The college published its first catalog in 1872—Katalog for det norske Luther-college i Decorah, Iowa, 1861-1872. It was prepared by [President Laur.] Larsen and ran to 48 pages. It contained a list of officials and faculty members, a history of the college, an outline and a defense of the plan and courses of instruction, a section on discipline and school regulations, and a detailed listing of students at the college from the time of its founding. Larsen’s precise scholarship is apparent on every page. Not until 1883 was a second catalog published, this time in English.

—from Luther College 1861–1961, pp. 113–114, by David T. Nelson

Equal Opportunity: It is the policy of Luther College to provide equal educational opportunities and equal access to facilities for all qualified persons. The college does not discriminate in employment, educational programs, and activities on the basis of age, color, creed, disability, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, veteran status, or any other basis protected by federal or state law.

The provisions of this catalog do not constitute an irrevocable contract between the student and the college. The college reserves the right to change any provision or requirement at any time during the student’s term of residence.
Goals for Student Learning

Graduates of Luther College should be individuals with disciplined and inquisitive minds, equipped to understand and confront a changing society, and committed to using their talents to serve the common good.

As a liberal arts college of the church, Luther College seeks to ensure that all students will grow in knowledge and abilities and mature in values during their undergraduate years and be motivated to continue this growth throughout their lives. The college expects students to pursue these goals in both independent and collaborative settings. It provides an environment in which students are active participants in shaping their intellectual and personal development.

Knowledge

Students who demonstrate breadth of knowledge are able to: understand the significance of major intellectual, artistic, and social landmarks of human history; recognize and understand the diversity of people and societies, both historically and cross-culturally; use methodologies from different disciplines with competence and creativity; explore where disciplines intersect, including tensions, differing perspectives, and possibilities for dialogue.

Students who demonstrate depth of knowledge are able to: exhibit proficiency in a core area of knowledge; acquire and develop relevant skills; use appropriate methods to acquire, evaluate and apply knowledge; identify, analyze, assess, and respond to ethical issues arising within fields of inquiry.

Abilities

Students who demonstrate the ability to engage in inquiry are able to: identify, gather, and use relevant information in an ethical and legal manner; analyze sources critically and synthesize information; devise appropriate methods to investigate a problem or issue and provide creative solutions; use appropriate technologies to investigate a problem, analyze information, and communicate results; identify the limitations of findings and develop questions for further inquiry.

Students who demonstrate the ability to reason are able to: critique and construct arguments while making rational judgments about their accuracy and usefulness; construct, interpret, and evaluate mathematical models, including various modes of data and information presentation; solve problems by identifying and applying appropriate strategies.

Students who demonstrate the ability to communicate are able to: write with fluency, clarity, and coherence; read, comprehend, and appreciate various types of literature; speak confidently and coherently in both formal and informal settings; listen with objectivity and empathy; work productively in a collaborative environment.
Values

Students who demonstrate growth in the following values are able to: engage critically in the ongoing dialogue between faith and learning; better understand Christianity and other religious traditions; respond individually and collectively to ethical challenges confronting the world, especially issues related to justice, peace, and the environment; develop a sense of vocation, connecting life’s work with service; cultivate healthy lifestyles, aesthetic sensitivity, and intellectual curiosity.

Requirements for the Degree

To qualify for the bachelor of arts degree, students must complete 128 semester hours of credit with a cumulative grade-point average of 2.0 (C) or higher. The 128 hours must include the following:

- At least 80 credit hours outside the student's major discipline. (Refer to specific majors for variances to this policy).
- 64 credit hours completed in residence.
- 2 January terms. These 2 month-long terms must include a first-year seminar, and one of the following types of experiences: study away, directed readings, student-initiated project.
- All-college requirements, as articulated below:

**Summary of All-College Requirements**

To meet the Luther goals for student learning, all graduates will:

- Find **common ground** in their learning in this place.
- Explore **fields of inquiry**, one in depth and others across the liberal arts.
- Seek an **integrative understanding** of their studies and the relationship of those studies to the larger world.
- Develop the **perspectives and skills** they need as students and in their lives as citizens and professionals equipped for distinguished service.

**Common Ground**

- Paideia 111 and 112
- Religion (two courses)
- Language (one to two courses typical)
- Wellness (two one-credit courses: PE 100 and 110)

**Fields of Inquiry**

- Inquiry in Depth (an eight-to-10-course major typical, some larger)
- Inquiry across the Liberal Arts (six courses, some of which may be satisfied within the major)
Integrative Understanding

- Paideia 450 (ordinarily one course)
- Senior Project (up to one full-course equivalent)

Perspectives and Skills

- Intercultural (one course, often satisfied within other requirements)
- Historical (one course, often satisfied within other requirements)
- Quantitative (one course, sometimes satisfied within other requirements)
- Ethical (satisfied within the major and Paideia 450)
- Writing (satisfied within Paideia 111/112, the major, and Paideia 450)
- Speaking and Public Presentation (satisfied within the first-year January seminar, the major, and the senior project)
- Research (satisfied within Paideia 111/112, the major, and senior project)
All-College Requirements: Detailed Description

Common Ground

Common Ground coursework—focused on the arts of language, the academic study of religion, and the pursuit of human health and well being—serves as a foundation for the curriculum as a whole.

(Note that courses taken to fulfill Common Ground requirements may not be used to fulfill requirements for Inquiry across the Liberal Arts.)

Paideia 111/112: A two-semester common course for all first-year students that addresses questions central to the human condition. It develops students’ ability to read, write, analyze, discuss, and research by engaging with works from across the disciplines, drawn from different time periods and parts of the globe. As a signature course and a foundation for liberal learning, "Enduring Questions" is taught by faculty from all divisions of the college.

Religion: Two courses, one of which must be in biblical studies.

1. Biblical Studies: A course that introduces students to the academic study of the Bible, to the methods of interpreting it, and to extra-biblical sources that contribute to understanding its contexts and significance. This course serves the purpose of introducing students to the methodological study of religion.

2. Second religion course: Religion courses examine, through critical inquiry, human attempts to understand and express varied experiences of the sacred or divine. The study of religion reflects the centrality of religious faith to the mission of the College and its ongoing commitment to fostering a mature dialogue on the relationship between faith and learning. In addition, the study of religion prepares students to understand and engage the crucial role of religious experience in contemporary life.

Language: Foreign language study provides an entrance into another culture and its way of thinking, as well as illuminating one’s own native language. As global trade, cultural interchange, and international conflict shape our lives, language remains no less vital than it was at Luther’s founding. Like Paideia 111/112, language study deepens reading, writing, and speaking skills.

This requirement must be satisfied in one of the following ways:

1. Students wishing to continue in the study of a language in which they have received previous instruction must successfully complete a course at or above the level of third-semester language instruction. Such students will satisfy the requirement with one, two, or three courses, depending on their language proficiency at entrance. A placement examination is available to help students determine the level of proficiency.

2. Students who have studied one language for at least one year in high school (9-12) may satisfy
the requirement by successfully completing the first two courses of another modern or classical language. The Registrar’s Office will review each student’s high school transcript for languages studied and those successfully completed. If a determination cannot be made by a review of the high school record, students selecting this option must provide additional proof to the Registrar’s Office that they have not previously received formal instruction in their chosen language of study.

3. Students with no previous formal language instruction must successfully complete the first two courses of a modern or classical language. The Registrar’s Office will review each student’s high school transcript for languages studied. If a determination cannot be made by a review of the high school record, students selecting this option must provide additional proof to the Registrar’s Office that they have not previously received formal language instruction.

4. Students with very advanced foreign language proficiency may be exempted from this requirement through an examination approved by the classical languages department or the modern languages department. Luther College does not administer proficiency examinations in languages not offered at the college. Luther will recognize the results of proficiency examinations in languages administered by other colleges or by ACTFL (American Council on the Teaching of Foreign Languages). Students whose primary language is not English are exempted from the foreign language requirement; they may not earn academic credit by completing language courses in their primary language.

**Wellness:** Two one-credit courses, the first devoted to personal fitness and wellness, and the second to developing a physical/athletic skill.

1. Personal Fitness and Wellness course (PE 100): A one-credit course focused on the knowledge and skills needed for developing healthy life habits in college and after. This course must be taken during the fall or spring of a student’s first year at Luther.

2. Physical Skills (PE 110): A one-credit course, taken at any point, designed to introduce the student to a physical activity that may be integrated into a lifelong fitness plan. The physical skills requirement will be waived for students who have participated in varsity intercollegiate athletics at Luther for at least two traditional seasons in the same sport.

**Fields of Inquiry: Human Knowledge and Its Methods**

*Fields of Inquiry includes both the concentration of a major and the general exploration of the subjects of the liberal arts: the natural world, human behavior, and the philosophical and artistic expression of human nature and experience.*

**Inquiry in Depth:** Students must either study one discipline in depth through a traditional major or complete an in-depth interdisciplinary study through an individually designed major. Such work includes

- Study of key concepts, methodologies, and applications
- Writing instruction and practice in the discipline or interdisciplinary program
- Speaking instruction and practice in the discipline or interdisciplinary program
- Research in the discipline or interdisciplinary program
- Ethical reflection on the work of the major program and its implications for the larger good

A major will ordinarily require eight to 10 courses, though some programs may be larger. The college requires that students take at least 20 course equivalents outside their major discipline.
Inquiry across the Liberal Arts: Students must complete a course of study that deepens their understanding of the natural world, of human behavior, and of the reflective and creative forms of human expression.

Students will often satisfy two of these six courses within their major. Note that courses taken to fulfill Common Ground requirements may not be used to fulfill requirements for Inquiry across the Liberal Arts.

1. The Natural World: Interpretations and Interventions

Two courses, at least one of which must be laboratory based. Courses that satisfy this requirement investigate the operations, structures, or patterns within the natural world; the history and development of human interpretations of nature; or the effects of science and technology on the natural world.

2. Human Behavior: Individual and Communal

Two courses, at least one of which must use social science methods of systematic observation, comparison, modeling, or hypothesis testing. Courses that satisfy this requirement investigate individual human behavior, or human interactions within political, economic, or cultural institutions, including their change over time.

3. Human Expression: Reflection and Creativity

Two courses, at least one of which must involve substantive study of primary texts, written, oral, or visual. Courses that satisfy this requirement investigate human being, knowing, and moral reasoning; the literary arts; or the visual and performing arts. One of the two courses may be satisfied experientially through music lessons, music ensembles, or theatre/dance participation as defined by the faculty:

- Music Ensemble/Lessons: Four semesters of music lessons and/or certified participation in approved music ensembles. Such participation does not carry academic credit; however, the course does appear on the student’s transcript. (Approved organizations: Aurora, Norsemen, Cathedral Choir, Collegiate Chorale, Nordic Choir, Cantorei, Collegium Musicum, Varsity Band, Concert Band, Wind and Percussion Ensemble, Symphony Orchestra, Chamber Orchestra, Jazz Orchestra, Jazz Band, Philharmonia)

Integrative Understanding: Interdisciplinary and Individual Synthesis

Integrative Understanding calls students to wholeness: to draw together their learning in the major in a senior project, and, in Paideia 450, to draw together insight across disciplinary lines in order to address the ethical dilemmas that students will face as learners, citizens, and professionals. The alternate ways of satisfying Paideia 450 offer the chance for more faculty to contribute to it more often, which can enrich interdisciplinary reflection among students and their teachers.

Paideia 450: A team-taught course for juniors and seniors devoted to interdisciplinary study of an
ethical issue that confronts us in our lives as learners and citizens. Paideia 450 courses pay special attention to the nature of moral decision making and to the continued development of students’ writing skills. Students may satisfy Paideia 450 in one of four ways:

1. By enrolling in a single Paideia 450 course team-taught by faculty from two or more disciplines
2. By co-enrolling in an interdisciplinary cluster of two paired courses specially designed by participating faculty
3. By enrolling in a specially designed sequence of two courses taught by two different faculty members in the same academic year
4. Through the completion of an interdisciplinary minor with a designed Paideia 450 component

Paired or sequenced courses that satisfy Paideia 450 may, as appropriate, satisfy other requirements in the curriculum in major, minor, or Inquiry across the Liberal Arts.

Senior Project: A scholarly study or an artistic work/performance that draws upon a discipline’s methodology and provides a culminating, independent experience of the major. Many senior projects will require formal writing; all senior projects must involve some kind of formal presentation: a poster, formal talk, question and answer session, artistic performance, or other appropriate mode. The senior project may be taken for 1, 2, or 4 credits, depending on the requirements within the chosen program. A student must complete only one senior project to satisfy all-college requirements, but individual programs may require a senior project as part of their major requirements.

Perspectives and Skills

Perspectives: Perspectives are ways of looking at subjects—angles from which we can better understand what we are studying. Intercultural, Historical, and Quantitative perspective requirements may be fulfilled in any designated course and may be satisfied within or beyond a student’s major. The Ethical perspective requirement is fulfilled in Paideia 450 and as part of each major.

1. Intercultural: Focused on the interactions and differences among cultures and peoples within the United States and beyond. This requirement recognizes the economic, political, religious, and cultural reality of globalization, and it affirms that our experience of diversity is always relational. Courses fulfilling this requirement will often include a historical dimension; all give attention to contemporary experience.
2. Historical: Focused on human experience over time. A course fulfilling the historical perspectives component will introduce students to the characteristics, structures, and development of human society over time. This will include an examination of the ideas, events, people, and social configuration of past societies, with attention to source analysis and evolution of historical interpretation of the past. Students will find courses across the curriculum that will challenge them to see their life as part of a continuum in which they are both inheritors of tradition and active makers in the present.
3. Quantitative: Focused on the purpose and applications of quantitative study. Quantitative reasoning is central to citizenship in modern technological society. The ability to think quantitatively enhances one’s general reasoning powers and problem-solving skills. Courses that will fulfill this requirement include the construction and analysis of mathematical or statistical models, significant formal logic components, or problem solving using algorithmic methods.
4. Ethical: Focused on the study of ethical challenges within and beyond the academy and on the
nature of moral decision making. An ethical focus is required as part of each major and is central to the interdisciplinary study of Paideia 450.

