. For more information about the program, please see www.acm.edu/chicago.

B. The Philadelphia Center (Philadelphia, Pennsylvania). Featuring over 800 field placements in a wide array of career fields from art to zoology, the Philadelphia Center provides opportunities for professional exploration, intellectual development, independent living and personal growth – in one of America's largest and most dynamic cities. Students participate in a city seminar which incorporates the urban environment as resource and subject. They are taught independent living skills by finding their own living accommodations and internships in a supportive environment. Applicants must have a minimum 2.5 cumulative grade point average. For more information about the program, please see www.tpc.edu.

C. The Washington Center (Washington, D.C.). As the seat of American government, Washington, DC is a natural setting for political study. The Washington area also offers opportunities in the areas of international affairs, media, business, science, and more. The Center helps students to develop a program that includes a four-day per week internship in their specific area of interest, a related academic elective, and a portfolio documenting and summarizing the experience. The Center also arranges such programming as breakfast meetings with members of Congress, lectures by distinguished leaders, and tours and topical discussion opportunities. Applicants must have a minimum 2.5 cumulative grade point average. For more information about the program, please see www.twc.edu.

4. Individually Arranged Non-Affiliated Off-Campus Programs

Recognizing that individual students may have interests which lead them in directions distinct from those of the affiliated programs, Hanover College also assists students in gathering information about other programs which might best meet their needs and in developing a course of study. Students desiring to enroll in an individualized program must have their programs approved in advance. While students will be considered withdrawn from Hanover College during the term they study at a non-affiliated program, they will not need to apply for readmission to the College upon returning from their off-campus study experience. Extensive information about non-affiliated study abroad programs is available in the Study Abroad Office.

TRANSFER OF CREDIT

Designated courses offered within an Affiliated Off-Campus Program will automatically be accepted for Hanover College credit and grades earned in these courses will be included in the computation of a student's Hanover College grade point average and the determination of graduation and academic honors.

Credit earned for course work undertaken in an individually arranged non-affiliated off-campus program, when supported by an appropriate transcript, is eligible for transfer to Hanover (see the section on Transfer Credit). Grades earned at such programs will not be included in the computation of a student's Hanover College grade point average. In general, credit is awarded if the program meets the following criteria: (a) is sponsored by a regionally accredited college, university, or a group of colleges within the United States; (b) pursues objectives which are primarily academic in nature; (c) provides a program of instruction compatible with the generally existing curricula found in U.S. colleges and universities; (d) provides a transcript of achievement for each student recorded in terms compatible with policies and practices generally in effect among U.S. collegiate registrars; and (e) provides the student a degree of supervision and counseling services such that a meaningful educational program may be pursued.

Students who enroll directly in a foreign university where the designations of credit and quality of achievement may be different from those in the United States, should provide the College with all pertinent information on which an evaluation may be based. Credit earned for course work undertaken in such institutions may be eligible for transfer to Hanover upon receipt of a transcript from an accredited institution or upon recommendation by the Dean of the College on the basis of departmental evaluations of the work done abroad. Grades earned for such credits will not transfer to Hanover College. Please consult with the Director of Study Abroad, your faculty advisor, and the Registrar's Office regarding self-designed programs.

FINANCIAL REQUIREMENTS

Financial requirements for off-campus study opportunities vary depending on the type of program in which a student wishes to enroll. Faculty teaching Spring Term off-campus courses normally set additional course fees, which are over and above the normal tuition fees for the semester. Participants in the College's affiliated study abroad programs pay regular Hanover tuition and room fees. Most students will receive 100 percent of their scholarship money and any other financial aid. Board fees will be waived, with the exception of the programs to Australia, Mexico, and Spain, and all food costs will be paid for out of pocket by the student at the study abroad location. If a student enrolls in a non-affiliated study abroad program, he or she must pay that institution's program fees, and will not receive any Hanover College scholarship money.

Students should contact the Study Abroad Office for information about the financial requirements of the specific off-campus program in which the student is interested.

THE FUND FOR OFF-CAMPUS STUDY

This fund provides financial support to students enrolled in international and domestic Spring Term off-campus courses offered by Hanover College. Spring Term Scholarships are distributed on the basis of a combination of financial need as determined by the standard financial aid formula, and academic merit as determined by the Student Academic Assistance Committee (determination is based on an essay competition). Applications are available in the Study Abroad Office. This program is made possible through generous gifts from Dr. Eileen Sinclair, Dr. Emma Hill, Dr. Dorothy Bucks, and other endowment gifts.

INDIVIDUALIZED STUDY COURSES

Opportunities for individualized study are available through the following programs of the College, all of which carry regular course credit.

SENIOR THESIS AND DIRECTED STUDY

Individualized study programs under the guidance of a faculty member are available in the form of both directed studies and senior theses. Both programs require of the student a capacity for self-initiated and independent work. In order to ensure adequate time for the planning of and preparation for the course, the student should meet with the supervising instructor well in advance of the beginning of the term in which the study is to be undertaken.

1. General Guidelines

a. The supervising instructor has a prime responsibility to guide students to projects which are feasible in terms of time and personnel, as well as library and laboratory resources.

b. The department should prepare for each of these programs a syllabus or outline which is consistent with institutional guidelines and standards and which specifically delineates departmental expectations for Directed Studies and Senior Theses.

c. All individual study projects are formal courses that require permission of the supervising instructor prior to registration. By signing the registration form the instructor affirms his or her availability and willingness to supervise a project.

2. Senior Thesis

a. A Senior Thesis is often required by departments as the culminating experience in their major program. These projects introduce students to the practice of a discipline by allowing them to conduct a serious scholarly project under the supervision of a faculty member. Senior Thesis projects carry one full unit of credit.

b. Students must file a Senior Thesis application with the Registrar by the last day of the drop/add period in the term in which the project is to be undertaken. A specific topic and outline also must be filed with the supervising instructor by May 15, Dec. 1, or March 15 for enrollment in the Fall, Winter, or Spring terms, respectively.

c. The student must file a copy of the completed Senior Thesis with the Duggan Library before he or she can receive a diploma.

d. A student may enroll in two Senior Thesis courses during the same term only with the permission of the Student Academic Assistance Committee.

3. Directed Study

a. Directed Study courses, carried out under the supervision of an appropriate faculty member, are available to selected students who have an adequate background in the discipline and who have demonstrated an ability to work independently and on their own initiative. A Directed Study may carry one-half or one full unit of credit, with a workload comparable to that of similar courses in the department.

b. The student, in consultation with the faculty member who has agreed to supervise the project, must develop a detailed course proposal. The proposal should set forth the specific learning objectives of the study, the materials to be covered, the work expected of the student, and the criteria for evaluation. A copy of the proposal, bearing the signed approval of the supervising instructor and of the departmental chair, must be filed with the Registrar no later than the last day of the drop/add period in the term in which the student intends to undertake the directed study.

c. Directed study courses are to be carried out at the College during the regular academic year and may not duplicate existing courses, which are a part of the regular curricular offerings of the College. Students may take no more than one directed study course per term and no more than three directed study courses during the enrollment at Hanover. Any exceptions to these policies must be approved in advance by the Student Academic Assistance Committee.

ACADEMIC INTERNSHIPS

The Nature and Goal of the Program

The Internship Program is designed to augment the educational purposes of Hanover College by offering students an opportunity to extend their liberal arts education into areas beyond the traditional classroom. Students are placed in a supervised position in a field of their choice. Here they have the chance to apply the knowledge received in their formal education to actual work situations and to enhance that knowledge with the practical experience which they gain in the process. In this way, students are afforded a means of exploring specific career options and of broadening their vision of the world and its needs. The program thus aims at making students more mature, experienced and responsible participants in the various communities into which they will enter upon graduation from Hanover. The first time an academic internship creates an overload situation, no additional tuition for the internship will be charged.