**Skills**: Good writing, speaking, and research are the currency of academic life. Skills requirements will be satisfied in these ways:

1. **Writing**: Instruction and practice through Paideia 111/112, Paideia 450, and a designated writing course within the major (W). All writing courses will seek to accomplish these goals:
   - students will learn to craft a piece of writing for an anticipated audience with the appropriate organization, tone, style, and vocabulary;
   - students will develop skills in asking questions, finding and evaluating sources, constructing an argument, using evidence, and documenting sources;
   - students will develop a self-critical approach to writing and an understanding of revision as a means of questioning and of more adequately developing and effectively presenting initial ideas;
   - students will incorporate faculty feedback into at least one piece of writing either through revision or through application to a new assignment;
   - students will develop skills in the mechanics of writing, editing, and proof-reading.

2. **Speaking**: Instruction and practice through the first-year J-term seminar, the major, and the senior project

3. **Research**: Instruction, practice, and application through Paideia 111/112, the major, and the senior project
## All-College Requirements: Legend

### Common Ground

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### Integrative Understanding

| Paid 450 | Paideia 450 |
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January Term

January Term at Luther alters the pace of the academic year by creating opportunities for students to engage in focused exploration of a single subject. January study is often experiential and/or experimental, and it offers students both greater freedom and greater responsibility for their learning. A separate listing of January courses is published online every year. Students can enroll in a maximum of 4 credit hours during each January term.

Students must engage in two J-Term experiences:

1) a 4-credit first-year seminar course (offered on many different topics each January under the course number 185; engages beginning students in significant responsibility for course presentation and interaction with their peers); and

2) a second January experience (2 or 4 credits) that involves one of the following: off-campus engagement, directed readings/research, or student-designed study. The second required January Term may be fulfilled in any year after the first and must engage students in one of the following experiences during January:

1. **Off campus experiences**: Study away (international and domestic) courses, internships that require work off campus, and/or field experiences, including service-learning opportunities. These forms must involve significant off-campus interaction with the broader community, even if students live on campus during January.
2. **Directed readings or research**: Faculty-designed opportunities for students to study selected readings in a given topic, or to be involved in faculty-guided research.
3. **Student-designed study**: An experiential learning opportunity that may involve locations on or off campus. Used by the student who wishes to design a course of independent study not otherwise available in the curriculum.
4. The second January Term requirement may also be fulfilled by completing a **year-long or semester-long study away (international and domestic) course** from the list of courses produced by the Center for Global Learning.

Students can complete a registration form for directed or independent study or research.

Students are encouraged to spend their other two January terms in off-campus experiences, vocational exploration, community service, and/or senior project development. A sample January term pattern over four years might look like this:

- **First year**: completion of a first-year seminar (185) course.
- **Second year**: completion of the second January requirement, as described above.
- **Third year**: an internship or job shadowing, a service project on or off campus, or an individual or group project designed by students and approved through the Registrar.
- **Fourth year**: concentrated work on the senior project.

This is only one example of how Luther students can take advantage of January. Students should begin talking with their academic advisor during their first year to consider options for satisfying the two January requirements and for good use of their time in the other two terms.
Majors and Minors

Majors

Luther College’s liberal education balances the breadth symbolized in the general requirements with the depth possible in an individual major. Each major incorporates a body of knowledge, a methodology, applications, and ethical concerns. Each student must complete one major according to catalog specifications, earning a C average (2.00) or better in the number of hours required in the major. The specific requirements for the various majors are listed under each department in the catalog. In most cases students who transfer to Luther as juniors or seniors will be required to complete a minimum of two courses in the major at Luther. All transfer students must consult with the head of their intended major department as soon as possible after entering Luther College to determine what will be required to complete the major at Luther College.

The following majors are described in the catalog: accounting, Africana studies, anthropology, art, athletic training, biblical languages, biology, chemistry, classics, communication studies, computer science, dance, data science, economics, elementary education, English, environmental studies, French, German, health, history, international studies, management, mathematics, mathematics/statistics, music, Nordic studies, nursing, philosophy, physical education, physics, political science, psychology, religion, Russian studies, social work, sociology, Spanish, theatre, and women and gender studies.

A student may also propose an individualized interdisciplinary major, developed in consultation with a faculty advisor. An interested student should obtain an application form from the office of the registrar. An individualized interdisciplinary major proposal should have sufficient depth in at least two of the disciplines involved to achieve a degree of familiarity with the philosophy, methods, and knowledge base which is at least as great as a person minoring would develop. The courses selected should have a coherent relationship to each other, and the proposal should explain the reasons for the courses chosen and how they fit together.

The individualized interdisciplinary major should meet the following criteria:

1. **GPA:** Applicants should have at least a 3.00 GPA at the time the proposal is submitted. (A person whose GPA is lower than 3.00 may petition for an exception, providing a rationale for the request.)
2. **Number of credits:** The proposed major is expected to have a minimum of 30 credit hours and no more than 40. At least 16 credit hours must be courses numbered above 300.
3. **Approval:** The proposal must be approved by a faculty advisor in consultation with the heads of the departments from which the courses are drawn.
4. **Submission date:** The proposal must be submitted to the registrar prior to December 1 of the student’s junior year.

Minors

Students may designate a minor field of specialization, although minors are not required for
graduation. The requirements for these academic minors are described in the catalog: Africana studies, anthropology, art, art history, Asian studies, biology, chemistry, classics, classical studies, communication studies, computer science, dance, data science, economics, English, English writing, environmental studies, French, German, health, history, international business, international studies, journalism, linguistics, management, mathematics, museum studies, music, Nordic studies, philosophy, physical education, physics, psychology, religion, Russian studies, secondary education, social welfare, sociology, Spanish, theatre, women and gender studies, K–12 teaching of art, K–12 teaching of health, K–12 teaching of music, and K–12 teaching of physical education. Students must have a C (2.00) average in the number of hours required for the minor.

Senior Project

The senior project draws upon a discipline’s methodology and provides a culminating, independent experience of the major. Because presentation and communication of finished projects are typical of a culminating experience, many senior projects will require formal writing and all senior projects will include a formal presentation. A student must complete only one senior project to satisfy the college requirement, but individual departments may require a senior project as part of the major requirement.

Procedures for senior project registration:

1. Students will register for 490 (senior project), and in some disciplines, 491, for the semester during which they intend to complete the requirement. Students are encouraged to register for senior project in the first semester of the senior year.

2. Students with a minimum 3.50 GPA in their major may apply to pursue a year-long senior honors project (493). Applications must be submitted to the Scholars program office by the last class day of the semester preceding the term in which the project begins. The application can be found on the Scholars program website, and requires the signatures of a faculty supervisor, the department head, the scholars program director, and the registrar. Interdisciplinary projects require the signatures of two faculty supervisors. The completed project is evaluated by a review committee consisting of the faculty supervisor, another faculty member from the major department, and a faculty member from outside the major department. All projects must be presented publicly. Only projects awarded an "A" or "A-" qualify for "department honors" designation.

3. The senior project must be submitted to the registrar’s office upon completion and not to the senior project advisor.

4. The final date for submission of the senior project is up to 5 p.m. of the day two weeks previous to the last day of classes in the semester. Students may withdraw from the senior project without record up to 5 p.m. of the day five weeks previous to the last day of classes in the semester. Students who withdraw from the senior project after the day five weeks prior to the last day in the semester but before the final submission date will be given a "W" for the course and will be required to register for the course in a subsequent semester. There will be no extensions, and no incomplete grades will be given. Extra hours charges incurred as a result of registering for the senior project will not be remitted after the fourth week of the semester.

5. When senior projects are received by the registrar’s office, the projects are passed on to the appropriate faculty members for grading.

6. Students are expected to comply with any additional guidelines concerning the senior project that are specified by particular departments.

7. Petitions for exceptions to any of the above prescriptions may be submitted to the Academic Planning Committee; the proposal statement must be signed by the student’s advisor.
Residence

To qualify for the bachelor of arts degree from Luther College, a student must earn a minimum of 64 credit hours in full-time residence at the college. Credit hours earned on study abroad programs associated with Luther College are included in these 64 hours. The registrar and Academic Planning Committee will review requests for exemptions from the 64-credit hour residency requirement. Most professional schools prefer the baccalaureate degree for admission and many of them require it.

Luther permits a student who has completed other requirements for the B.A. degree to transfer into an approved professional school program at the end of the junior year and offer the last 32 hours for graduation from work in the professional school.

Candidacy for the Degree

All members of the senior class must be approved by the department heads before they are eligible to participate in commencement exercises or to receive the bachelor of arts degree. To qualify as a candidate for the bachelor of arts degree from Luther College, a student must have completed all requirements for the degree, or must register in the final semester for all remaining requirements for the degree (or arrange with the registrar to complete them). Students accepted for candidacy are expected to participate in commencement exercises at the conclusion of the academic year.

Second Teaching Areas

Students who seek certification for teaching may declare a second teaching area. In some cases requirements for a second teaching area may vary from those for an academic minor. This is an Iowa licensure designation only. The addition of a second teaching area may, in some instances, be accompanied by additional Education Department coursework. Students desiring a second teaching area should consult with the education department for details.
Policies and Procedures

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- Registration of Full-Time Students
- Registration of Part-Time Students
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- Class Attendance
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- Auditing Courses
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- Administrative Withdrawal
- Student Presence on Campus While Separated from the College
- Readmission Requirements after Withdrawal

Calendar

Luther’s academic year consists of a fall semester, January Term, and spring semester (see the Academic Calendar). This calendar allows Christmas vacation after final examinations for the fall semester, fall and spring vacations after mid-terms.

The January term at Luther alters the pace of the academic year by creating opportunities for students to engage in focused exploration of a single subject. January study is often experiential and/or experimental, and it offers students both greater freedom and greater responsibility for their learning. A separate listing of January courses is published online every year. Students are required to complete two January terms while enrolled at Luther, one of which is the first-year seminar.

Two four-week summer sessions are offered, one in June and the other in July. Students normally take one four-hour course each session. These sessions, as well as special institutes not offered during the regular school year, are open to Luther students, students from other colleges and universities, teachers in elementary and secondary schools, and other special students. Some courses are open to high school students who are in the top quarter of their high school class academically and will be entering their junior or senior year the following fall. A special bulletin for the summer school with detailed course information is available online each March.
Registration of Full-Time Students

All students are expected to register during the official registration days which are scheduled on the college calendar. Students who fail to complete financial arrangements by the first day of classes are charge a late registration fee.

Each student has a faculty advisor who gives aid and counsel in the selection of a course of study. The advisor is assigned in the first semester of enrollment. When a student has decided on a major, that student should select as advisor a member of the department of that major. Each student arranges a course schedule in consultation with the advisor and is invited to counsel with him or her on academic and related matters during the course of the semester.

Registration does not go into effect until the student has made settlement for the semester charges at the Financial Services office. Until such settlement has been made, the student is not entitled to participate in any class or any individual lesson.

Registration of Part-Time Students

A student who has not been formally admitted to Luther College, planning to take courses on a part-time basis, registers on the first day of classes at the registrar’s office, and is allowed to select courses from the full range of courses offered for the term, provided all prerequisites associated with the courses have been met. Registration is on a space-available basis. Until formally admitted, a part-time student may enroll in consecutive semesters, but must wait to register at the start of each semester.

Class Load

The average annual class load for full-time students is 33 semester hours. This annual average includes courses taken during the fall semester, the January Term, and the spring semester. Normally, a student will register for three or four courses (four hours each) in a semester and one course (4 hours maximum) during two of the four January Terms. Only a student with a grade point average of 3.00 or above should consider a semester class load in excess of 17 hours. Any student who wishes to register for more than 17 hours during the fall or spring semester, or more than 4 hours during the January term or summer sessions, must first secure permission from the registrar.

An extra hours fee is charged for each hour of credit in excess of an annual load of 36 hours. Extra credit hours are determined based on the total number of credit hours a student has registered for in the academic year, which includes fall, January, and spring terms. Credit hours for courses dropped without academic record are excluded from this calculation. Additional information on the extra hours fee can be found on the Financial Services website.

The minimum class load for full-time students is 12 semester hours. Under special circumstances, with the permission of the registrar and the dean for student life, a resident student may be permitted to register for fewer than 12 semester hours.

Class Attendance

Regular class attendance is expected at Luther. Each instructor determines the attendance policy
for his or her classes. If an instructor requires attendance, he or she has the authority to excuse the student. It is the responsibility of the student who is absent from class, whether excused or unexcused, to take the initiative to contact the teacher to learn about work missed and about upcoming assignments. When a student’s absence from class jeopardizes his or her class standing, it may be reported to the Student Academic Support Center (SASC).

**Academic Transcript**

A permanent academic record is prepared for every student registered at Luther College. The record is maintained in the registrar’s office, and administered in accordance with the Family Education Rights and Privacy Act of 1974.

**Changes in Registration**

Changes in registration are to be completed using the college’s online registration system (my.luther.edu). Students are encouraged to consult with their advisor before any changes are made.

Refer to the college academic calendar for a listing of the course add and drop dates in each semester.

In 1985, the faculty approved a "no-drop" policy for Paideia 111 and 112. Therefore, a student cannot withdraw from Paideia 111 or 112.

**Auditing Courses**

Full-time students wishing to attend a class without taking examinations or receiving college credit may do so with the consent of the instructor and the registrar. The student must have a cumulative average of 3.00 or above, register for the course as an audit, and attend classes regularly. There is no charge to full-time students for auditing a course.

Area residents wishing to attend class without receiving college credit may do so by registering for the course as an audit. This requires the consent of the instructor and the registrar. The charge to area residents for auditing one course is $100 plus any additional fees required for the course (i.e., music lesson charges, specific course fees, etc.) Registration for area residents occurs on the first day of classes, if space is available in the course. Area residents are limited to auditing one course per term.

Students may complete the application for auditing a course on the Registrar’s Office website.

**Repeating Courses**

Students who repeat courses for the purpose of improving their grade point average cannot receive credit for the course every time it is taken. The grade that stands is the one for the most recent time the course is taken. No change is made in the grade point average for the semester in which the course is repeated, nor is the course (and grade) removed from the transcript, but the cumulative grade point average is changed to show the reduction of hours and grade points repeated.
Courses repeated at another institution will not be accepted for transfer when credit has already been earned, with a grade of D- or above or grade of credit, at Luther.

Independent Study

Students may register for individualized courses of study for independent study credit in each department (specific requirements may vary by department). Types of independent study include:

285: Directed Study. An opportunity to pursue individualized or experiential learning with a faculty member in the January term, at the sophomore level, either within or outside the major.

295: Directed Study. An opportunity to pursue individualized or experiential learning with a faculty member in the fall, spring, or summer term, at the sophomore level, either within or outside the major.

375: Directed Readings. An opportunity to pursue a specialized area of the discipline for which course offering are limited by following a prescribed reading list under the direction of a faculty member. Prerequisites and requirements vary by department.

389: Directed Research. Involvement in a research project under the supervision of department faculty. Recommended for students who expect to attend graduate school. Prerequisites and requirements vary by department.

395: Independent Study. Used by the student who wishes to design a course of independent study not otherwise available in the curriculum. Prerequisite of 12 semester hours in the department of study. Requires detailed proposal of study written in consultation with instructor.

## Course by Arrangement.

Method of taking a regular curricular offering (same course number, description, and credits as listed in the catalog) by special arrangement or under special conditions outside the typical classroom setting. Note: Course by arrangement does not satisfy the J-Term II requirement.

The J-term II requirement can be completed with a 285, 375, 389, or 395 for 2 or 4 credits ONLY when completed in January. Can be graded CR/NC.

The student who wishes to design a course of independent study should outline a proposal on the official application form, obtain written approval from the instructor who will direct the course, his or her advisor, and the head of the department in which the study is done. A student may take no more than four hours of independent study in one semester.

Internships

Departments which offer internship credit for majors provide a list of appropriate internships normally under course number 380 (graded credit/no credit) or 381 (graded A-F). Prerequisites and requirements vary by department. Internships normally should be used to acquire experience in the application of knowledge rather than substitute for the academic content or methods taught in a major. Students wishing to register for internship credit should obtain application materials from the Career Center.
Credit/No Credit Grading

Courses which are not taken to satisfy all-college requirements and are outside the requirements for the major or minor may be taken for credit/no credit grading by sophomores, juniors, and seniors in good standing with the following provisions:

1. Not more than one course in a semester and not more than two courses per academic year may be taken for credit/no credit; the maximum number of courses is six.
2. The work of a student enrolled on a credit/no credit basis is treated in all respects like the work of regularly enrolled students.
3. The student must authorize credit/no credit grading for a full-semester course in the first eight class days of the semester or in the first four days for a seven-week course. He or she may cancel the authorization at any time up to the final day of classes in the semester or half-semester and receive the earned letter grade. If the authorization is not canceled, grades of A, B, and C are recorded on the transcript as CR; grades of D and F are recorded as NC. A student who receives a grade of D in a course where credit/no credit grading has been authorized may elect to have the D recorded on the transcript in place of the NC within 30 days of receiving the grade report.
4. The number of courses permitted on a credit/no credit basis is exclusive of any courses offered on a credit/no credit basis only. Further, any student, including first-year students, may also register for one-credit physical education activities on a credit/no credit basis. Such courses taken on a credit/no credit basis may be used to fulfill graduation (but not all-college) requirements.
5. Internships and other individualized courses (directed study, directed readings, directed research, independent study) may be taken to fulfill the J-term II requirement on a credit/no credit basis, without effect on the number of other electives a student may choose to designate as credit/no credit in any given academic year.

Students may complete the application for authorizing credit/no credit on the Registrar’s Office website.

Credit by Special Examination and Advanced Placement

In order to provide a means whereby a mature student may obtain credit in a subject in which he or she has attained mastery through intensive private study or experience, the college has instituted a system of credit by comprehensive examination. For credit earned by special examination the charge is $50 per course. Each academic department is responsible for establishing eligibility requirements for the examinations and for administering them. Credit by examination is available for most courses offered on campus but the student should discuss the course requirements with the department head.

Some academic departments will award advanced placement credit based on successful completion of coursework in the department. For example, advanced placement credit in mathematics is dependent on successful completion of a second or third calculus course. Advanced placement credit in computer science is dependent on successful completion of computer science 151 or one of the other computer science courses required for the major. Computer science 150 is the lowest numbered course for which advanced placement credit will be considered.
Student Classification

Students are classified according to the number of semester hours and grade points they have earned as follows:

**Sophomore:** 27 semester hours, 54 grade points

**Junior:** 60 semester hours, 120 grade points

**Senior:** 94 semester hours, 188 grade points

Students who register for fewer than 12 hours are classified as part-time students.

Grades

The transcript of a student’s academic record will include all courses from which he or she has not withdrawn prior to the end of the first four weeks of the semester (first three weeks of a half-semester course). The following notations and grade point values are used:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td>A-</td>
<td>3.7</td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
</tr>
<tr>
<td>C-</td>
<td>1.7</td>
</tr>
<tr>
<td>D+</td>
<td>1.3</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
</tr>
<tr>
<td>D-</td>
<td>0.7</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
</tr>
<tr>
<td>Grade</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
</tr>
<tr>
<td><strong>Cr</strong></td>
<td>For courses taken on a credit/no credit basis (refer to regulations concerning registration on a credit/no credit basis) in which the student earns no less than a C- grade.</td>
</tr>
<tr>
<td><strong>No Cr</strong></td>
<td>For courses taken on a credit/no credit basis in which a student earns less than a C- grade.</td>
</tr>
<tr>
<td><strong>W</strong></td>
<td>For courses from which a student withdraws after the first four weeks of the semester (first eight days of a half-semester course) and up to 5 p.m. of the day five weeks previous to the last day of classes in the semester. Also for courses from which a student withdraws as part of a withdrawal from the college after the eighth week of the semester with the approval of the Student Life Office and the Dean’s Office. Discontinuing a course without an approved withdrawal results in a grade of F.</td>
</tr>
<tr>
<td><strong>WR</strong></td>
<td>For courses from which a student withdraws within the first four weeks of the semester.</td>
</tr>
<tr>
<td><strong>I</strong></td>
<td>The grade of incomplete is used only when a student has done passing work, D- or better, and because of circumstances beyond his or her control has failed to complete the required work for the course. It is not used to give a failing student an opportunity to redo unsatisfactory work or to allow more time to complete the work when the reasons for the delay have been within the student’s control. The work must be completed and submitted to the instructor by the last day to add a full semester course of the subsequent fall or spring semester or the I is replaced by a failing grade. An instructor may recommend to the registrar an extension of this deadline in cases of special hardship. An incomplete grade cannot be given for the senior project.</td>
</tr>
</tbody>
</table>

**Grade Point Average**

1. All courses for which a grade of A, A-, B+, B, B-, C+, C, C-, D+, D, D-, or F is recorded are computed in the grade point average.
2. The grade point average is determined by dividing the total number of grade points a student has earned in courses graded with A, A-, B+, B, B-, C+, C, C-, D+, D, D-, or F by the number of semester hours of work for which he or she received such grades.
3. Credits and grade points for work transferred from other schools are not counted in determining the Luther College grade point average.

**Final Grade Appeals**

If a student feels that his or her grade in a course is inconsistent with explicit standards, then he or she should first make an effort to resolve the matter by registering a complaint with the instructor. In the event that this fails to produce a resolution, the student may submit a formal petition to the department in question. This petition should express the grievance and give just cause for the department to intervene. Should the department support the actions of the instructor, then the matter is closed with no further institutional recourse to the student. A department may wish to refer the issue to the dean of the college for final resolution.

When a student feels that his/her academic evaluation has not been fairly rendered, he/she has 30 days after the release of the final grades by the Registrar’s Office to file an appeal.
Honor System

The student-initiated honor system, administered by the Honor Council, applies to all aspects of the academic life of the student, including, but not limited to, written tests, quizzes, examinations, and assigned written or oral work. Violations of the Honor Code come under the jurisdiction of the Honor Council, composed of and elected by students, and a faculty advisor.

From the preamble: "We, the members of the student body of Luther College, believe that one of the basic functions of an institution dedicated to the Christian faith and engaged in higher education is the development of academic integrity and responsibility. We therefore hereby resolve to uphold individually and collectively the honor of the college by doing all that is within our power to prevent any form of dishonesty in our academic work and our college life. We manifest our conviction in this Honor Code for all students at Luther College."

View the Honor Code in its entirety on the Academic Integrity website.

Financial Aid and Academic Progress

Federal regulations and college policy require students to maintain academic progress in order to receive financial aid. See the Consumer Information section of the Financial Aid website to review the Satisfactory Academic Progress Policy document.

Academic Warning, Probation, and Dismissal

Graduation at Luther College requires a minimum grade point average (GPA) of 2.00 for 128 hours of course work. Any student whose Luther GPA falls below 2.00 will either be issued an academic warning, placed on academic probation, or dismissed from Luther College. The Committee on Academic Progress will issue a written notice of academic warning, probation, or dismissal to the student and the academic advisor.

Academic Warning: Students will be issued an academic warning when they have one of the following: (1) A Luther GPA of less than 2.00 but above the minimum level for academic probation; or (2) a Luther GPA of 2.00 or higher but have obtained a semester GPA of less than 2.00 and higher than 0.99. The academic record of students who receive an academic warning for more than one semester will be reviewed for possible placement on academic probation.

Academic Probation: The following table indicates the minimum GPA needed in order to avoid being placed on academic probation. Both hours and GPA are based on Luther work only.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Cumulative GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0–26</td>
<td>1.75</td>
</tr>
<tr>
<td>27–59</td>
<td>1.90</td>
</tr>
<tr>
<td>60–93</td>
<td>2.00</td>
</tr>
<tr>
<td>94–</td>
<td>2.00</td>
</tr>
</tbody>
</table>
Students will also be placed on academic probation when their Luther cumulative GPA is at or above these minimum GPA guidelines and they obtain a semester GPA of less than 1.00.

Students who are placed on academic probation must meet with both their academic advisor and an advisor from the Student Academic Support Center to develop an academic recovery plan. Students on probation who improve their cumulative GPA to the minimum level or higher will be removed from academic probation.

In compliance with NCAA Division III rules, students on academic probation may not compete on any intercollegiate athletic team. The faculty committee that monitors the academic progress of students may restrict participation in recognized campus organizations or activities for any student on academic probation.

**Academic Dismissal:** Students will be dismissed from Luther College when their cumulative GPA falls below 1.00. Students on academic probation also risk dismissal from Luther College. Full-time students on probation will be dismissed

1. if they earn a term GPA of less than 2.00 (12 hours minimum fall or spring, 4 hours minimum January Term), unless the term GPA raises the cumulative GPA above the minimum level for academic probation;
2. if they remain on academic probation for three consecutive semesters;
3. or, if they fail to adhere to the conditions of enrollment established by the Committee on Academic Progress.

The time period of dismissal will be for at least one semester (fall or spring). Students requesting to return to Luther after the dismissal period must have approval from the Committee on Academic Progress. Students may initiate the readmission process by contacting the Registrar’s Office.

**Itinerant Status**

An itinerant student is defined as a Luther College student who intends to participate in an off-campus academic program under the auspices of an accredited college or university other than Luther College, provided prior approval has been granted. Such a program may be a foreign study program or a course of study at another American university, used to enhance the major program at Luther. This is normally done during the sophomore or junior year.

See the registrar for an application for itinerant status. A student with itinerant status is considered an enrolled student of Luther College. This status is important for the purposes of being eligible for student loan deferments and for consideration of financial assistance under federal regulations. Itinerant students are not required to apply for readmission.

**Withdrawal**

Students who wish to withdraw from the college, or withdraw from all courses during the semester, must take formal action to do so. The appropriate form is available at the Student Life Office. This procedure applies whether the decision to withdraw occurs during the semester, or at the conclusion of the term. Completion of the form and the approval of the Student Life Office and Dean’s Office allows the appropriate offices to terminate the enrollment status of the student according to a specific date.
Tuition and fees are refunded as shown under refunds in the section on college costs. Students who wish to return to Luther must reapply for admission by contacting the Student Life office. Please see "Readmission Requirements after Withdrawal" for additional information.

Administrative Withdrawal

Students are expected to be properly registered for courses and abide by drop/add and late registration changes according to all existing procedures in the Luther College catalog and all officially posted deadlines; and to attend all courses in which they are enrolled.

In certain circumstances, a student may be administratively withdrawn from his/her courses. While the college reserves the right in each instance to determine when administrative withdrawal appears appropriate, normally this process will be initiated when a student is not attending the courses for which he or she is registered, or attendance and work for over half of those courses are erratic, and after one or both of the following conditions have occurred:

- The student does not respond appropriately to reasonable requests from faculty instructors, his/her advisor, the Registrar, the VP/Dean for Student Life, and other College personnel for explanation of nonattendance;
- The student is on academic probation and is not following through with expectations for academic recovery.

If the student has authorized disclosure of educational records to his/her parent(s)/guardian(s) under FERPA, the student’s parent(s)/guardian(s) may be notified.

Student Presence on Campus While Separated from the College

Students who have been separated from the college through academic dismissal, suspension for disciplinary reasons, or for medical reasons do not have the rights and privileges accorded to full-time enrolled Luther students. Such students are expected to absent themselves from campus and to visit only with permission, given in advance, by the Student Life Office. Failure to abide by this expectation may adversely affect the decision to readmit a student.

Readmission Requirements after Withdrawal

Students who wish to return to Luther must reapply for admission by contacting the Student Life Office. Reapplication requires a statement of intent to return and supporting evidence for readiness to rejoin the college. The Admissions Sub-committee will review the requests from students who were on probation at the time they withdrew, or who were academically dismissed from the college. Other students who wish to return to the college will be reviewed by the Student Life Office and the Dean’s Office.
Curriculum

Course Organization

For convenience of reference the courses are listed alphabetically by discipline. When applicable, the current department head and/or program director name is included with each discipline listing. Information on general education requirements can be found on the related legend and detailed description pages.

Course Numbers

Courses numbered 100 and 200 are lower division courses, normally intended for first-year students and sophomores; those numbered 300 and 400 are upper division courses, normally intended for juniors and seniors. The college reserves the right to change course offerings as it deems necessary.