Minimum Requirements

1. **Eligibility.**
   a. **Class Standing.** The student must have achieved at least a sophomore class standing.
   b. **G.P.A.** The student must have a cumulative G.P.A. of 2.0 or better.
   c. **Limitations.** Students may engage in only one internship experience of any kind during a given term, and may take no more than two academic internships during the course of their college career. Of these, only one can be in the student's major, and the second must be in a discipline other than the first.
2. **Hours Required.** The internship must have a minimum of 160 contact hours within one academic term or during the summer months.
3. **Reading Requirement.** The internship experience must include a substantial reading requirement. A reading list will be developed by the student in consultation with, and must be approved by, the Faculty Supervisor and the On-Site Supervisor.
4. **Presentation.** The student will be required to present the results of the internship experience before a public forum, with the performance being evaluated by the Faculty Supervisor and the Director of Service Engagement and Experiential Learning or Director of Internships.
5. **Analytical Essay.** The student will be required to submit an extended essay, whose particular format and length will be determined by the Faculty Supervisor, in which the student analyzes and evaluates the internship experience, seeking to correlate it with relevant academic work and especially with the readings which have been assigned for the internship. Copies of the essay are to be submitted to the Faculty Supervisor and the Director of Service Engagement and Experiential Learning or Director of Internships.
6. **On-Site Supervisor's Report.** A written report, describing the student's internship experience, and evaluating his or her performance in it, will be submitted by the On-Site Supervisor to the Director of Service Engagement and Experiential Learning or Director of Internships, who will forward copies to the Faculty Supervisor and to the student.

Evaluation and Credit

Final responsibility for the evaluation of the student's achievement in the internship experience and determination of the final grade to be assigned for the course lies with the Faculty Supervisor. The evaluation will be made on the basis of the public presentation, the analytical essay, the written report of the On-Site Supervisor, the Director of Service Engagement and Experiential Learning or Director of Internships' assessment, and such other work as the Faculty Supervisor may require (e.g., conferences during the term, journals, reports). The internship experience will be subject to all appropriate faculty regulations governing courses, and will receive one unit of credit; the grade received will be included in the calculation of the student's grade point average.

Termination

If an internship is terminated by the host agency prior to its completion and due to circumstances beyond the student's control, a grade of "W" will be recorded; if, however, the termination is confirmed to be the result of the student's failure to perform responsibly in the position, a grade of "F" will be recorded. A student-initiated withdrawal from an internship experience will be subject to the faculty regulations governing course withdrawals.

Application and Approvals

The student's application for an Internship Experience must be approved by the Faculty Supervisor, the On-Site Supervisor, the Director of Service Engagement and Experiential Learning or the Director of Internships, and the Registrar's Office. Applications are available in the Levett Career Center's Office of Service Engagement and Experiential Learning or from the Director of Internships.

STAR GRANTS

The Student Travel Award for Research (STAR) program supports the intellectual development of Hanover students by supporting their efforts to become accomplished scholars. STAR grants are awarded to students who participate actively in person as organizers of or presenters at meetings held off-campus and devoted to the dissemination of scholarship and/or creative works. The Student Academic Assistance Committee evaluates applications from students to cover the costs of registration, travel, room, and board incurred while they actively participate at these professional meetings. Individual awards of up to $500 per academic year per student are available. Current students and graduates attending meetings no more than three months post-graduation may apply for reimbursement of expenses. Applications may be obtained from the Office of Service Engagement and Experiential Learning.

RICHTER GRANTS

A. The Nature and Purpose of the Program

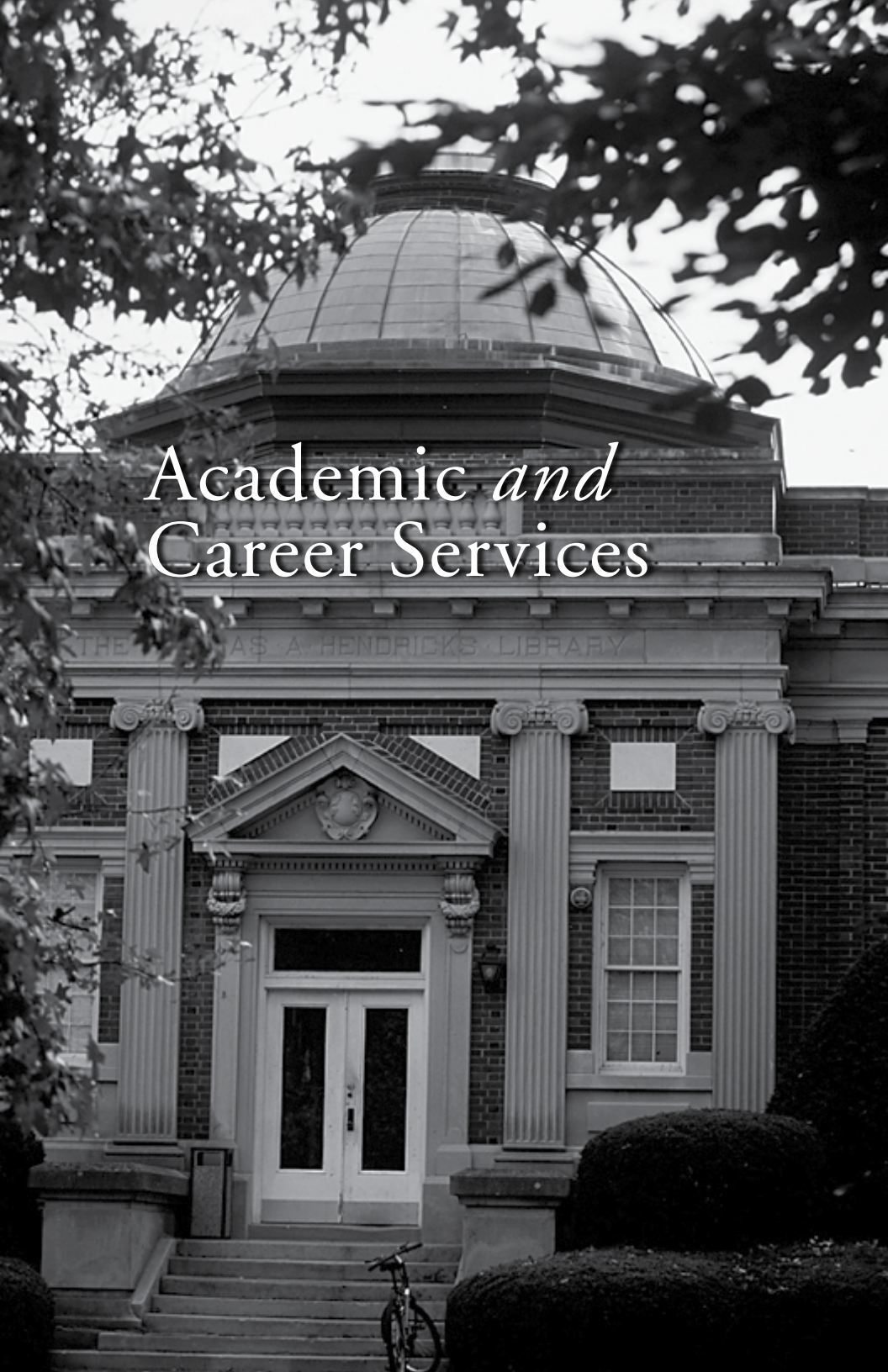
The Richter Grant Program is funded by money received from the Paul K. Richter and Evelyn Elizabeth Cook Richter Memorial Funds established by J. Edward Richter. The program provides students with opportunities to engage in a wide range of independent learning experiences which are of special interest to them, but which are not normally a part of the College curriculum. Students conceive and design particular learning experiences of their own, which are to be carried out at either domestic or international sites, and then seek funding for their projects from the Student Academic Assistance Committee, which administers the program.

B. Eligibility and Application

1. Any fulltime Hanover student is eligible to apply for a grant under the program, but the project for which funds are being sought must be one which can be undertaken and completed during the time in which he or she is enrolled at the College. Applicants must observe the College's academic year in defining their projects, fitting departures from and return to the campus into regularly scheduled vacation periods or during the summer months. Only the Vice President of Academic Affairs may approve exceptions to this rule.
2. In order to be eligible for full funding, the project should be one whose conception, organization and planning are the result of student initiative and effort, and one in which the student participates actively rather than passively. Proposals for participation in pre-packaged programs or courses (conferences and/or workshops, outward-bound type experiences, study-abroad courses, etc.) will not be funded unless the program or course is shown to be an integral component of a larger project created and designed by the student. Although funds are not normally awarded for course work for which academic credit is received, whether at Hanover or at other institutions, in some cases Hanover College Senior Thesis courses may be funded, as long as the project is one involving student creativity and is student-initiated.
3. Applications for grants must take the form of a project proposal. Proposals are to be submitted electronically to David Harden, Director of Service Engagement and Experiential Learning (harden@hanover.edu) and will be evaluated by the Student Academic Assistance Committee (SAAC), which is responsible for administering the Richter Grant program.

C. Obligations under the Grant

1. Students are obligated to carry out the project activities described in their proposal, to file the necessary reports, and to fulfill any other terms of the grant.
2. The reports required of students upon completion of their grant activities are of two kinds: (a) a project report, describing the student's experience in and assessing the success of the project in which the student was engaged; and (b) a financial report, accounting for the expenditure of all funds received under the grant and providing such supporting documentation (copies of canceled checks, credit card vouchers, cash receipts and the like) as may reasonably be expected.
3. Students are obligated to return to the College any funds not expended in carrying out grant activities, as well as any equipment, surplus materials and the like purchased with grant funds. Any funds for which a proper accounting is not rendered may have to be paid by the student.
4. Students who fail to comply with these or other provisions of the grant shall be obligated to repay to the College, in whole or in part, any funds received under the program and until such funds are repaid in full, students shall be liable to any further action which the College deems appropriate.



Academic *and* Career Services

LEVETT CAREER CENTER

The Levett Career Center is a group of student-support offices housed in Hendricks Hall and devoted to career discernment, pursuit, and attainment for all students.The staff at this one-stop destination offer career counseling and guidance, resume help, job search assistance, and more: information and placement for internships, externships, and mentored research experiences; opportunities for experiential learning; identification of graduate programs and professional schools; preparation for applications and interviews, and networking with and support from the ranks of the College's alumni.

CAREER CENTER SERVICES

Career/Major Counseling. Career Center staff offer guidance in choosing a major and in career exploration, résumé writing, interviewing, and job search planning through career coaching, group workshops, and extensive references. The office also provides career interest inventories and mock interviews.

City Semester Programs. The Career Center coordinates the College's affiliations with three semester-long urban internship/study programs including the Philadelphia Center, The Washington Center, and the Associated Colleges of the Midwest's Chicago Program. These programs allow students to earn a full semester's credits while gaining experience in the field they plan to pursue following graduation. In nearly all cases, financial aid transfers. Students most commonly attend during their junior year and should begin the application process at least a year in advance. See https://careercenter.hanover.edu/students/citysemester.php for more details.

Graduate/Professional School Guidance. The Center hosts an annual graduate and professional school fair, and offers individual appointments for assistance with exploring and researching graduate school options, completing applications, writing admission essays, and preparing for admissions interviews. The office provides workshops about applying for grad school, preparing for the Graduate Record Exam (GRE), and writing a curriculum vitae (CV), as well as proctored practice MCATs and LSATs annually. Students should visit the Career Center website for grad school-related advice from recent alumni and much more:

http://careercenter.hanover.edu/students/gradschool.

Internships. As interns, students can put theory to practice in an actual workplace, experience the day-to-day challenges and rewards of the particular field, and develop professional skills that will serve them in the future. The Levett Career Center provides support to students throughout their four years. Younger students who wish to explore a career field to determine their interest or fit are encouraged to meet with the Director of Service Engagement and Experiential Learning to discuss discipline-based internships, which allow younger students to build their résumés, to learn what is expected of them in a professional environment, and to gain clarity about their career interests. Experienced students with a well-defined career goal who are preparing for the professional world can meet with the Director of Internships to discuss pre-professional internships, which allow students to gain industry-specific transferable skills and knowledge, to build a network of professional contacts in their desired field, to gain project-based experience relevant to the field they hope to enter, and to build confidence in their ability to succeed in that environment.

Recruitment. Each year, Hanover co-sponsors 5 career fairs in which graduating seniors and students seeking internships are eligible to participate, including 2 general fairs in Indianapolis, IN and one in Lexington, KY, as well as teaching and accounting fairs in Indianapolis. On-campus, employer presentations and interviews are available with a wide range of companies and organizations. Through Handshake, students and alumni have access to a variety of employment and internship opportunities, selected and posted specifically for Hanoverians. More information can be found at https://careercenter.hanover.edu/students/#JoborInternshipSearch.

Special Events. Throughout the year, the Career Center sponsors programs and panel presentations showcasing a variety of career fields. Recent alumni panels have included marketing and public relations, athletics and coaching, and social services; more general topics, such as writing résumés and cover letters or discerning a career path, are also covered. For details and recaps of special events, visit https://careercenter.hanover.edu/events/.

Publications. The Career Center publishes a variety of guides to assist students with the job search and graduate school application process, including writing résumés and cover letters, preparing for an interview, embarking on a job search, and planning the path to graduate or professional school. Guides can be downloaded at https://careercenter.hanover.edu/publications/ or picked up in the Career Center in Hendricks Hall. The office also publishes Career Currents: Hot Off the Press, a bi-weekly e-newsletter that includes information on upcoming events and job openings.

Professional Competencies. The Career Center has developed recommendations for building "professional competencies," specific characteristics, background, and skills necessary to be well-prepared to transition to life after college. The Professional Competency program provides online assessment tools, score interpretations, and tips for developing each competency. For more information, visit https://careercenter.hanover.edu/students/pctools/.

Alumni Networking. Many Hanover alumni have volunteered to help students and recent graduates. Students can connect with over 1,000 alumni via Hanover Career Alumni Network (HanoverCAN) on LinkedIn. For a more intentional connection, students are invited to be matched with an alumni mentor the summer before their senior year. More information about this program, including how students can sign up, is found at https://careercenter.hanover.edu/students/alumnimentor.php.

Additional Services. The Levett Career Center provides an interview room for Skype or phone interviews at no charge to students. Additionally, extensive web resources related to choosing your major, job searching, and graduate and professional school can be found at https://careercenter.hanover.edu/.

PRE-PROFESSIONAL PROGRAMS

THE LIBERAL ARTS AND THE PROFESSIONS

Hanover College provides every student with an opportunity to prepare for a career or for further education in graduate or professional school. A challenging and rigorous liberal arts education, combined with pre-professional programs, equips students with the practical knowledge, perspectives, skills, and experience essential for particular careers.

A liberal arts education develops one's potential as a human being and as a citizen and enables one to succeed in all vocations. As the national and global economy changes, there is a greater demand for liberal arts graduates, for people who are creative and flexible, able to solve problems, to make sound judgments, and to communicate effectively. Hanover College affirms the importance of a liberal arts education for its students' success in careers and strives to assure that every student has an opportunity to prepare for meaningful work.

Every student is encouraged to participate in one of the pre-professional programs – programs that illustrate, in concrete and practical ways, the connections between the liberal arts and professions. These programs combine courses, seminars, workshops, small-group and individually supervised sessions, internships, intensive advising, relevant co-curricular experiences, volunteer activities, and structured opportunities for practical job experience, oftentimes with alumni who have been successful in their professions.

Accounting Pathway

Hanover College has established privileged access to the Master of Science in Accounting (MSA) program at Indiana University's Kelley School of Business and the Master of Science in Accountancy (MACC) program at Xavier University's Williams College of Business. The Accounting Pathway is designed to guide Business Scholars through the prerequisites for admission to either program. Business Scholars completing the Accounting Pathway are eligible to enroll at IU or Xavier immediately upon graduation from Hanover, and sit for the CPA exam in an accelerated manner. IU's MSA and Xavier's MACC are both intensive, full-time graduate degree programs. Students thinking they may be interested in pursuing an accounting pathway should consult early with their academic adviser and/or with the Director of the Business Scholars Program.

Business Scholars Program

The Business Scholars Program is a distinctive course of study that prepares students for a career in business. It is designed to provide an experiential learning environment that builds on a liberal arts foundation. Business Scholars will develop communication skills, the ability to think critically, and an understanding of multiple business perspectives in a context emphasizing social responsibility. The curriculum integrates concepts and strategies employed in numerous business situations through workshops, case studies, and a paid, project-based internship. Classroom sessions are augmented by the participation of successful business professionals who provide insight and guidance into the attainment of a rewarding career. Detailed information about the Program can be found in the Business course listings.