Special Topics

Periodically, topics not included in the regular curriculum will be offered. Subjects will generally reflect a narrow focus and specific interests of the faculty. Lower division special topics will carry the number 139 and 239 while upper division offerings will be numbered 339 and 439. If a special topics course is to be offered a third time, it must be approved for regular listing in the catalog.

Divisional Structure

Departments are grouped into three divisions to facilitate integration of the various disciplines into a liberal arts curriculum, to provide a forum for faculty discussion of common programs and interests, and to assist in the planning of interdisciplinary academic programs.

Division of Mathematics, Science, and Physical Education
Biology, Chemistry, Computer Science, Health and Physical Education, Mathematics, Nursing, Physics

Division of History and Social Sciences

Division of Humanities and Fine Arts
Classics, English, Modern Languages, Literatures, and Linguistics, Music, Philosophy, Religion, Visual and Performing Arts
Accounting

Steve Holland (department head)

The accounting major prepares students for career opportunities in public accounting, corporate finance, manufacturing, government service, health care, and nonprofit organizations. Students are also encouraged to design their Luther College curriculum to support future graduate studies.

Required for the major: The foundation courses which include ECON 130; MGT 150 or MATH 115 or an equivalent statistics course; ACCTG 150; MGT 250; MATH 141 or MATH 151. Also required are ACCTG 250, 353, 354, 358, 365, 467, 468, 490. The ACCTG 490: Senior Project course is required to complete an accounting major. Writing requirement completed with ACCTG 467. Suggested electives include ECON 247, 248, MGT 353 and MGT 361. Students must achieve at least a C average (2.0 GPA) in the foundation courses. Courses in which grades below C- are earned will not count toward filling the foundation requirements. These foundation requirements should be completed by the end of the sophomore year. (Accounting courses numbered above 300 are intended for students with junior standing.)

Students majoring in this area are urged to consider the following courses as electives: COMS 132, SOC 101, POLS 130, PSYC 130. Students planning on graduate study should consider MATH 240, 321, and MATH 322.

The credit hours required for the accounting major must be earned in regular classroom courses. Credits earned through directed readings, independent study, internships, and the senior project may not be counted toward the total hours required for the major.

Students interested in specific professional exams, e.g., CPA, CMA, CIA, should seek the advice of an accounting faculty member.

States require 150 credit hours of postsecondary education prior to licensing as a CPA. Because of the state-by-state variation in these requirements, students interested in the CPA certification should consult with an accounting faculty member to plan their program of study.

Accounting Courses

ACCTG 110 Introduction to Accounting

 crave 2 hours

Prerequisites: First-year or sophomore standing

A course specifically for students who have had no prior study, at any level, of bookkeeping or accounting. All aspects of the accounting cycle are covered. Open to first-year or sophomore students.
ACCTG 150 Fundamentals of Accounting

4 hours
Prerequisites: ACCTG 110

The course provides a basic understanding of financial and managerial accounting concepts, principles and procedures. Emphasis will be placed on the use of accounting information by management, creditors and stockholders. Course coverage includes accounting for inventory, receivables, long-term assets, short and long-term debt, stockholders equity, financial statement analysis, cost behavior analysis, manufacturing operations, budgeting and variance analysis. The prerequisite may be satisfied with a high school accounting/bookkeeping course.

ACCTG 250 Managerial Cost Accounting I

4 hours
Prerequisites: ACCTG 150

This course examines the central role of managerial and cost accounting in the decision-making process of an organization. Topics include cost-volume-profit analysis, job costing, activity-based costing, flexible budgeting, variance analysis, inventory valuation, and cost behavior.

ACCTG 353 Intermediate Accounting I

4 hours
Prerequisites: ACCTG 250 and junior standing

Deals with financial accounting concepts and practice. Provides an expansion of the basic fundamentals of accounting procedure. Includes intensive coverage of the asset and liability sections of the balance sheet. Student applies accounting theory, standards, principles, and procedures to accounting problems. Requires junior or senior standing.

ACCTG 354 Intermediate Accounting II

4 hours
Prerequisites: ACCTG 353

Further coverage of financial accounting concepts and practice. Includes intensive coverage of the stockholders' equity section of the balance sheet, the statement of changes in financial position, and other special topics, including pension costs, leases, and income tax allocation.

ACCTG 357 Accounting for Government and Nonprofit Entities

2 hours
Prerequisites: ACCTG 150 and junior standing

Introduction to governmental and nonprofit accounting financial reporting principles, procedures, and analysis. The integration of sustainable decision making into government and nonprofit communities is emphasized. Junior standing required.
ACCTG 358 Managerial Cost Accounting II

4 hours  
Prerequisites: ACCTG 250

Advanced course in managerial and cost accounting concepts and practice. Topics include profitability analysis, cost allocation methods, cost management, process costing, inventory management, capital budgeting, transfer pricing, and performance measurement.

ACCTG 365 Advanced Accounting

4 hours  
Prerequisites: ACCTG 354

Accounting for mergers and consolidations, partnerships, foreign currency transactions, segment reporting, theoretical concepts of value and measurement, and special problems of various industries.

ACCTG 467 Auditing and Assurance Services

4 hours  
Prerequisites: ACCTG 354 and senior standing

Emphasizes the analysis of an entity’s business strategy, identification of risks, mapping of business processes, evaluation of internal controls, and the implications of each of those analyses on the quality of financial and non-financial information. The accounting profession’s standards and prescribed procedures for financial statement audits are a significant component of the course. Legal responsibilities and professional ethics naturally integrate with the course content. Students learn how accounting professionals exercise judgement, examine client financial statement assertions and document a problem's analysis, the procedures applied, and the conclusions reached. Writing instruction and practice are incorporated to realistically reflect the practice of accounting. Open only to seniors.

ACCTG 468 Federal Income Taxation

4 hours  
Prerequisites: ACCTG 354 and senior standing

Analysis of the individual income tax, with emphasis on the economic and legal effect on the individual taxpayer. Much of the material is relevant to the taxpayer in the business environment, including taxation for the proprietor, partnership, and basic concepts of corporate taxation. Open only to seniors.

ACCTG 485 Seminar

1, 2, or 4 hours
ACCTG 490 Senior Project

4 hours

The course integrates knowledge and competencies gained from previous accounting courses. Students work in a group environment to study and discuss contemporary issues in accounting theory and practice. Students must demonstrate the ability to investigate a specific area of research and present the results in both a written document and a presentation to an audience of peers and faculty.
Africana Studies

Novian Whitsitt (department head)

Africana Studies involves a critical study of the peoples of Africa and the African diaspora throughout the United States, the Caribbean and elsewhere in the world. Africana Studies examines the histories, cultures, and literatures of African peoples within both national and international contexts. Since the subject matter of Africana Studies embraces a wide spectrum of topics and issues, the program is multidisciplinary, with its main thrusts in the social sciences and the humanities. It also provides an excellent opportunity for social science and humanities majors to gain valuable career-related insight into the African and African-American experiences.

Required for a major: AFRS 135; AFRS 147 or AFRS 251; AFRS 171 or AFRS 172; plus four additional courses in the department; and AFRS 490 senior project (unless fulfilled in another major). Writing requirement completed with AFRS 251/ENG 251/WGST 251.

Required for a minor: AFRS 135, plus four other courses in the department.

Africana Studies Courses

AFRS 135 African-American History

4 hours
✓ Fulfills: Human Behavior, Intercultural, Historical

This course is a survey of African-American history from the 15th century to the present. Eras and topics include the trans-Atlantic slave trade, slavery in the Americas, the Civil War and Emancipation, segregation, the Great Migration, the Great Depression and World War II, the modern black freedom struggle, and the post-civil rights era. The class emphasizes how African Americans constructed individual and collective selves, created livelihoods, formed families, communities, and institutions, fashioned cultures, defined citizenship, and consistently defied notions of a monolithic “black community.” Centering African Americans’ words, actions, and artistic creations and the ways they interacted with other cultures and peoples within the Americas and abroad, this course investigates how African Americans shaped and were shaped by the many worlds they traversed. (Same as HIST 135).

AFRS 147 Literature of the African Peoples

4 hours
✓ Fulfills: Human Expression—Primary Texts, Intercultural, Historical
✓ Prerequisites: PAID 111 or transfer equivalent.

Modern African writers are some of the most dynamic and innovative writers as they draw from and respond to different literary traditions, such as their own oral and written traditions, as well as European models. This course serves as an introduction to the various themes and styles of written
literature of the 20th century. Central to discussion will be an analysis of gender within various African cultural contexts. Understanding constructions of masculinity and femininity, dominant female and male roles in society, and the ways in which the works challenge traditional norms of gender will be priorities within applied theoretical approaches. (Same as ENG 147 and WGST 147)

**AFRS 171 History of Africa to 1880**

- 4 hours
- Fulfills: Human Behavior, Historical

Survey of African history from the earliest times to roughly about 1880. The course begins with the historical development of Africa’s still-vital cultural, linguistic, social and economic systems and moves on to examine the Islamic and Christian impact on these systems through the era of Atlantic slave trade. The course concludes by discussing the ways in which early European colonialism affected the African past. (Same as HIST 171).

**AFRS 172 History of Modern Africa**

- 4 hours
- Fulfills: Human Behavior, Intercultural, Historical

This course surveys the history of sub-Saharan Africa from the 1880s to the present. The course examines African life under European colonial domination (from about 1880 to about 1960) and under independent states which succeeded colonial governments after 1960. A primary aim of this course is to explore the diversity of human experience in Africa during the colonial and post-colonial periods. The course makes use of several primary documents to portray ways in which men and women have dealt with the challenges of living in 20th- and 21st-century Africa. (Same as HIST 172)

**AFRS 221 Anthropology in East Africa: Forces of Culture Change Among the Massai**

- 4 hours
- Fulfills: Human Behavior—Social Science Methods, Intercultural

The Maasai pastoralists of Tanzania and Kenya are experiencing rapid culture change in response to global, national, and local forces. In this course we will study “traditional” Maasai culture and examine the ways in which the Maasai of northern Tanzania are adapting to changing social, political, economic, and environmental conditions. Topics to be explored include the shift from herding to agropastoralism; the tension between traditional and formal modes of education; the adoption of Christianity in place of or alongside traditional religion; changes in coming-of-age rituals; cultural dimensions of health, illness and healing; challenges to traditional gender ideology; the Maasai relationship to their environment; and the impacts of ecotourism, cultural tourism, and wildlife conservation programs on the pastoral way of life. From bases near the city of Arusha and the small town of Monduli students will interact with Maasai people in urban and rural marketplaces; in schools, medical facilities, and places of worship; and at Maasai bomas (family compounds) in the bush. We will also visit the Ngorongoro Crater Conservation area and the Oldoinyo Lengai volcano and pilgrimage routes in in order to explore the tension between pastoralism, wildlife conservation programs, and tourism. Offered January term. (Same as ANTH 221)
AFRS 235 The Civil Rights Movement

☐ 4 hours
☑ Fulfill: Human Behavior, Historical

In the mid-twentieth century, black and white Americans fought (and many died) for greater rights and freedoms denied by a justice system enmeshed in Jim Crow inequality. For the past twenty-five years or so, most American schools taught the Civil Rights Movement as an unparalleled success, but in the 21st century, more and more people are asking why there is racial violence and economic inequality if the Civil Rights Movement accomplished what the high school textbooks say it did. In this class, we will examine the legal, political, economic, and social reforms that the activists of the Civil Rights Movement demanded, along with the pervasive backlash that limited their successes. We will use the scholarship from history and Africana Studies to investigate these questions, in addition to a range of primary sources including speeches, music, film, television, memoirs, oral histories, and photography. (Same as HIST 235)

AFRS 240 Africana Women’s Writing

☐ 4 hours
☑ Fulfills: Human Expression—Primary Texts, Intercultural
☐ Prerequisites: PAID 111 or transfer equivalent

A study of writing by selected Africana women writers from Africa, the Caribbean, the United States and elsewhere in the African diaspora. Topics may vary by geographic region or theme. (Same as ENG 240, WGST 240)

AFRS 247 History of Jazz

☐ 4 hours
☑ Fulfills: Human Expression—Primary Texts, Historical, Intercultural

A survey of the history and development of jazz, from the 1890s to the present. Includes origins and early jazz through the modern jazz era. Listening activities focus on the major figures of each historical period. Offered alternate years. (Same as MUS 247.)

AFRS 251 African-American Literature

☐ 4 hours
☑ Fulfills: Human Expression—Primary Texts, Intercultural
☐ Prerequisites: PAID 111 or transfer equivalent.

A survey of African-American literature with special attention to the intersection of race, class, and gender as writers engage with the struggle to achieve the democratic promises of freedom, justice and equality. Primary emphasis will be on literature written since 1920 when the Harlem Renaissance began. Includes authors such as Frederick Douglass, Harriet Jacobs, Langston Hughes, Richard Wright, Zola Neale Hurston, Ralph Ellison, James Baldwin, Alice Walker, and Toni Morrison. (Same as ENG 251 and WGST 251)
AFRS 271 African Diaspora

4 hours
✓ Fulfills: Human Behavior—Social Science Methods, Historical, Intercultural

This course explores the global experiences of people of African descent. Students will study the human experiences of Africans in the Indian Ocean world, the trans-Saharan trade and the Trans-Atlantic slave trade. Geographical areas include Asia, the Caribbean, and Latin America. Particular attention will be given to the web of interrelated histories, social dynamics, political, and economic processes affecting and reflecting world cultures and histories. (Same as HIST 271)

AFRS 331 Topics in African American History

4 hours
✓ Fulfills: Historical, Human Behavior—Social Science Methods
✓ Prerequisites: PAID 112 or the equivalent

In-depth study of a selected topic in African American history. Instruction in this course will require students to read and access monographs written by prominent historians related to the topic. This course will require intensive engagement with primary and secondary sources in writing. Topics may include but are not limited to: Black Family History; Black Urban History; The Hip Hop Generation, 1975-2015.