Engineering Program

Engineering that is functional and satisfying necessarily draws upon the diverse perspectives of the liberal arts. Researching, designing, building, maintaining, and improving the things that individuals and societies rely upon--structures, machines, systems, and processes—require multiple forms of knowledge: the mathematical, the scientific, the experiential, the historical, the cultural, the socioeconomic, and the aesthetic. By recognizing this interdisciplinary necessity, Hanover's engineering program prepares students for fulfilling careers, whether immediately after graduation or after additional graduate training in specialized fields of engineering or applied science and mathematics. Students may pursue either a Bachelor of Arts degree in Engineering Science or a Bachelor of Science degree in Engineering. The Engineering Science degree develops in students their problem-solving skills by integrating the principles of engineering, mathematics, and the applied sciences (biological, chemical, geological, physiological). The Engineering degree acquaints and educates students in one of several subfields, all of which share the common, classic definition of engineering: "to apply knowledge of capability and characteristics of substances to design and build something that accomplishes intended goals" (*Black's Law Dictionary*). More detailed information about the programs of study leading to each degree can be found in the Engineering course listings and from the Director of the Engineering Program.

Health Sciences Program

This program informs, advises, supports, and assists Hanover College students who wish to investigate or to pursue academic programs that will prepare them for advanced education and/or careers in health-related fields. The Program also promotes the exchange of information, expertise, perspectives, and experiences between students and those alumni and friends of the College who work in health-related fields. Finally, the Program encourages and develops a stronger sense of community among students of like interests.

Law

Hanover College provides individual advising that includes curricular recommendations for students electing to pursue pre-law. Annual programming includes a graduate and professional school fair and an LSAT practice exam. Recent events include tours of regional law schools, alumni panels, and networking events. The Career Center also houses resources related to law schools, LSAT prep, and careers in law.

Nursing

Hanover College, in collaboration with Valparaiso University and Northern Kentucky University, offers students multiple pathways to a nursing degree. When completed, these pathways will result in the student earning a Bachelor of Arts degree from Hanover College and a Bachelor of Science in Nursing degree from either Valparaiso University or Northern Kentucky University. Both institutions guarantee admission into their accelerated BSN programs to a limited number of Hanover students who successfully complete required science and prerequisite courses at Hanover as part of their Hanover degree. A student may choose to compete a 4-year Hanover degree in any major before applying to one of the accelerated programs, or a student may choose to pursue the Health and Movement Studies major at Hanover and apply to the accelerated program at Valparaiso University or Northern Kentucky University after only 3 years at Hanover. Each of the pathways requires careful academic planning. For details, students should contact the Director of the Health Sciences Program at Hanover.

Teacher Certification

Elementary (K-6) teacher certification requires the successful completion of an elementary education major, an academic minor, and all certification requirements including a student teaching assignment.

Secondary (5-12) teacher certification requires the successful completion of an approved teaching major (visual arts, theatre, mathematics, biology, chemistry, physics, English, French, Spanish, history, political science, health and movement studies, economics), secondary education coursework, and all certification requirements including a student teaching assignment. Secondary Education students may also choose to complete a secondary education major, as well as their content area major.

Special Education (p-12) dual teacher certification requires an additional six courses and must be competed in conjunction with Elementary or Secondary certification.

Application for a teacher certification program should be made after completion of EDU 221 and before the end of the sophomore year. Students may not take upper level courses without admission to a program. All teacher certification requirements are described under Education in this catalog.

ACADEMIC SERVICES

The Agnes Brown Duggan Library

The Duggan Library, dedicated in 1973, is an integral part of the educational process at Hanover College. A primary goal of the Library staff is to develop in Hanover students the lifelong skills necessary to make intelligent use of information. The Library houses the College's collection of over half a million volumes (print and electronic), along with an extensive A/V collection. The Library also provides access to over 100 databases covering all academic subjects, with online access to thousands full-text articles, e-books, and streaming media holdings.

The Library has served as a Government Depository since 1892 and holds a wide range of historical as well as current government publications.

A major component of the Library is the Hanover College Archives and Special Collections, which preserves and makes available the College's records, rare books, photographs, manuscripts, as well as housing the Indiana Presbyterian Archives Collections.

Along with the circulation of materials, Library services consist of reference and research assistance, classroom instruction, interlibrary loan and new technologies supporting the curriculum. The Duggan Library is a member of several library consortia, which serve to enhance services and provide additional resources through collaborative partnerships with libraries across Indiana.

Facility resources include WiFi, individual study carrels, A/V carrels, a Media Tech room, group study rooms, and an archives research room. Duggan houses a 24-hour computer lab, and the Gladish Learning and Teaching Center. More information about the Library is available at HYPERLINK "http://www.library.hanover.edu" www.library.hanover.edu and the Library's Facebook and Twitter pages.

Computer Services

Each student receives a Hanover email account and a lifelong email account upon graduation. An account to the MyHanover web portal and file storage space is also provided. Wifi is available in every building on campus (academic, administrative, and student residences). Hanover College has several departmental labs and two public computer labs: the Petticrew Computer Center in the Duggan Library (open 24 hours) and the Center for Fine Arts Computer lab. These facilities give students access to Microsoft Office, course-specific software, and color printers.

The Hanover College IT Help Desk is the main support center for all computing support on campus. Operating from 8:00 a.m. to 5:00 p.m. (Monday - Friday) the Help Desk offers phone support to the entire campus community. If you're having computer trouble, you can bring your computer by the Help Desk for free service throughout the week. Contact the IT Help Desk at 812-866-6899 or HYPERLINK "mailto:help@hanover.edu" help@hanover.edu. Free student support includes anti-virus software installation/configuration, spyware removal, disk cleanups and defragmentation, software updates (Windows Updates) and other requested services. The Help Desk will also aid you with any computer questions you may have relating to personal software or hardware problems.

The Ken and Kendal Gladish Teaching and Learning Center

The Ken and Kendal Gladish Teaching and Learning Center, located in the Duggan Library, offers academic tutoring, mentoring and coaching free to all students at Hanover College in their pursuit of academic excellence. The goal is to help good students become better students through active engagement. Trained peer tutors help make sure that each student has the opportunity to get the most out of their Hanover education.

Health Services

Hanover College provides a health center for students, which is located on the third floor of the Campus Center and is staffed by a nurse practitioner. Appointments can be made by calling 812-866-7082 or stop by. Walk-in patients welcome.

Counseling Services

Hanover College provides free, confidential counseling services staffed by two licensed mental health professionals. Services can be coordinated with a hometown provider if requested for continuity of care. To schedule an appointment, visit the secure website on My Hanover or the mobile app to complete the intake form.

Student LIFE

Hanover College seeks to build a community culture consistent with the objectives of the liberal arts, where students, professors and staff are able to integrate their academic and personal lives and make meaningful connections between their academic inquiry and their development as human beings. To achieve this goal, students are provided many opportunities for learning and reflection outside the classroom.

Hanover College seeks to build a diverse community composed of citizens of the world, individuals of different perspectives, different interests, and different cultural backgrounds. It is a community that cultivates humanity and presupposes the dignity, self-worth, and autonomy of all human beings. It seeks to be a community of active and responsible citizens – citizens who have different roles as faculty, students, administrators, staff, trustees, and alumni, but citizens who have rights and freedoms, who participate in democratic decision-making processes, and who accept responsibility for their decisions. Equally important, Hanover strives to create an environment in which students are able to construct their own civil society, a community of varied, overlapping, self-governing student groups mixed with a wide variety of informal student associations and activities. With these objectives to guide the campus community, Hanover prepares students for citizenship and service beyond college, providing them with learning experiences and with opportunities both inside and outside the classroom to serve and lead in various local and international contexts.

CAMPUS HOUSING

The College seeks to provide an environment in all its campus residences that enhances the learning process. The residence-hall program is committed to the philosophy and objectives of the total College community, and is dedicated to providing many opportunities for learning, while at the same time meeting students' physical, social and psychological needs. A primary objective is to encourage the students' convictions that education is a broadly based concept, that it is personal in nature, that it is a process involving their entire lives, and that students must exercise considerable initiative in the process of learning.

The requirements for on-campus residence are thus a part of Hanover's efforts to ensure an optimal learning environment and all students are required to live in College housing throughout their undergraduate years, except those who meet one of the following criteria: (1) living at home in the primary residence of a parent or guardian within 30 miles of campus; (2) married; (3) the parent of dependent minor children living with the student; (4) a part-time student; (5) a fifth year senior; or (6) over 23 years of age.

The residence hall program is administered by both professionally trained persons and a carefully selected and trained group of students called resident assistants. One resident assistant (RA) is located on each corridor of about 30 students, and staff members are on duty nights and weekends throughout the term when the office is closed. The staff takes seriously its role of maintaining a positive, healthy living environment, one which supports the academic endeavor. This is accomplished through close contact with residents, planning and presenting varied programs within the living units, and setting and interpreting behavioral expectations.

Students living in residence halls are required to purchase a meal plan, which provides breakfast, lunch and dinner in the Campus Center Dining Room, with additional options in the Underground, Coffee Shop, or Shoebox. Over 90% of our student body live on campus. Our "larger" buildings house 45 to 150 students, while "smaller" units accommodate 11 to 20 students, often centering on a special theme or desired living option.

Residence Halls

Blythe Residence Hall
Coulter House
Crowe Residence Hall
Donner Residence Hall
Ide Residence Hall
Katharine Parker Residence Hall
Lynn Residence Hall
Wiley Residence Hall

Smaller Living Units

File House
Greenwood Suites
Ogle Center

SORORITIES AND FRATERNITIES

Hanover College has chapters of four fraternities and four sororities, all with national affiliation. Each "Greek" chapter accommodates the majority of its members in a "house" of approximately 40 men or women, and many employ their own house director and cook. The majority of houses have individual study or day rooms, with sleeping quarters for all members on the top floor; while in other houses, members sleep and study in the same personal room. There also are recreational areas and lounges.

The following chapters of national fraternities and sororities are housed at Hanover College:

Fraternity Chapters

Phi Delta Theta, Indiana Epsilon Chapter

Phi Gamma Delta, Tau Chapter

Sigma Chi, Chi Chapter

Lambda Chi Alpha, Theta Zeta Chapter

Sorority Chapters

Alpha Delta Pi, Phi Chapter

Kappa Alpha Theta, Nu Chapter

Phi Mu, Rho Chapter

Chi Omega, Upsilon Lambda Chapter

STUDENT INVOLVEMENT

Student Activities

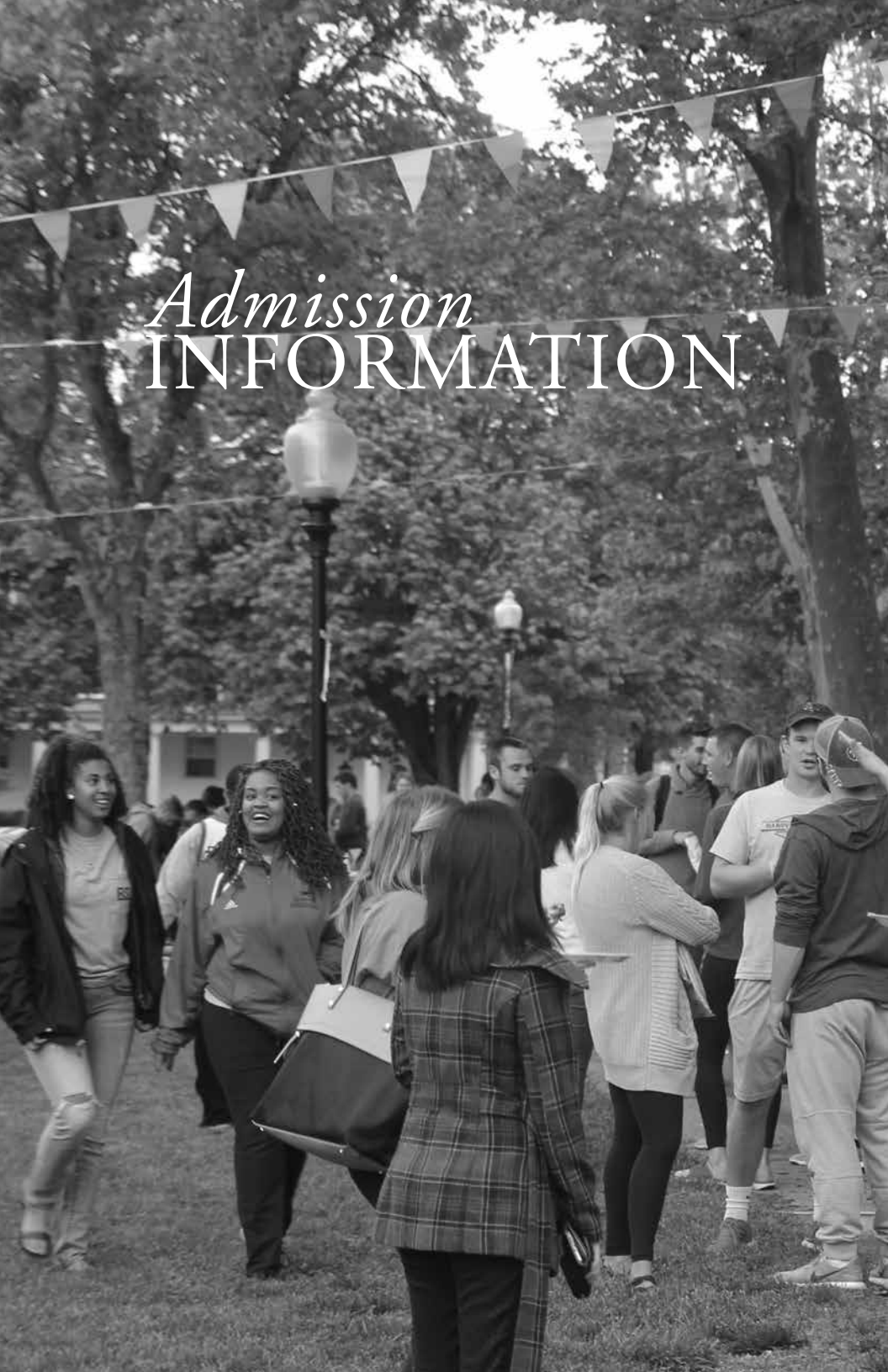
There are over 70 officially recognized student organizations on the Hanover College campus. These organizations serve as instruments of student expression and are integral components to the out-of-class experience. Student organizations provide a clear bridge between learning in and out of the classroom. Our organizations encompass a variety of interests: academic/pre-professional, governance, honor societies, publications, recreation, religious life, service, foreign language, special interests, and visual and performing arts.

Student Governance

Student Senate is the campus organization of student government. Student Senate has a great responsibility to listen, represent, and address the needs of its constituents while acting as the central liaison between the student body and Hanover's faculty, administration, and staff. With dedicated members representing all facets of our student culture, Senate committees partner with faculty members, administrators, and Student Life staff to solve problems, integrate academic and living environments, create a student civil society, and build a principle-based community. Student Senate promotes mutual cooperation among various campus constituencies in pursuit of its goals.

The Interfraternal Council (IFC) and the Panhellenic Council (Panhel) are the governing bodies of the Greek social organizations at Hanover College. Composed of representatives from each fraternity and sorority. The councils promote a cooperative spirit and encourage support among the organizations. They collectively serve the campus and wider community through social, educational and philanthropic activities.

Details about all student organizations, co-curricular activities, cultural and religious activities and college services are described in the Student Handbook and at the following internet link: **my.hanover.edu/ICS/Campus_Life/Student_Involvement/ Student_Organizations/**



Admission INFORMATION

ADMISSION OVERVIEW

As a selective liberal arts college, Hanover provides a holistic admissions review and is interested in enrolling those students who successfully complete a college preparatory curriculum in high school. Curriculum and grade point average are carefully considered in determining a student's likelihood of success at Hanover College.

Other factors such as the high school, standardized test scores, letters of recommendation and extracurricular participation in school and community are also considered in the admission process. In addition to academic achievement and extracurricular participation, the college values cultural, ethnic and geographic diversity in its student body. Hanover College does not discriminate on the basis of socioeconomic status, race, ethnicity, religion, sexual orientation or gender identity.

The key to a successful college search is to research options with care and to begin early. At selective colleges such as Hanover, meeting deadlines with appropriate materials for admission and financial aid is critically important. The Office of Admission at Hanover is dedicated to a counseling approach to the college decision. Contact the Office toll-free at 1-800-213-2178 with questions and/or requests for information or application forms. Information can also be gathered on the Hanover College home page at **www.hanover.edu** or by e-mail at **admission@hanover.edu.**

RECOMMENDED PREPARATION

Admission to Hanover College is competitive. While Hanover considers the merits of each student's application, it is recommended that students achieve at least a B average in a rigorous college prep curriculum, rank in the top third of their class, and achieve competitive scores on the SAT or ACT.

Candidates are encouraged to take Advanced Placement or accelerated courses if available. Students who complete all graduation requirements early or are home schooled will be considered for admission on a case-by-case basis. Students are encouraged to take the SAT or ACT in the spring of the junior year. Hanover is a test-optional institution and it is the applicant's choice to submit standardized test scores. If scores are submitted, Hanover reviews the highest scores for either test, so it is often advisable to take tests multiple times to achieve the best possible results.