AFRS 345 Constructs of Race and Racialization

4 hours
✓ Fulfills: Human Behavior—Social Science Methods, Intercultural
✓ Prerequisites: SOC 101

This course examines the social construction of race as a concept and the racialization of US society. An assessment of how racialization has changed over time and has created various interactions between groups from Whites and enslaved Africans, Mexicans and Native Americans to present day race relations. We also examine how racialization both determines and impacts social structures and the attainment of societal honors, rewards and power in modern society. (Same as SOC 345)

AFRS 371 Topics in African History

4 hours
✓ Fulfills: Human Behavior—Social Science Methods, Historical
✓ Prerequisites: PAID 112 or transfer equivalent.

In-depth study of a selected topic in African history. Instruction in this course will require students to read and assess monographs by African historians on the topic. Topics may include but are not limited to apartheid in South Africa and Zimbabwe, decolonization, nationalism, environmental history of sub-Saharan Africa. (Same as HIST 371)
AFRS 391 Topics in Africana History

☐ 4 hours
☐ Fulfills: Historical, Human Behavior—Social Science Methods, Intercultural
☐ Prerequisites: PAID 112 or transfer equivalent

In-depth study of a selected topic in Africana history, emphasizing links between the African continent and the African diaspora. Instruction in the course will require students to read and assess monographs written by prominent historians related to the topic. This course will require intensive engagement with primary and secondary sources in writing. AFRS 391/HIST 391 explores how people of African descent on the continent and in the diaspora interacted with each other and with European colonial powers. The course explores interactions across empire and national boundaries as well as between different cultural groups. Topics may include but are not limited to: Comparative Slavery, Pan-Africanism, Black Internationalism.

AFRS 485 Junior/Senior Seminar

☐ 4 hours

AFRS 490 Senior Project

☐ 1, 2, or 4 hours
Anthropology

Britt Rhodes (department head), Lori Stanley (program director)

Anthropology is the study of human societies and cultures across space and time. In the spirit of the North American tradition, our program draws upon a four-field approach that includes attention to cultural anthropology, archaeology, biological anthropology, and linguistic anthropology. Anthropology strives to understand cultural and biological diversity in a holistic way, inspired by the humanities and the social and natural sciences. This anthropological approach is enriched by Luther’s liberal arts education with its emphasis on interdisciplinarity, commitment to community, and ample opportunities for study and research abroad.

The four-field emphasis of Luther’s anthropology program provides the opportunity to examine central questions concerning the human condition today and in the past. These include a range of contemporary issues, such as the impacts of extractive industries on the sustainability of the natural environment and local communities, language death and linguistic diversity, the self-determination of indigenous peoples, gender ideologies, and cultural influences on health and illness around the globe. Further, archaeological and biological perspectives provide insights into the dynamic nature of ethnic and cultural identity and technological change in prehistoric North America and the ways that our evolutionary heritage has shaped our modern physiology.

The anthropology major is founded upon five core courses that define the holistic nature of the discipline. The 100-level core courses introduce students to the major subfields of anthropology; cultural anthropology, biological anthropology, archaeology, and linguistic anthropology. The 200-level research methods courses are designed to equip students with the tools and framework needed to conduct anthropological research and are intended as preparation for the senior project. Anthropological theory, taken in the junior year, is an exploration of the theoretical perspectives that shape the discipline. Electives should build upon the 5-course core and emphasize personal interests and goals. Majors and minors in anthropology are encouraged to have a field experience, accomplished through regular course offerings, an internship, or study abroad. Students planning on pursuing graduate work in the discipline should consider taking all four introductory courses as well as both methods courses.

**Required for a major:** minimum of 8 courses in anthropology, including ANTH 101 and 104, ANTH 102 or 103, ANTH 210 or 211, and ANTH 401. In addition, students are required to take at least three elective courses, two of which must be at the 300 level or above. The senior project, if completed in anthropology, will be in addition to the eight courses required for the major. Writing requirement completed with ANTH 401.

**Required for a minor:** minimum of five courses, including ANTH 101; one of 102, 103, or 104; ANTH 210 or 211; and two electives, one of which must be at the 300 level or above.

Students interested in teaching should see the education department for secondary education minor requirements.
Anthropology Courses

ANTH 101 Cultural Anthropology

4 hours
Fulfills: Human Behavior—Social Science Methods, Intercultural

A study in what it means to be human, this course uses the concept of culture to account for the tremendous variety of practices and beliefs throughout the world. Students will also examine patterns in human behavior, addressing cultural similarities as well as cultural differences. Course content provides insight into how cultural anthropologists do what they do - what methods they use to study culture and what ethical issues they may encounter while doing so. Students will be expected to engage some of these anthropological methods by completing a series of ethnographic exercises. Through the study of anthropological works and practice with ethnographic methods, the course will prepare students to apply the anthropological approach as they navigate an increasingly diverse and globalized world.

ANTH 102 Biological Anthropology

4 hours
Fulfills: Human Behavior—Social Science Methods

Biological anthropology focuses primarily on the physical development of the human species. This course serves as an introduction to the various lines of inquiry that comprise this sub-field of anthropology. Primary topics include a survey of human biological and cultural evolution, genetics and the mechanics of evolution, non-human primates, and forensic anthropology.

ANTH 103 Linguistic Anthropology

4 hours
Fulfills: Human Behavior—Social Science Methods, Intercultural

An introduction to human language, with an emphasis on the relationship between language and culture. Topics include the origin and evolution of language, primate communication, language acquisition, language and society, and current issues in linguistic anthropology, such as linguistic human rights and language death. Students will gain hands-on-experience with the methods and techniques of descriptive and historical-comparative linguistics.

ANTH 104 Archaeology

4 hours
Fulfills: Human Behavior—Social Science Methods, Historical

Archaeology is the study of the human past through material remains. This course introduces students to the fundamental techniques employed by archaeologists to reconstruct the past. In addition to exploring the basic methodological foundations of archaeology this course provides an overview of world archaeology, including major developments in human prehistory and significant archaeological sites.
ANTH 203 Environmental Anthropology

4 hours
✓ Fulfills: Human Behavior, Intercultural

The study of the environment in anthropology addresses problems that not only threaten our ecology but also human existence on the planet. This course will demonstrate the importance of anthropological theory and practice for solving environmental problems and for understanding people’s responses to them. The course will begin by laying the theoretical foundations of environmental/ ecological anthropology. Then it will be structured around what are seen in anthropology as the key environmental questions arising from increased interaction and unequal exchange among widely different cultures: population growth, economic development and underdevelopment, the loss of biodiversity, environmental management, the future of indigenous peoples, environmental campaigns and collaborations within the context of the politics of natural resources, and the connections between consumption and globalization.

ANTH 205 Religion and Culture

4 hours
✓ Fulfills: Human Behavior, Intercultural, Religion

What is religion? When and how did it develop? Is religion a human universal? What features, if any, are common to all religions? How and why do religions change, and what happens when different systems of religious belief and practice come into contact? This introduction to the anthropology of religion explores these questions and others through in-depth case studies from the ethnographic literature, comparisons made across cultures, and the theoretical works of anthropologists and other scholars. Though some attention is given to the world’s major religions, the course emphasizes the religious traditions of indigenous peoples around the globe. (Students may use this course to fulfill either the second Religion requirement or the Human Behavior requirement, but not both.)

ANTH 208 Medical Anthropology

4 hours
✓ Fulfills: Intercultural, Human Behavior

Medical Anthropology explores health, illness, disease and medicine across the globe. Using anthropological principles, we explore interactions between various ethnomedical systems, including biomedicine; healers, healing professions and the production of medical knowledge; ideologies of the body; beginnings and ends of life; the role of new biomedical technologies and the pharmaceutical industry; the social construction of disease and disability; political and moral economics of health in the global context, among other topics. We will discover how medical knowledge and practices are constructed culturally. We will also learn to recognize how transnational exchanges of people, goods, ideas and capital influence our health and healing practices. Our course will focus on some key texts in medical anthropology theory as well as new ethnographies that address intercultural encounters in medical settings.

ANTH 209 Born to Run

4 hours
✓ Fulfills: Human Behavior
Humans possess a capacity for endurance running that is virtually unmatched in the natural world. Understanding this capacity requires consideration of its biological and cultural dimensions. The physiology of long distance running can only be understood by studying the larger environmental and behavioral conditions under which it evolved. Similarly, ethnographic accounts from diverse cultural groups provide essential insights for understanding the meanings of and reasons for running among modern humans. This course uses each perspective to provide insight into the "how" and "why" of this phenomenon and will examine associated topics such as barefoot running, optimal running speed, and the relationship between genetics, gender, and running performance.

ANTH 210 Qualitative Research Methods in Anthropology

4 hours
✓ Fulfills: Human Behavior—Social Science Methods
☐ Prerequisites: ANTH 101

This course will introduce students to qualitative research methods in anthropology. The goal is to provide training and hands-on experience in designing a research project, carrying out ethnographic fieldwork, and analyzing the data. Students will get an opportunity to work on projects of their choice and select appropriate methodologies, including participant observation, different types of interviewing, and other systematic observation techniques. Students will learn how to construct interview schedules, administer sorting and ranking surveys, use time recall questionnaires, ethnographic taxonomies, life histories, genealogies, and focus groups. The writing component will include field notes, reports, and personal journals. Students will engage in multiple re-writes of their final reports, aided by peer review. In this process, we will pay special attention to ethics involving research with human subjects. Offered alternate years.

ANTH 211 Quantitative Research Methods in Anthropology

4 hours
✓ Fulfills: Human Behavior—Social Science Methods
☐ Prerequisites: ANTH 102 OR ANTH 104.

Effectively understanding cultural behavior requires asking the right questions and correctly interpreting the resulting answers. Often, the best way to address these questions requires the collection of quantitative data. This course will use case studies from cultural anthropology, archaeology, and physical anthropology, as well as student-generated research as means for learning how to design anthropologically relevant research questions, identifying the appropriate ways of acquiring the data required to successfully address these questions, and evaluating the results. Finally, we will address the ethics of anthropological research.

ANTH 221 Anthropology in East Africa: Culture Change Among the Maasai

4 hours
✓ Fulfills: Human Behavior—Social Science Methods, Intercultural

The Maasai pastoralists of Tanzania and Kenya are experiencing rapid culture change in response to global, national, and local forces. In this course we will study "traditional" Maasai culture and examine the ways in which the Maasai of northern Tanzania are adapting to changing social, political, economic, and environmental conditions. Topics to be explored include the shift from
herding to agropastoralism; the tension between traditional and formal modes of education; the adoption of Christianity in place of or alongside traditional religion; changes in coming-of-age rituals; cultural dimensions of health, illness and healing; challenges to traditional gender ideology; the Maasai relationship to their environment; and the impacts of ecotourism, cultural tourism, and wildlife conservation programs on the pastoral way of life. From bases near the city of Arusha and the small town of Monduli students will interact with Maasai people in urban and rural marketplaces; in schools, medical facilities, and places of worship; and at Maasai bomas (family compounds) in the bush. We will also visit the Ngorongoro Crater Conservation area and the Oldoinyo Lengai volcano and pilgrimage routes in order to explore the tension between pastoralism, wildlife conservation programs, and tourism. Offered January term. (Same as AFRS 221)

ANTH 264 Pre-Columbian and Native American Art

☐ 4 hours
☑ Fulfills: Human Expression–Primary Texts, Intercultural

This course will examine the diverse artistic traditions of the Americas from the pre-contact period to the present day. Emphasis will be placed on situating artistic production within its cultural context and examining how pre-contact practices continue to inform contemporary artistic production. (Same as ART 264)

ANTH 301 Experimental Archaeology

☐ 4 hours
☐ Prerequisites: ANTH 104.

The anthropological study of material culture and technology provides a wealth of information about human behavior. This course will use ethnographic analogy and experimental archaeology as tools for reconstructing a specific example of prehistoric technology. We will search for and analyze relevant ethnographic data, design and implement replicative experiments based on this data, and evaluate the effectiveness of the results for interpreting the archaeological record. In the process of recreating past technology we will explore how the analysis of material culture and technology can be used to understand topics such as cognition, social boundaries, gender, and symbolism.

ANTH 302 Field Methods in Archaeology

☐ 6 hours
☑ Fulfills: Human Behavior–Social Science Methods
☐ Prerequisites: ANTH 104

This is a hands-on experience in archaeological field techniques offered in the summer. Students will be instructed in the fundamental skills required to do field archaeology while conducting surveys, mapping, and excavations on real archaeological sites. This is a labor intensive course that requires students to participate in field work and data management procedures daily, possibly including some evenings (depending on weather conditions). This course is the equivalent of a full-time job and synthesizes classroom study with real world experiences. Offered alternate summers (even years).
ANTH 303 Consumerism and Sustainability An Anthropological Perspective

☐ 4 hours
☑ Fulfill: Intercultural
☒ Prerequisites: Take Anth-101

Consumerism and Sustainability: An Anthropological Perspective. The world is in the midst of unprecedented social and cultural changes. One important dimension of this global change is the dramatic increase in the consumption of goods manufactured, designed and/or marketed by corporations based mainly in Europe and North America. The consumption of 'northern'goods of all kinds threatens the stability and diversity of the natural environment in many ways. Some also argue that, at the local level, consumption constitutes the greatest contemporary threat to the continued existence of local traditions, local cultures and local economic autonomy. In this course, we will pay special attention to some of the linkages between consumer culture and environmental problems, tracing the chains of cause and effect that connect particular kinds of consumption to specific places, resources, people, and interests. At the end of the course, we will discuss about the anti-consumption, sustainable consumption and other activist strategies for changing the direction of consumer society.

ANTH 401 Anthropological Theory

☐ 4 hours
☒ Prerequisites: ANTH 101, ANTH 104, and junior standing

This course explores the rise of modern anthropology and the various schools of thought that have shaped the discipline, including an in-depth treatment of contemporary anthropological discourse. We will discuss the issues and approaches that define the anthropological approach as well as the ethical considerations involved in anthropological inquiry. The ultimate goal of this course is to provide students with comprehensive understanding of the field of anthropology and the skills required to negotiate current trends in the discipline. This course should be taken during the junior year.