The secondary school record is by far the most critical element in the admission decision, especially the performance in the junior and senior years.

APPLICATION PROCESS

Students may apply for admission to Hanover using the College's online application or by using the Common Application. Priority dates for early admission and regular admission are included with admission materials or are available by contacting the Office of Admission or by accessing our Web site at **www.hanover.edu.**

The following applications, credentials, and materials are required for admission for new students who apply:

First-Year Student (applying as a senior in high school): Freshman application completed by student and official high school transcript. Recommended materials include resume or list of extra curricular activities, writing sample, and a letter of recommendation. Submission of standardized test scores (SAT or ACT) is optional.

Transfer (applying as a student at another college or university): Transfer application completed by student, official high school and college transcript, and the transfer student information form. recommended materials include resume or list of extra curricular activities, writing sample, and a letter of recommendation. Submission of standardized test scores (SAT or ACT) is optional.

International (non-resident applying as a freshman or transfer student): International student application completed by student, official high school and/or college transcripts, official TOEFL, IELTS or SAT scores, copy of passport, and financial guarantee (declaration of financial support). Recommended materials include resume or list of extra curricular activities, writing sample, and a letter of recommendation.

FINANCIAL AID

Hanover College offers a diverse array of merit and need-based financial assistance. Students considering need-based assistance must apply through the Free Application for Federal Student Aid (FAFSA). The FAFSA is available through the Internet at **www.fafsa.gov.**

The results from the FAFSA are used to determine eligibility for federal, state and institutional assistance. Priority consideration is given to aid applicants who file the FAFSA by March 1. Upon receipt of processed FAFSA data, the Office of Financial Aid will evaluate and package awards. The student will be notified of eligibility by mail.

Merit-based assistance is also available to incoming freshmen who demonstrate a high level of academic achievement. The application for admission serves as the application for all merit-based scholarships.

For additional information, contact the Office of Financial Aid at 1-800-213-2178. Information can also be gathered on the Hanover College home page at **www.hanover.edu** or by e-mail at **admission@hanover.edu.**

Standards of Academic Progress

As per federal regulations, Hanover College requires standards of academic progress be achieved in order to maintain financial-aid eligibility. There are three academic requirements for receiving financial aid. Failure to maintain all standards listed may result in loss of aid. The policy on Satisfactory Academic Progress and the process for appealing financial aid probation or disqualification can be found at **www.hanover.edu/docs/financial_aid_sap.pdf.**

1. **Grade Point Average**
   Students are required to maintain good academic standing as determined by the Registrar's Office. These standards are outlined in the catalog (pg.28). Students failing to meet these standards should review the policies on academic probation, academic dismissal and appeal of dismissal. Transfer students should review the policy on transfer credits.
2. **Incremental Progress Requirement**
   Students must complete 67 percent of the course units attempted in an academic year. Students failing to meet this requirement due to extenuating circumstances should contact the Office of Financial Aid.
3. **Time Frame Requirement**
   Students are required to have completed the graduation requirements outlined in the catalog within the first 55 course units attempted.

Merit Scholarships

Any student receiving a merit-based scholarship(s) is required to maintain a minimum cumulative grade point average based on the scholarship(s) received. Students should refer to the scholarship certificate received at their time of admission to determine minimum GPA requirements. Cumulative GPAs are reviewed for renewal or reinstatement upon completion of each academic year.

Enrollment Status for Financial Assistance Purposes

Eligibility for Indiana state grants and Federal Title IV aid is calculated on a semester basis. For financial aid purposes, full-time enrollment for Fall Term, or for Winter/Spring Term, is 3 course units. Half-time is 1.5 units (at least half-time is required for Federal loan programs).

Refund Policies

Students at Hanover College receive funds from four major sources – the Federal government, the Indiana state government, Hanover College, and other outside sources. When a change occurs in a student's enrollment status, the Office of Financial Aid is required to calculate the amount of aid that must be refunded to each of these sources. A brief summary of each policy is listed below.

1. **Federal Title IV Aid**
   Federal Title IV aid (Pell Grants and Direct Loans) is prorated based on the percentage of the semester a student has attended up to 60 percent. No Federal Title IV refunds are calculated beyond the 60 percent point of the semester.

2. **State Aid**
   Refunds of Indiana state aid (Frank O'Bannon Grant Award, 21st Century Scholarship) according to state regulations. Students must be enrolled full-time at the end of the fourth week of each semester to qualify for state aid.

3. **Institutional Aid**
   Refunds of institutional aid are calculated in accordance with the five-week institutional refund policy on tuition and fees listed in the catalog (p. 181).

4. **Outside Aid**
   Refunds of outside aid are calculated in accordance with the guidelines provided by the awarding agency.

VISITING

Hanover's Admission and Financial Aid Office recognizes the importance of the campus visit in the college selection process. Consequently, the staff is very accommodating to the needs of prospective students and their parents.
The office is open all year, and visitors are welcome during regular office hours (8 a.m. until 5 p.m. during the academic year and 8 a.m. until 4 p.m. during the summer).
To maximize your time on campus, it is very strongly recommended that you reserve your visit at least one week in advance; two weeks of lead time is suggested if you are staying overnight on campus (preferably Monday through Thursday during the school year).

The typical campus visit during the academic year includes a tour of campus, an interview with an admission counselor and an opportunity to visit classes. Special arrangements can usually be made to visit with a particular professor, coach, or the financial aid staff.

TUITION AND FEES

REGULAR COLLEGE EXPENSES FOR ACADEMIC YEAR 2020-2021

Tuition **$38,880.00**

General Fees **$770.00**

Room Rent (See Note 1 and Note 2) **$6,125.00**

Board (See Note 1) **$6,175.00**

Total Regular College Expenses **$51,950.00**

Orientation Fee (payable once by entering students) **$350.00**

1. Room and board charges for students living in sorority or fraternity houses may vary from the above stated charges. Residential units are on a tiered-price policy. The cost above is the base rent rate. Greek House rates are $6,450 base. With questions about the tiered-price list, contact Lindsay Faulstick in Residence Life.

2. Students participating in our affiliated Australia, Belgium, Chile, China, Costa Rica, Ghana, India, Korea, South Africa, Sweden, Thailand, or Turkey study abroad programs will be charged Hanover College tuition and room and board fees for that semester. Most students will be eligible for their regular semester financial aid. Board will be billed at Hanover's rate and eligible for refund to the student through the Student Refund Request process if there is a credit balance.

3. Students participating in our affiliated France, Germany, Mexico, Northern Ireland, or Spain exchange programs will be charged in accordance with our contract with that institution. Please contact the Study Abroad Office.

4. The student participating in the affiliated Philadelphia, Chicago, and Washington Center programs will pay the full Hanover College net tuition* rate and the Hanover College room rate when required. Students attending these programs will be charged an internship fee of $500 in relation to the other fees. *Net Tuition means Hanover's gross tuition less any financial aid the student normally receives.

5. The first enrollment period covers the first academic term (Fall - 13 weeks plus the examination period). The second enrollment period covers the second and third academic terms (Winter - 13 weeks plus the examination period and Spring - 4 weeks). Travel expenses incurred in off-campus study opportunities during the four-week Spring term are the responsibility of the student. Eligible students are given the opportunity to compete for Spring term grants to help with travel expenses.

6. Students taking less than 3 units in the Fall term or less than 4 units in the combined Winter and Spring terms will be charged part-time tuition at a rate of $4,320 per unit. Those taking more than 4 1/2 units in the Fall term or 5 1/2 units in the combined Winter and Spring terms will be charged at a rate $4,320 per unit for the additional units.

7. Two summer sessions are available in June and July for existing Hanover students. These courses are offered at a discounted price as no financial aid is available for them. The specific class schedule and the related costs will be announced during the 2021 winter term. These courses are similar in format to the four-week spring term session described in paragraph 5 and are available to the student on-line. Specific classes may be cancelled if there is limited interest in them.

8. Full-time students taking a course for audit which results in an overload will be charged at a rate of 1/2 the applicable overload charge. Part-time students taking a course for audit will be charged tuition at a rate of 1/2 the unit cost provided there is space in the desired class and permission has been secured from the professor.