ANTH 490 Senior Project

☐ 1, 2, or 4 hours
The art program at Luther College encourages student artists to engage in a visual language within a liberal arts community. Studio work complements the language of other disciplines, which in turn nurtures, enriches and strengthens the students' artistic spirits. The art program is designed to help students sustain a life-long pursuit of creative problem solving, individual expression, and aesthetic appreciation. Introductory courses provide a solid foundation that engages students of all disciplines in visual discourse. Advanced courses hone technical and conceptual skills and develop a higher level of critical thinking and understanding.

**Required for a major:** 38 credits hours, including ART 103, 108, 111, and 320; 24 additional credit hours in art at the 200-level or higher, including at least two 4-credit courses at the 300-level or higher. Writing requirement fulfilled with ART 320.

**Correlative Requirement:** In addition to the above 38 credit hours, 8 credits in Art History are required (ARTH 252 and one additional 4-credit course selected from art history at the 200-level or higher).

**Professional Development:** Majors are required to attend a minimum of 12 art colloquia. Art colloquia events occur approximately 10 times during the academic year, and include lectures, discussions, and workshops led by visiting scholars, faculty, and student researchers. Students should plan on attending colloquia events regularly over their four years at Luther. Declared art majors are expected to attend as often as possible.

**Required for a (Studio) Art minor:** ART 103; ART 108 or 111; and four additional 4-credit courses in Art, at least two of which must be at the 200 level, and at least one of which must be at the 300-level.

**Required for certification to teach Art K–12:** Completion of the art major, completion of the K–12 education minor, and student teaching at elementary and secondary levels. See education department for K–12 minor requirements.

**Art Management Concentration:** To complete the art management concentration a student is required to complete a major in art and a minor in management, or a major in management and a minor in art.

**Art Courses**

**ART 101 Art Matters**

- 4 hours
- 🔄 Fulfills: Human Expression—Primary Texts
As an introduction to the visual arts, this course takes a global and thematic approach to focus on the way that artists across time and across cultures have engaged issues central to the human condition. Offered alternate years.

ART 103 Foundations: Circa Now

2 hours

This course introduces students to current art trends and theoretical preoccupations. We will begin to investigate visual language, its purpose, and its cultural and historical import with an emphasis on contemporary art and critical theory that has informed art production in the last 75 years. Students will endeavor to find a place for themselves within this tradition and critically reflect on their own artistic values and concerns.

ART 104 Foundations: Visual Thinking

4 hours

An introduction to the basic elements of visual language through a variety of studio projects and media that investigate the relationship of form and content. Emphasis is on giving effective visible form to ideas.

ART 105 Science and the Aesthetic (Italy Semester)

4 hours

Communicating through graphical and visual means is an important skill that all scientists need to master. In this course, students learn to translate their scientific understanding into illustrative visual representations and to make effective, aesthetically pleasing figures for presentations and publications. Drawing from the cognitive sciences and making use of Italy’s long art history, students explore the connections between art, science, and our sense of the aesthetic in order to develop their own skills in the visual communication of scientific information. Prerequisite: Admission into Earth and Environment in Italy program.

ART 108 Foundations: Drawing

4 hours

This course introduces basic aesthetic and technical aspects of drawing to students as they work to address the challenge of thinking and creating two dimensionally. Emphasis is on direct observation and translation of objects and environments into drawn images.

ART 111 Foundations: 3-DIMENTIONAL Processes

4 hours
This course covers concepts of form and spatial relations of 3-dimensional problem solving through a variety of projects aimed at gaining sensitivity in the composition, observation, and analysis of sculptural form.

**ART 114 Sequential Art, Animation and the Graphic Novel**

- ☑ 4 hours
- ☑ Fulfills: Human Expression

This studio course introduces students to the history, techniques and practice of sequential story telling from its beginnings to the contemporary graphic novel. Students will produce short animations, sequential art, and graphic novelettes. No prerequisite but ART 108 strongly encouraged.

**ART 115 Scandinavian Fine Handcraft**

- ☑ 4 hours
- ☑ Fulfills: Human Expression

Working in a variety of natural materials, which may include wood, horn, reindeer leather, or birch bark, students will produce traditional useful objects with a Scandinavian aesthetic. Use of Vesterheim’s collection along with studio experience.

**ART 121 World Pottery**

- ☑ 4 hours
- ☑ Fulfills: Human Expression

Geared primarily toward non-majors, this course will balance the basic mechanics of wheel thrown pottery with an exploration of global traditions and practices in functional ceramics. Offered alternate years.

**ART 200 Painting I**

- ☑ 4 hours
- ☑ Fulfills: Human Expression
- ☑ Prerequisites: ART 108

An introduction to painting techniques and color theory including a technical understanding of oil media. A visual vocabulary and the start of personal investigations into life painting and conceptual problems will be explored using still life, landscape, and the human figure as subjects.

**ART 205 Art and Technology**

- ☑ 4 hours
- ☑ Fulfills: Quantitative

This studio course examines the intersection of art and technology with particular attention to the ways that software, video, and interaction are used to produce emerging art forms and genres. Instruction will focus on object-oriented programming, application and algorithm design.
ART 206 Graphic Design I

- 4 hours
- Fulfills: Human Expression

This course introduces students to the use of raster and vector graphics applications as advanced art-making tools. Students will produce static 2-dimensional works of art that simultaneously explore 2-D design concepts and the cognitive processes of software learning. (Same as THE 206)

ART 207 3D Modeling and Animation

- 4 hours
- Fulfills: Human Expression

Course will cover computer based 3-D animation with emphasis on creative content, experimentation and critical thinking. Advanced software and hardware will be used to explore modeling, texturing, physics simulations, and animation. Offered alternate years.

ART 208 Life Drawing

- 4 hours
- Fulfills: Human Expression
- Prerequisites: ART 108

This studio course provides students with a thorough understanding of the structural anatomy of the human figure with emphasis on proportion, weight distribution, form and mass.

ART 209 2D Studio I

- 4 hours
- Fulfills: Human Expression
- Prerequisites: ART 108

This studio course broadens the approach of 2-D work through the intersection of painting, drawing, collage, and printmaking. Technical methods and design problems will be investigated through the combination of multiple media. Color theory and design practice will be employed to explore conceptual problems.

ART 210 Ceramics I

- 4 hours
- Fulfills: Human Expression
- Prerequisites: ART 111

This course is designed as survey of ceramic methods focusing on handbuilding processes, the basic mechanics of the potter’s wheel, and a variety of surfacing and glazing techniques. Aspects of ceramic history and contemporary practices will also be explored. Assignments will focus on technical applications while engaging specific problems and ideas engendered in the material of clay and ceramic objects.
ART 216 Printmaking I

่อ 4 hours
☑ Fulfills: Human Expression
☑ Prerequisites: ART 108

An introduction to the aesthetic and technical considerations of the printed image through exploration of a variety of basic printmaking processes.

ART 218 Photography I

่อ 4 hours
☑ Fulfills: Human Expression

This course combines lectures with hands-on experience in digital photography. Instruction includes technical aspects of digital photography, including camera function, exposure control, and creative control, as well as discussion on the contemporary and historical impact of the medium. The format of the class includes lectures, visual presentations, lab time, individual research/presentations and a portfolio. Students will examine why photography is important in today’s art world. A personal DSLR camera is highly recommended.

ART 222 Art and Community: Introductory Art Methods & Materials

่อ 2 hours

This seven-week course is designed to introduce students to the dynamic and rapidly changing field of art education, this course will familiarize students with current art education terminology and trends, explore various activities, materials, units, teaching techniques, and methods of art instruction. Practical teaching experiences are included with an emphasis on engaging learners of diverse populations and implementing social justice based curriculum. Required for students seeking K-12 art teaching certification, although open to everyone, this course provides students with a strong foundation in art education content, basic art concepts and methods with an emphasis on developmentally appropriate art education in both public school and community-based settings.

ART 228 Art in Elementary Schools

่อ 2 hours
☑ Prerequisites: EDUC 185 OR EDUC 215.

Introduction to theories of creativity, developmental stages in art and methods of teaching visual art to children K-6. Basics in appreciation, history, and criticism as well as use of materials will also be discussed.
ART 231 4D Art Lab I

☐ 4 hours
✓ Fulfills: Human Expression

This studio course introduces students to time-based media in the production of contemporary art. Focusing on the way time engages and transforms Art production, students will explore digital video, performance art, and socially engaging art in a way that encourages disciplinary intersections.

ART 290 Art in Cultural Perspective

☐ 4 hours
✓ Fulfills: Human Expression—Primary Texts, Intercultural

This course engages students in the study of visual culture - the interaction between differing cultures as interpreted throughout history. Students examine the intersection of art, cultural and aesthetic heritage past and present. May be repeated for credit up to two times under different topics.

ART 300 Painting II

☐ 4 hours
✓ Prerequisites: ART 200

This class will focus on contemporary issues of pictorial space, the development of imagery and the process of abstraction from observation. Personal painting language and direction is addressed as a major topic. Discussions and critiques are held on a regular basis.

ART 306 Graphic Design II

☐ 4 hours
✓ Prerequisites: ART/THE 206

Through a combination of digital and analog media, students will create applied design projects integrating multimedia tools to convey ideas and to generate original content. The course emphasizes image-based concept development, interactive design, planning for print and digital media, and the development of art direction skills.

ART 309 2D Studio II

☐ 4 hours
✓ Prerequisites: ART 209

This studio course advances aesthetic development of 2-D work through presentation and discussion of formal analysis related to issues and interdisciplinary concerns of image-based art. Intersections between painting, drawing, printmaking, collage, and photographic processes will be explored as well as the installation of media in space.
ART 310 Ceramics II

- 4 hours
- Fulfills: Human Expression
- Prerequisites: ART 110 or ART 210

This course expands the vocabulary of ceramic materials and techniques. Processes and techniques will be directed in individual and group projects questioning design, function and the expanding potential of sculptural outcomes. Greater emphasis will be placed on developing individual ideas by directing the ceramic process to address concepts in contemporary art and ceramics. This course will also delve deeper into topics of ceramic history and contemporary ceramic practices questioning the role of ceramic objects and our relationships with and to them.

ART 311 Installation

- 4 hours
- Prerequisites: ART 111 and any 200-level Studio Art Course

This course is designed to encourage interdisciplinary practices in the creation of art installation through individual and collaborative investigations. Projects, readings and discussions will center around how materials, objects, and space inform and direct an installation experience.

ART 316 Printmaking II

- 4 hours
- Prerequisites: ART 216

This course focuses on expanding and enriching practices related to the creation of original prints, including the exploration of alternative printmaking processes and the development of multi-colored images.

ART 318 Photography II

- 4 hours
- Prerequisites: ART 218

This studio course will be a further exploration of photography. Assignments will become more self-directed. Exploration of new techniques and materials, such as film based work or alternative printing methods, will be stressed in the course. Connections to photographers of note, both current and historically relevant, will be made through the work created by the students.

ART 320 Critical Theory

- 4 hours

An investigation of ideas that have informed and shaped the practice and understanding of art from the late 19th century to the present day. Students will engage in critical discourse, encounter texts that have changed our concepts of art, and hone their writing skills through the development of personal statements and written analysis of selected readings.
ART 331 4D Art Lab II

فتراء 4 ساعات

المحتوى: ART 231

هذا الكورس يركز على فنون الوقت في الأعمال المركبة ثلاثية الابعاد. هذا الكورس الميداني يجذب الطلاب خارج استخدام الفيديو والفنون المبنية على الزمن كأدوات في فن التصنيع ويطلب منهم النظر إلى طرق الفيلم، الفيديو الرقمي، الفن التأسيسي، الإستيلاء، ووسائل أخرى المبنية على الزمن تؤثر على فهمنا للفن والتجربة.

ART 384 Studio Projects

فتراء 1، 2، أو 4 ساعات

يمكن أن يقترح الطلاب دراسة متقدمة في ميدان الفناء إلقاء مبادئ الدراسة في ميدان الفناء بعد الانتهاء من سلسلة الدراسة في هذا الميدان. تهدف إلى خدم الطلاب الذين أكملوا الدورات في ميدان درستهم المتوقعة. رؤى على نموذج على موقع المدرسة.

ART 490 Senior Project

فتراء 2 ساعات

مثرية للاستعراضات الحديثة في الفن ويفاتحياته. المحتوى المبتكر سيكون مركزاً على التصريحات المنقولة واصطلاحات الفناء للمباني. سيساعد الطلاب في إجراء التحقيقات الفردية على مدار عملهم من خلال البحوث المتصلة بالموضوعات، بالإضافة إلى إعداد العرضة الدافئة في الختام. لكي تحقق الكهفية جميع متطلبات الأكاديمية، يجب أن يكمل الطالب أيضًا الغضبان 491.

ART 491 Senior Project

فتراء 2 ساعات

المحتوى: ART 490

هذا المشروع الفردي يعوض متطلبات الأكاديمية. سيجري الطلاب أن يركزوا على إنتاج عناصر جديدة لعرض. هذا المشروع يشمل: بيان البحث، بيان الفنان، مسيرة، ومحفوظة الفنون البصرية للعمل. سيقوم الطلاب ب الدفاع الفوري عن إنتاجهم الفني.
Art History

Ben Moore (department head)

Art history has historically been a core aspect of humanities curricula, as it emphasizes the analysis and contextualization of images and objects utilizing strategies from such diverse fields as history, psychology, physics, and cultural studies. Although allied, the discipline of art history is distinct from studio art. Simply put, in studio courses students are primarily engaged in the making of art, while students in art history courses are primarily engaged in the study and research of art made by others. Art history courses allow students interested in art, but who are not necessarily interested in making art, a chance to explore visual production.

For students interested in graduate work in art history, a study abroad experience is highly recommended. Past students have participated in the Luther College Nottingham program and Malta program, or the Associated Colleges of the Midwest (ACM) Florence, Italy program. Students should also consider pursuing language study beyond the 201 level.

A total of 22 credit hours are required for the art history minor. These credits are primarily housed in the art history program, but other credit bearing courses from related disciplines that have a distinct material culture focus or deal with critical theory and aesthetics are also included.