9. Senior citizens (age 55 and older) taking a course for credit will be charged tuition at the rate of 1/2 the unit cost. An Application for Admission must be filed with the Office of Admission. Senior citizens taking a course for audit only, with no credit earned, will be charged tuition at the rate of 1/4 the unit cost. A Course Audit Application must be filed with the Registrar's Office. In both cases, there must be space in the desired class and permission from the professor.

COURSE FEES

Students enrolled in art, health and fitness, and lab courses may be charged a course fee. Please see the course description to determine if a fee is applicable.

MUSIC FEES

Additional fees are charged for private voice and instrument lessons. A 1/4 unit of music instruction is $100.00. A 1/2 unit of music instruction is $150.00. An individual fee will be assessed for each course (i.e., a student who takes two 1/4 unit lessons will pay two separate $100.00 fees, while the student who takes a 1/2 unit lesson will pay $150.00). Students who choose the non-credit option for lessons will still be charged a 1/4 unit fee.

A full-time student whose music lesson leads to an overload for the term will be assessed overload charges in addition to lesson fees. A part-time student who registers for a lesson, either for credit or audit, will be charged for the unit in addition to the lesson fee. When a student has formally declared music as his or her major, lesson fees will be discontinued for all subsequent terms.

STUDENT TEACHING FEE

Students in the Education Program are charged a student teaching fee the semester they student teach. By registering for EDU 455/456/458/459, a student will be billed full-time semester charges and a student teaching fee of $300.00.

COMMUNICATION

The Hanover College Business Office uses e-mail as an official method of communication and the student is responsible for reading the e-mails from the Business Office on a timely basis. Students may also be contacted via cellular phone or other wireless devices regarding their student account or about general information from the College. The student may withdraw their consent to be contacted via cellular phone by submitting a request in writing to the Hanover College Business Office.

PAYMENT OF FEES

Hanover College uses electronic billing (e-bill) as its official billing method, and therefore the student is responsible for viewing and paying his or her student account e-bill by the scheduled due date. Failure to review the e-bill does not constitute a valid reason for not paying the bill on time. E-bill information is available at:
https://commerce.cashnet.com/cashneti/selfserve/BrowseCatalog.aspx.

Parents can view at https://commerce.cashnet.com/hanoverpay.

All expenses for the enrollment period must be paid in full by the due date indicated on the semester billing in order to attend classes. Billing for the Fall term will be sent to the student by mid to late-July with the balance due by late August. Billing for the Winter/Spring term will be sent to the student in mid-November with the balance due by late December.

If payment is not received by the due date, a hold is placed on the student's account in the Business Office and the account may be subject to late fees of 1% of the unsettled balance monthly. Students may be denied permission to continue at the College if payment is not received. Students' financial obligations must be satisfied before grades can be given, diplomas awarded, and transcripts issued.

The College offers a monthly installment plan for students. Please go to https://commerce.cashnet.com/hanoverpay or contact StudentAccounts@hanover.edu for more information.

REFUNDS

Students who withdraw from school or drop courses affecting their bills, including overloads and music lessons, during an enrollment period will be granted adjustments of **tuition and fees** as follows:

Attendance of up to one week (Student treated as a no-show) 100%

Attendance of any part of the second week 80%

Week three 60%

Week four 40%

Week five 20%

Attendance of more than five weeks . . . . . no refund

The withdrawal date used in determining the appropriate refund rate will be the date on file in the Registrar's Office. Withdrawing can also affect a student's financial assistance. Please refer to the financial assistance section of this catalog.

Hanover College is committed to offering a challenging and supportive educational experience whether face-to-face or online. To protect the health and safety of students and employees, the College may offer face-to-face, fully online and hybrid courses during the 2020-2021 academic year, and the College may change delivery methods during a term based on public health conditions. The College will issue no refunds (or discounts) for courses offered fully online or in a hybrid format.

The refund policy for **Room and Board** charges for students living in College Residence Halls, Suites and Apartments are set forth in the College's housing contract . No-show students will receive a 100% refund of room and board. Students who live in a Greek house must contact their sorority or fraternity house corporation for a refund, and refund policies may vary based on chapter policies and the student's housing agreement with the Greek house corporation.

RETURNING STUDENT DEPOSITS

All students returning for the fall enrollment period are required to pay a $300.00 deposit by March 10, 2021. This deposit, paid by the March 10th deadline, assures that the student will be able to (1) register for Fall Term classes and (2) reserve space in a residence hall, sorority or fraternity house for the academic year. This deposit is non-refundable after July 1. First-Year deposits are non-refundable after May 1.

COLLEGE PERSONNEL

The Faculty

(Date of first appointment in parenthesis)

LAKE LAMBERT
President (2015)
B.A., M.T.S., Emory University;
Ph.D., Princeton Theological Seminary

NICHOLAS W. BAECHLE
Professor of Classical Studies (2001)
B.A., Ph.D., Yale University

DUSTIN A. BAILEY
Associate Professor of Education (2014)
B.S., M.S., Indiana University (Indianapolis);
Ed.D., Indiana University (Bloomington)

MADLEN BATCHVAROVA
Professor of Music (2001)
B.M., Academy for Music and Dance Art (Bulgaria); M.M., Georgia State University;
D.M.A., University of Alabama

JARED G. BATES
Professor of Philosophy (2005)
B.A., Baker University;
M.A., Ph.D., University of Missouri (Columbia)

DOMINIQUE BATTLES
Professor of English (2001)
B.A., Boston University;
M.A., University of York (United Kingdom);
Ph.D., University of Virginia

PAUL BATTLES
Professor of English (1999)
B.A., Vanderbilt University; M.A., Ph.D.,
University of Illinois (Urbana-Champaign)

RICK BENNETT
Assistant Professor of Art and Design (1997)
B.A., Centre College;
M.F.A., Indiana University (Bloomington)

WILLIAM R. BETTLER
Professor of Communication (2001)
B.A., Oberlin College; M.A.,
Ph.D., Purdue University

KENNETH A. BEVIS
Professor of Geology (2000)
B.S., Grand Valley State University;
M.S., Humboldt State University;
Ph.D., Oregon State University

DAVID A. BOYCE
Director of Student Affairs and Clinical Professor of Physical Therapy (2020)
A.S., Oakland Community College;
B.S., Oakland University;
M.S., University of Kentucky;
Ed.D., Spalding University

JEFFREY C. BRAUTIGAM
Professor of History (1996)
B.A., M.A., Ph.D., University of Florida

TIMOTHY W. BROOKS
Instructor of Engineering (2019)
B.S., Bradley University
M.S., University of Illinois (Urbana-Champaign)

DAVID M. BUCHMAN
Professor of Anthropology (1999)
B.A., M.A., Ph.D., State University of New York (Stony Brook)

JAMES BUCKWALTER-ARIAS
Professor of Spanish (2004)
B.A., Yale University; M.A.,
Ph.D., Tulane University

DONALD J. CARRELL
Professor of Philosophy (1998)
B.A., University of Illinois (Urbana-Champaign); M.A., Duquesne University;
M.A., Ph.D., Emory University

TIMOTHY F. CUNNINGHAM
Assistant Professor of Chemistry (2015)
B.S., Mercyhurst College;
Ph.D., University of Pittsburgh

RACHEL D. DAVIDSON
Assistant Professor of Communication (2015)
B.A., M.A., Indiana University-Purdue University Indianapolis;
Ph.D., University of Wisconsin (Milwaukee)

DAVID J. DENTON
Director of Clinical Education and Clinical Assistant Professor of Physical Therapy (2018)
B.S., D.P.T., Youngstown State University;
C.I.D.N., Marshall University

STEPHEN DINE YOUNG
Professor of Psychology (1998) and Director of Outcomes Research and Chair of the Institutional Research Council (2015)
B.A., Miami University;
M.A., Ph.D., Clark University

ERIC R. DODGE
Professor of Economics (1995)
Michael B. and Judy Zeddies Chair in Economics (2020)
B.A., University of Puget Sound;
M.A., Ph.D., University of Oregon

MICHAEL F. DUFFY
Professor of Theological Studies (1995)
B.A., University of Massachusetts (Amherst); M.A., University of North Carolina (Chapel Hill); M.Div., Harvard Divinity School;
Ph.D., University of Virginia

MELISSA P. EDEN
Professor of English (1997)
A.B., Middlebury College;
M.A., Ph.D., University of Virginia

AGUST A. EIRIKSSON
Professor of Economics (2001)
A.A., Commercial College of Iceland;
B.B.A., Ohio University;
Ph.D., University of Illinois (Chicago)

MICHAEL ELLIS
Access Services/Reference Librarian
B.A., Indiana University (Southeast);
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RECORD OF COURSES FULFILLING THE CORE CURRICULUM REQUIREMENTS (CCRS)

I. First Year Experience (Must be completed during first semester at College)

ID	Title	Instr.	Term	Grade	Credit	ACE?