Required for a minor: Six courses (22 credits) are required. This includes the art history core: ARTH 251, 252, 379, plus one course selected from the following ARTH 362, 364, 368, and two of the following ARTH 262, 264, 362, 364, 368; CLAS 270, 275; ART 320; HIST 226; PHIL 240.

Art Management Concentration: To complete the art management concentration a student is required to complete a major in management and a minor in art history.

Art History Courses

ARTH 251 Survey of Western Art I

- 4 hours
- Fulfills: Historical, Human Expression—Primary Texts

This survey course will introduce students to the different styles and functions of art from the Paleolithic to the Gothic age, giving students the background and tools for understanding the visual culture of each period against the cultural background of their times. Attention is paid to the analysis of the art objects alongside historical texts to allow for a historical interpretation of the past.
ARTh 252 Survey of Western Art II

- 4 hours
- ✓ Fulfills: Historical, Human Expression—Primary Texts

This course will introduce students to the different styles and functions of art in the Western world, from Renaissance to the present day. Our approach will be selective rather than comprehensive, and therefore we will examine the major monuments and artworks from 1400 to 2012. The course will be a combination of lecture and discussion, prompted by various in-class activities designed to help students critically engage the art, our readings, and the techniques of art history.

ARTh 262 American Art

- 4 hours
- ✓ Fulfills: Historical, Human Expression—Primary Texts

This course will survey the history of art in the United States from the colonial period through the 20th century. The class will address the meaning of and controversy surrounding the idea of a strictly "American" art. We will discuss ways in which our relatively new country sought to define itself through visual media.

ARTh 264 Pre-Columbian and Native American Art

- 4 hours
- ✓ Fulfills: Human Expression—Primary Texts, Intercultural

This course will examine the diverse artistic traditions of the Americas from the pre-contact period to the present day. Emphasis will be placed on situating artistic production within its cultural context and examining how pre-contact practices continue to inform contemporary artistic production. (Same as ANTh 264)

ARTh 362 19th Century Art

- 4 hours
- ✓ Fulfills: Historical, Human Expression—Primary Texts

Prerequisites: ARTh 252

This course will examine the major artists and artistic movements of the nineteenth century. In particular we will be concerned with how artists both participated in and responded to larger cultural and historical events.
ARTH 364 20th Century Art

- 4 hours
- Fulfills: Historical, Human Expression—Primary Texts
- Prerequisites: ARTH 252

This class examines a selection of the major art movements since 1880, including Impressionism, Post-Impressionism, Cubism, Dada, Expressionism, Abstract Expressionism, Pop, Minimalism, Conceptual art, and art of the Postmodern era. In this endeavor we will be primarily focused on the works of art themselves and on the writings of artists and critics.

ARTH 368 Gender in Art

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: ARTH 252 or WGST 130

Taking Linda Nochlin’s seminal essay, "Why Have There Been No Great Women Artists?" as our starting point, this course will explore the place of gender in the history of art. We will explore both images of men and images of women, as well as the differing roles afforded to male and female artists across time. We will examine assumptions we and others make about women, gender, art, culture, queer theory, and feminism.

ARTH 379 Art History Methods

- 2 hours
- Prerequisites: ARTH 252

This course will offer advanced students the opportunity to explore methods of art historical research and analysis, as well as historiography.
Asian Studies

David Thompson (department head), Gereon Kopf (program director)

Asian Studies is an interdisciplinary field that studies the cultures and peoples of Asia. Asian studies provides a theoretical framework that addresses the particular historical context in which European modernity defined Asia and against which Asian cultures defined themselves. The minor in Asian studies includes coursework in the study of culture, history, language, and religion, and it complements majors in a range of disciplines, including anthropology, economics, history, language and literature, philosophy, political science, religion, sociology, and others. Asian studies provides important cultural context for a wide range of careers in academics, business, government, and nongovernmental organizations.

**Required for a minor:** 25 hours including CHIN 101, 102 and 201; two courses from the Asian studies core (from two different disciplines); one additional Asian studies elective (selected from the Asian studies core or electives approved by the Asian Studies Board); and AS 389 Directed Research, which serves as the capstone course. One course must be at the 300 level or above (not including AS 389).

Students may complete language coursework in another Asian language, as long as the program of study can be recognized as transfer credit by the Luther registrar. In cases where students place into a higher level of language (beyond CHIN 101), the balance of the language coursework would then be replaced by additional courses from the Asian studies core, with at least one course from each of the three areas (language and foreign culture, history, and religion), such that the credits accumulated for the minor total 25.

A student may use no more than two courses from another major or minor to satisfy the requirements for the Asian studies minor. Students may not minor in Asian studies and also major or minor in international studies with a South and East Asian regional focus.

Appropriate special topics courses, PAID 450 courses, and study abroad courses are reviewed by the Asian Studies Board and may be approved for the Asian studies minor. Students may petition the Asian Studies Board to have relevant courses meet degree requirements.

**Asian Studies Core Courses**

- Language and Foreign Culture: CHIN 202, 242; FCUL 142, 242, 339
- History: HIST 161, 162, 262, 361, 362
- Religion: REL 261, 262, 263, 264, 265, 364

**Language immersion experience:** A language immersion experience is strongly recommended for the minor, but not required.
Language Learning Center

The department of Modern Languages, Literatures, and Linguistics has a Language Learning Center in Main Building. Language students have access to computerized language learning materials, to computers with audio and video editing software, and to video study rooms where they may view prerecorded foreign language videos and DVDs or watch live international TV. The Languages Learning Center also houses the department’s Foreign Language Media Library with over 800 foreign language films and a selection of leisure reading books and audio books for language learners. Students can check out these materials as well as audio and video equipment for their class assignments. The Language Learning Center also provides language students with valuable work-study experiences related to their interest in languages.

Asian Studies Courses

AS 389 Directed Research

 орг 1 hour

Capstone course for the Asian Studies minor.
Athletic Training

Brian Solberg (department head)

General Learning Goals

All graduates of the Luther College Athletic Training Program will possess entry-level knowledge, skills, and values necessary to:

1. Identify injury and illness risk factors that may be encountered by those involved in physical activity and to plan and implement a risk management and prevention program.
2. Understand the physiological responses of human growth and development and the progression of injuries, illnesses, and disease.
3. Assess acute and chronic injuries and illnesses of physically active people to determine proper care, referring the client to other medical and health care providers when appropriate.
4. Understand the indications, contraindications, precautions, interactions, and governing regulations of medications relevant to the treatment of injuries to, and illnesses of, the physically active person.
5. Plan, implement, document, and evaluate the efficacy of therapeutic modalities and therapeutic programs in the treatment, rehabilitation, and reconditioning of injuries and illnesses in the physically active person.
6. Recognize, treat, and appropriately refer the general medical conditions and disabilities of those involved in physical activity.
7. Understand and recognize the nutritional aspects of athletics and physical activity.
8. Recognize, intervene, and appropriately refer harmful socio-cultural, mental, emotional, and physical behaviors of physically active individuals.
9. Develop, administer, and manage a health care facility and associated venues that provide health care to athletes and others involved in physical activity.
10. Understand professional responsibilities, avenues of professional development, and national and state regulatory standards for the practice of athletic training.

Criteria for completing observational experience (first-year students):

Part I

Students participating in the observation component in the first year must complete the following procedures prior to reporting to the athletic training clinic:

1. Completed Technical Standards form
2. Copy of Student Health Evaluation form including current immunizations documented through Health Service
3. Provide documentation of current First Aid/CPR card(s) or complete PE 190
4. Complete the blood borne pathogens training
A copy of the Student Health Evaluation form can be obtained from Health Service. The Technical Standards form and blood born pathogen training can be completed with the program director or clinical evaluation coordinator.

Part II

Once the above procedures have been completed and documented with the program director, the observation student will be scheduled for specific observation times. The observations will include a variety of times including opening, closing, and practice times. During the observation hours the students will demonstrate knowledge and competency of the pre-admitted matrix. All criteria in the pre-admitted matrix must be demonstrated to a member of the athletic training staff.

Part III

Near the end of the academic year (April 1), first-year students must submit their completed Application Packet and complete an interview with the Athletic Training Review Board to be considered for admission to the Athletic Training Education Program (ATEP). Admission to the program is based on the information provided in the packet, interview and the professional judgment of the Athletic Training Review Board.

Application for admission to the ATEP is based on the following criteria:

1. Submit a completed application packet to the program director prior to April 1 of the first year.

Contents:

- application form
- two letters of reference, excluding athletic training staff
- in good academic standing according to the standards published in the Luther College catalog
- a cumulative GPA of 2.75 or better
- no grade below a C in any classes required by the major
- completed Technical Standards form
- copy of entrance physical, including current immunizations
- one-page essay on career goals
- completed observation hour requirement (40 hours per semester)

2. Schedule an interview with the Athletic Training Review Board prior to April 10.

Students who have not completed the application packet (Part 1–due April 1) and the interview (Part II–by April 10) will not be eligible for admission until the next academic year. The Athletic Training Review Board consists of the program director and athletic training staff. Student selection will be based primarily on academic progress (GPA), staff evaluations during observation hours, and the committee interview. Students will be ranked first to last based on the GPA criteria and board ranking following the interview. Each student will receive a numerical rank in the two categories that will combine into a final ranking. Once this is complete the top students will receive a letter extending them formal acceptance into the ATEP. If accepted the student will have three calendar days to accept or decline his/her position in the ATEP. A formal letter of acceptance should be submitted to the program director prior to the end of the third calendar day after notification of admission.
Student participation in the observation experience will be determined by space limitations of the facility and locations available for them to observe. The number of students receiving acceptance into the ATEP will be based on the number of vacancies. The maximum number of students that can be enrolled in the ATEP is 24. Students will be accepted based on 24 minus the number of returning students. Students wishing to declare formal application for admission, after the completion of the first semester, must complete 40 observation hours with Luther College approved staff and all components of Parts 1 and 2 above.

Standards for progression in the athletic training major are as follows:

1. complete a health examination and technical standards annually
2. maintain a college cumulative GPA of 2.75 or higher
3. receive a grade of C or better in all courses required by the major
4. obtain the minimum number of supervised field experience hours:
   - Sophomore, fall - 125 hours
   - Sophomore, spring - 125 hours
   - Junior, fall - 125 hours
   - Junior, spring - 125 hours
   - Senior, fall - 125 hours
   - Senior, spring - 125 hours
   - Total - 750 hours

5. receive positive field experience evaluations
6. maintain current CPR and AED for the Professional Rescuer certification

Transfer:

From a non-CAATE accredited institution:

Students who wish to transfer in from a nonaccredited institution must complete all criteria listed in the student observation experience, application packet, and interview by the specified dates.

From a CAATE-accredited institution:

Students who wish to transfer in from another accredited program must contact the program director prior to enrolling. These students must have been in good academic standing at their prior institution and fulfill the GPA criteria of the Luther College ATEP. If the student meets institutional criteria for admission, they must also achieve the GPA criteria for the ATEP prior to starting their clinical education. All transfer students must complete a minimum of 3 years of clinical experience. These students will complete the pre-admitted matrix for the athletic training staff. At this point it will be determined if any of the requirements of the first-year observation will be waived. Transfer students must complete an application packet prior to being considered for admission. Deadlines for completing the packet and scheduling the interview will be formalized with the program director. The transfer student must also receive a positive review by the Athletic Training Review Board. The registrar will review the transcript of the transfer student to determine the number of credits to be accepted by Luther College. He/she also determines whether a course will be accepted in lieu of particular courses required at Luther College.
Forms for application, annual health examination, and technical standards are available from the program director. More detailed information about the curriculum is provided in the Athletic Training Student Handbook.


Correlative requirements: BIO 116 or BIO 255; HLTH 125; PE 251, 261, 323, 365, and PE 366; three years (minimum of 750 hours) of supervised field experience as an athletic training student.

Athletic Training Courses

ATHTR 265 Clinical I: Introduction to Athletic Training

- 4 hours
- Corequisites: PE 251 and sophomore standing

This course will provide instruction, practice, and testing of selected athletic training clinical proficiencies. The primary focus will be on injury prevention and acute care skills. Students are required to complete 125 field experience hours supervised by Approved Clinical Instructor. Requires sophomore standing.

ATHTR 268 Clinical II: Head, Neck, Thorax, Abdomen, and Upper Extremity Assessment

- 4 hours
- Prerequisites: ATHTR 265 and sophomore standing

An in-depth study of the assessment of common injuries in athletics. Injuries to the head, cervical spine, thorax, and upper extremity will be covered. Students are also required to complete 125 field experience hours supervised by Approved Clinical Instructor. Requires sophomore standing.

ATHTR 365 Clinical III: Spine, Lower Extremity, and Posture Assessment

- 4 hours
- Prerequisites: ATHTR 268 and junior standing

An in-depth study of the assessment of common injuries in athletics. Injuries to the abdomen, lumbar spine, and lower extremities will be covered. Students are also required to complete 125 field experience hours supervised by Approved Clinical Instructor. Requires junior standing.
ATHTR 367 General Medical and Pharmacology

- 4 hours
- Prerequisites: ATHTR 365 and junior standing

Designed to expose athletic training students to didactic and clinical education related to general medical conditions and pharmacology. Each student completes a series of observation experiences with local physicians, registered nurse practitioners, and physical therapists. There is one daily lecture in addition to the observation schedule. Requires junior standing.

ATHTR 368 Clinical IV: Therapeutic Modalities and Exercise

- 4 hours
- Prerequisites: ATHTR-367 and junior standing
- Corequisites: ATHTR 370, ATHTR 372

This course will provide instruction, practice, and testing of selected athletic training clinical proficiencies. The primary focus will be on the use of modalities and therapeutic exercise for recovery from injuries. Students are also required to complete 125 field experience hours supervised by Approved Clinical Instructor. Requires junior standing.

ATHTR 370 Therapeutic Modalities in Athletic Training

- 2 hours

Designed to introduce students to the concepts and principles of therapeutic modalities and their applications in athletic training. Treatment effects, safety considerations, indications and contraindications for each modality will be presented. Class meets first seven weeks. Requires junior standing.