II. Literary and Artistic Perspectives (2 courses in different disciplines)

ID	Title	Instr.	Term	Grade	Credit	ACE?
ID	Title	Instr.	Term	Grade	Credit	ACE?

III. Historical and Social Perspectives (2 courses in different disciplines)

ID	Title	Instr.	Term	Grade	Credit	ACE?
ID	Title	Instr.	Term	Grade	Credit	ACE?

IV. Philosophical and Religious Perspectives (2 courses, 1 in each discipline)

ID	Title	Instr.	Term	Grade	Credit	ACE?
ID	Title	Instr.	Term	Grade	Credit	ACE?

V. Scientific, Mathematical, and Algorithmic Methods (3 courses from 3 disciplines; at least 1 lab/field course)

ID	Title	Instr.	Term	Grade	Credit	ACE?
ID	Title	Instr.	Term	Grade	Credit	ACE?
ID	Title	Instr.	Term	Grade	Credit	ACE?

VI. World Languages (2 courses in same discipline)

ID	Title	Instr.	Term	Grade	Credit	ACE?
ID	Title	Instr.	Term	Grade	Credit	ACE?

VII. Health and Fitness Applied (2- .25 credit courses)

ID	Title	Instr.	Term	Grade	Credit	ACE?
ID	Title	Instr.	Term	Grade	Credit	ACE?

RECORD OF COURSES FULFILLING THE AREAS OF COMPETENCY/ ENGAGEMENT (ACES

I. Writing I Requirement

ID	Title	Instructor	Term	Grade	Credit
____	_____	_____	_____	_____	_____

II. Writing II Requirement

ID	Title	Instructor	Term	Grade	Credit
____	_____	_____	_____	_____	_____

III. Speech Requirement

ID	Title	Instructor	Term	Grade	Credit
____	_____	_____	_____	_____	_____

IV. Cultural Perspectives Requirement

ID	Title	Instructor	Term	Grade	Credit
____	_____	_____	_____	_____	_____

V. Quantitative Literacy Requirement

ID	Title	Instructor	Term	Grade	Credit
____	_____	_____	_____	_____	_____

MAJOR PROGRAM COURSES

Major Program in: _____

In the last column, mark "R" if the course is required or "E" if it is elective.

ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	Culminating Experience	_____	_____	_____	_____	

Cognate Courses:

In the last column, mark "R" if the course was required or "E" if it was elective.

ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____

SECOND MAJOR PROGRAM COURSES (IF NEEDED)

Major Program in: _____

In the last column, mark "R" if the course is required or "E" if it is elective.

ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	Culminating Experience	_____	_____	_____	_____	
ID	Title	Instructor	Term	Grade	Credit	R/E
____	Comprehensive Exams	_____	_____	_____	_____	____

Cognate Courses:

In the last column, mark "R" if the course was required or "E" if it was elective.

ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____
ID	Title	Instructor	Term	Grade	Credit	R/E
____	_____	_____	_____	_____	_____	____

FIRST MINOR PROGRAM COURSES

Minor Program in: _____

In the last column, mark "R" if the course is required or "E" if it is elective.

ID	Title	Instructor	Term	Grade	Credit	R/E
ID	Title	Instructor	Term	Grade	Credit	R/E
ID	Title	Instructor	Term	Grade	Credit	R/E
ID	Title	Instructor	Term	Grade	Credit	R/E
ID	Title	Instructor	Term	Grade	Credit	R/E
ID	Title	Instructor	Term	Grade	Credit	R/E
ID	Title	Instructor	Term	Grade	Credit	R/E

SECOND MINOR PROGRAM COURSES

Minor Program in: _____

In the last column, mark "R" if the course is required or "E" if it is elective.

ID	Title	Instructor	Term	Grade	Credit	R/E
ID	Title	Instructor	Term	Grade	Credit	R/E
ID	Title	Instructor	Term	Grade	Credit	R/E
ID	Title	Instructor	Term	Grade	Credit	R/E
ID	Title	Instructor	Term	Grade	Credit	R/E
ID	Title	Instructor	Term	Grade	Credit	R/E
ID	Title	Instructor	Term	Grade	Credit	R/E

NOTES

NOTES

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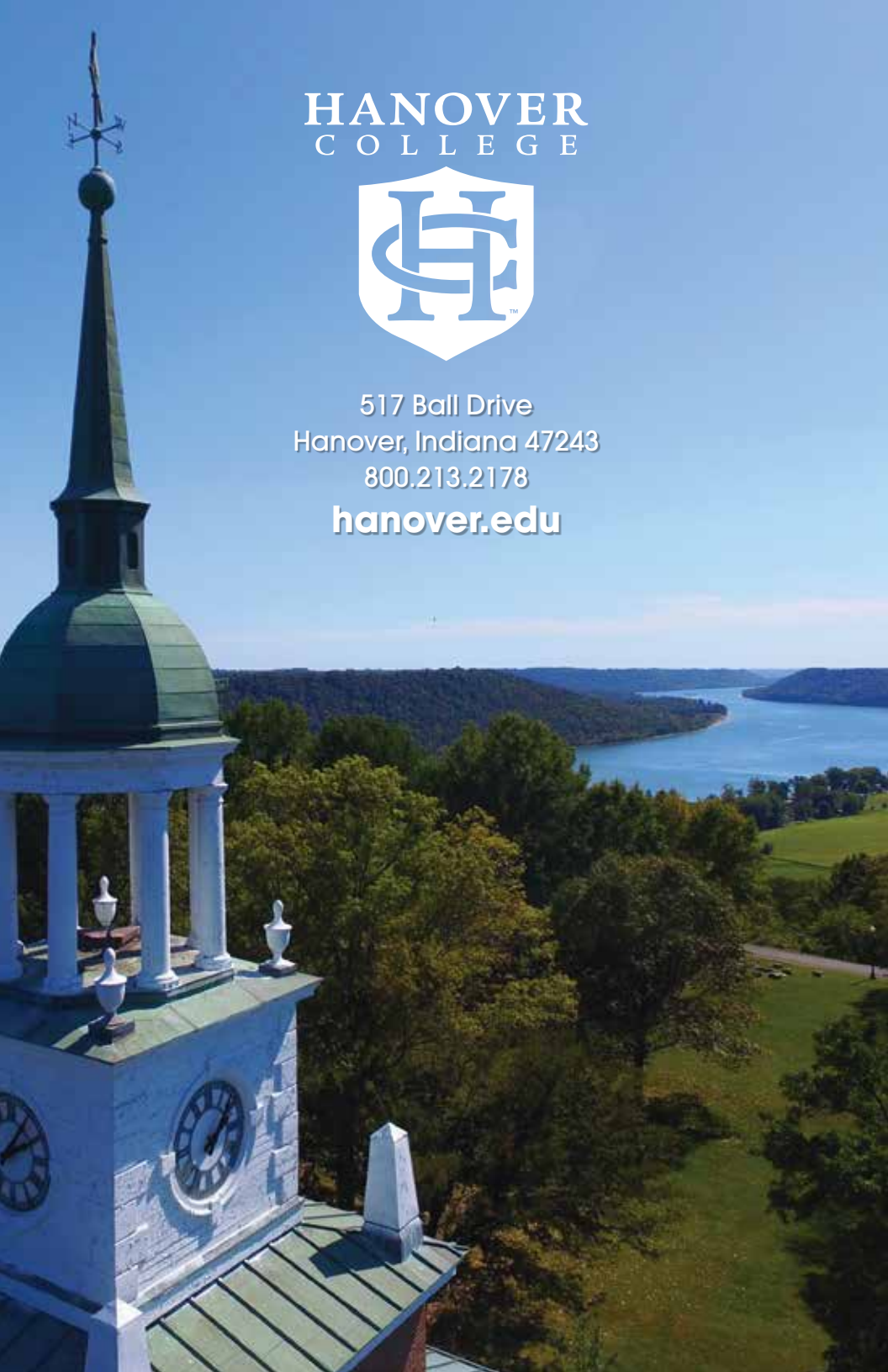

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