ATHTR 372 Therapeutic Exercise in Athletic Training

- 2 hours

This course is designed to introduce students to rehabilitation techniques in athletic training and to basic principles of design, implementation, and supervision of rehabilitation protocols. The course is divided into two sections: the first focuses on design, goals, and techniques of therapeutic exercise; the second addresses rehabilitation protocols for specific regions of the body. Class meets second seven weeks. Requires junior standing.
ATHTR 465 Clinical V: Health Care Administration

- 4 hours
- Prerequisites: ATHTR 368 and senior standing

This course will provide instruction, practice, and testing of selected athletic training clinical proficiencies. The primary focus will be in the area of health care administration. Students are also required to complete 125 field experience hours supervised by Approved Clinical Instructor. Requires senior standing.

ATHTR 468 Clinical VI: Advanced Health Care

- 2 hours
- Prerequisites: ATHTR 465 and senior standing

This course will provide instruction, practice, and testing of advanced assessment/acute care skills. The course is setup to prepare students to take the BOC exam. Students are also required to complete 125 field experience hours supervised by an Approved Clinical Instructor. Requires senior standing.

ATHTR 490 Senior Project

- 1, 2, or 4 hours
Biblical Languages

Philip Freeman (department head)

The major in biblical languages (Greek and Hebrew) lays the foundation for in-depth study of the Bible and theology, and is especially appropriate for students intending to pursue seminary training or graduate work in biblical studies. The goal of the major is to prepare students for exegetical study in the original languages of the Hebrew Bible and New Testament.

Required for a major: GRK 101, 102, 201, 202; HEB 101, 102, 201. Students must also complete one advanced course in Bible. Writing requirement completed with HEB 201.
Biology

Mark Eichinger (department head)

Biology is the scientific study of living systems. The discipline ranges from studying the structure of biomolecules to the interactions of species with their environment. Courses are taught from an evolutionary perspective, which explains both the unity and diversity of life.

The biology major is designed to be flexible in meeting the needs and interests of students. Students are introduced to the discipline in the two-semester introductory course, Principles of Biology. Beyond that, students are encouraged to select courses across the breadth of the discipline, from molecular/cellular to systemic to organismic to ecological aspects. Supplementing the biology courses are courses in general chemistry and calculus. Depending on students' interests and goals, they may be advised to take supporting coursework in chemistry (CHEM 202 or higher), physics (PHYS 151 or higher), mathematics (MATH 152 or higher), computer science (CS 150 or higher), or environmental studies (ENVS 134, 220, 310, 320). Students are encouraged to seek undergraduate research opportunities and internship experience in addition to their coursework to better prepare them for their future career.

Required for a major:

Plan I (non-teaching): Minimum of 28 hours in biology, including BIO 151 and BIO 152; 20 hours in biology numbered above 200 to include 12 hours in biology lab courses and 4 hours in a biology course numbered 340-370; CHEM 151 and CHEM 152, or CHEM 201; MATH 141 or MATH 151 (or higher); one course (4 hours) from the following: CHEM 202 (or higher), PHYS 151 (or higher), CS 150 (or higher), ENVS 134. No courses numbered 185 may be used to fulfill the major. No more than 4 hours from biology courses above 370 can be applied toward the major. Transfer students must complete at least four biology courses (four hours each) at Luther.

Majors are required to attend a minimum of 12 approved biology colloquia. Biology colloquium meets approximately 10 times during the academic year for lectures and discussions led by visiting scholars, faculty, and student researchers. Declared biology majors are expected to attend as often as possible.

Plan II (teaching): Same as the major requirements in Plan 1 except that the 20 hours in biology numbered above 200 must include one course from each of the three categories listed below. See education department for secondary education minor requirements.

- ecology or evolution (BIO 245, 354, or 365)
- microbiology, genetics, or physiology (BIO 243, 248, 255, or 262)
- botany or zoology (BIO 251, 252, 253, or 258)

Writing requirement for either major plan completed with one of BIO 250, 251, 253, 258, 262, 354, 358, 359, 363, 364, 365, 367, or selected special topics courses in biology.

Required for a minor: A minimum of 20 hours in biology, including BIO 151 and BIO 152, and 12 hours in biology courses numbered above 200.
Affiliated programs are available in medical technology, cytotechnology, and nuclear medicine technology. Consult with the Biology department about the 3 + 1 options.

Biology Courses

BIO 112 Insects, Humans and the Environment

- 4 hours
- Fulfills: Natural World—Lab

A study of relationships among insects, humans, and the environment. Using insects as a model, biological concepts such as evolution, form and function, genetics, development, natural history, biodiversity, and conservation will be covered. Includes a presentation of why insects are so successful, giving attention to their behavior and ecological roles in nature, impacts on human society as causes of famines, plagues and epidemics, and importance in human cultures. Laboratory includes field trips and an investigative approach to learning insect biology.

BIO 115 Human Anatomy

- 4 hours
- Fulfills: Natural World—Lab

A basic gross anatomy course including dissection of the cat with reference and comparison made to human organ systems. For non-biology majors. Lectures and laboratory.

BIO 116 Intro to Human Physiology

- 4 hours
- Fulfills: Natural World—Lab

A survey of physiological systems and principles with specific reference to the human body. This course is intended for non-biology majors. Lectures and laboratory.

BIO 125 Genetics and Society

- 4 hours
- Fulfills: Natural World—Lab

Genetics plays an ever increasing role in our society, and a basic understanding of this field is vital for making informed decisions on issues that impact our health, safety, and environment. This course aims to connect the concepts and approaches of genetics to societal issues relating to health, diversity, forensics, and evolution. The course will provide basic coverage of the science of genetics, including the structure, expression, and transmission of heritable information and the evolution of populations. Methods and techniques, such as gene cloning and DNA fingerprinting, will be covered to provide information on how scientists use genetic technology to answer questions. Also included will be discussion of some of the ethical and social questions surrounding issues as diverse as screening human embryos for genetic traits, evaluating the genetic basis of aggressive behavior, and creating genetically modified organisms. Lecture and laboratory.
BIO 140 Introduction to Ecology of the Southwest

☐ 4 hours
✔ Fulfills: Natural World—Lab

Field study of the ecology of the arid Southwest, with a focus on adaptations of organisms to arid conditions and understanding the challenges of setting environmental policy. Course activities include hiking in the deserts, mountains, and riparian areas of Arizona; daily readings and discussions; a paper exploring the ethical dimensions of environmental policy; and a research project which may be qualitative. Students who earn credit for Bio 140 may not earn credit for Bio 240. Fulfills Paideia 450 when students with junior or senior standing enroll in Political Science 258 in the following term. Offered alternate years during January term.

BIO 149 Introduction to Winter Biology

☐ 4 hours
✔ Fulfills: Natural World—Lab
☐ Prerequisites: Sophomore standing

A field study of the natural history of the southern boreal forest ecosystem in northern Minnesota, including the physiological and behavioral adaptations of organisms to extreme cold. Course activities will include skiing and snowshoeing excursions in remote natural areas, assigned readings, observations of natural history, and research projects. Students who earn credit for BIO 149 may not earn credit for BIO 249. Requires sophomore standing.

BIO 151 Principles of Biology: Ecology, Evolution and Biodiversity

☐ 4 hours
✔ Fulfills: Natural World—Lab

An exploration of the diversity of life, its origins, and interactions among organisms and their environment. We introduce key concepts in evolution and ecology, provide an overview of the features of major taxonomic groups and their evolutionary relationships, and explore some of the practical and ethical implications of biodiversity. Through laboratory and field investigations, students develop their ability to make observations, analyze data, read primary literature, and communicate results. Designed as an introduction to biology; required for the biology major and minor.

BIO 152 Principles of Biology: Molecules, Cells, and Genes

☐ 4 hours
✔ Fulfills: Natural World—Lab

Cells serve as the building blocks of all biological systems, so understanding cellular biology is critical to comprehension of life systems. This course examines the structural and chemical composition of cells, processes related to cellular metabolism and homeostatic control, and genetic concepts related to protein formation, genetic replication and patterns of inheritance. Laboratory methods reinforce concepts and increase students’ ability to design experiments, analyze data, and communicate results in written form. Designed as an introduction to biology; required for biology major and minor.
BIO 195 Biology of Race And Sex

○ 4 hours
☑ Fulfills: Natural World—Nonlab
☒ Prerequisites: Junior standing

This course will introduce students to basic concepts of inheritance and expression of genotypes into phenotypes, using the inheritance of sex and race-associated traits as case studies. These complex traits are useful examples of the influence of individual genes, genomes, and the physical environment on phenotypes. Not intended for biology majors. (Same as WGST 195)

BIO 231 Microscopy

○ 2 hours
☒ Prerequisites: BIO 151, 152.

An introduction to the theoretical and technical aspects of light and electron microscopy and digital imaging as tools for scientific study. Demonstrations supplement lectures with no formal laboratory. This first-seven-week course offered each fall is designed to provide a broad overview of microscopy theory and technique while giving students an introduction to the available on-campus instrumentation. A full semester companion laboratory, BIO 232, is open to students enrolled in Bio 231.

BIO 232 Microscopy Laboratory

○ 2 hours

Students will develop a short-term project using at least one type of light or electron microscopy studied in Biology 231, including transmission and scanning electron microscopy as well as scanning laser confocal microscopy, fluorescent microscopy and various forms of enhanced contrast techniques. This course will also focus on specimen preparation as well as microscope operation and project design. Projects will likely support current research by biology faculty and will require a poster or oral presentation. Laboratory only with supplemental specimen preparation lectures.

BIO 240 Ecology of the Southwest

○ 4 hours
☑ Fulfills: Natural World—Lab
☒ Prerequisites: BIO 151

Field study of the ecology of the arid Southwest, with a focus on adaptations of organisms to arid conditions and understanding the challenges of setting environmental policy. Course activities include hiking in the deserts, mountains, and riparian areas of Arizona; daily readings and discussions; a paper exploring the ethical dimensions of environmental policy; and a research project including statistical analysis of data. Students who earn credit for BIO 240 may not earn credit for BIO 140. Fulfills Paideia 450 when students with junior or senior standing enroll in POLS 258 in the following term. Offered alternate years during January term.
BIO 241 Radioisotopes in Science

2 hours
Prerequisites: BIO 152, CHEM 152, CHEM 201, or PHYS 152.

This seminar introduces the chemistry, physics, and biology of radioisotope use in research and in diagnostics. Laboratory safety, monitoring, and waste disposal will be included. This course does not fulfill the lab science requirement. Usually offered alternate years.

BIO 242 Animal Behavior

4 hours
Prerequisites: BIO 151, 152.

An examination of the proximate and ultimate causes of behavior in animals. Topics include the development, control mechanisms, evolution, and ecology of behavior. In addition to lectures, this course includes films and behavioral studies of animals.

BIO 243 Microbiology

4 hours
Prerequisites: BIO 151 and BIO 152 or BIO 115 and BIO 116

A basic introduction to the study of microorganisms and the principles of immunology and virology. Laboratory includes the study of basic cell processes and the identification and culturing of typical forms. Lectures and laboratory.

BIO 245 Ecology of Ecuador

4 hours
Fulfills: Intercultural
Prerequisites: BIO 151

An introduction to the ecology, evolution, and natural history of the flora and fauna of the Amazon rainforest and Galapagos Islands, and the customs and culture of Ecuador. The class will spend time in Quito, the Amazon rainforest, and the Galapagos archipelago. Offered on an irregular basis.

BIO 246 Ornithology

2 hours
Prerequisites: BIO 151, 152.

An introduction to the biology and diversity of birds. Structure, function, classification, behavior, and ecology are covered. Laboratory emphasizes field identification of local species. Lectures and laboratory/field trips. Meets the second half of spring semester. Offered alternate years.
BIO 247 Subtropical and Marine Biology

- 4 hours
- Prerequisites: BIO 151, 152.

An introduction to the ecology and taxonomy of coral reef, tide pool, tidal creek, high and low energy beach, hypersaline lake, mangrove, and upland organisms and ecosystems. In addition to field excursions, students develop and carry out independent research projects. Consent of instructor required. Usually offered every other year.

BIO 248 Genetics

- 4 hours
- Prerequisites: BIO 151, 152.

A study of Mendelian genetics, gene structure, mechanisms of gene expression, mutagenesis, evolutionary genetics, and genomics. Lectures and laboratory.

BIO 249 Winter Biology

- 4 hours
- Fulfills: Natural World—Lab
- Prerequisites: BIO 151, 152.

A field study of the natural history of the southern boreal forest ecosystem in northern Minnesota, including the physiological and behavioral adaptations of organisms to extreme cold. Course activities will include skiing and snowshoeing excursions in remote natural areas, assigned readings, observations of natural history, and research projects. Students who earn credit for 249 may not earn credit for 149.

BIO 250 Restoration and Conservation Biology

- 4 hours
- Fulfills: Natural World—Lab
- Prerequisites: BIO 151 and sophomore standing

This course is an introduction to restoration ecology and conservation biology, with a primary focus on ecological principles used in restoring human-altered landscapes and conserving natural habitats. Secondarily, it considers basic policy and non-governmental avenues for the protection of biodiversity. Class is a combination of lecture, discussion, and lab. Discussion includes scientific literature and case-studies. In lab, students put theory into practice to develop restoration and conservation plans for local sites in a semester-long project. Requires sophomore standing or above.

BIO 251 Entomology

- 4 hours
- Prerequisites: BIO 151, 152.

An introduction to the biology and diversity of insects, particularly the life histories, form and
function, ecology, and behavior of various insect groups found in various habitats. Students interested in developing field biology skills should take this course during their sophomore or junior year.

**BIO 252 Botany**

- **4 hours**
- Prerequisites: BIO 151, 152.

A study of the anatomy, physiology, and evolution of the major groups of plants with an emphasis on field identification of seed plants. Students interested in developing field biology skills should take this course during their sophomore or junior year. Lectures and laboratory. Laboratory includes field trips that require hiking.

**BIO 253 Invertebrate Zoology**

- **4 hours**
- Prerequisites: BIO 151, 152.

A study of the morphology, physiology, taxonomy, and ecology of the major phyla of invertebrate animals from marine, freshwater, and terrestrial environments. Offered alternate years.

**BIO 255 Human Physiology**

- **4 hours**
- Prerequisites: BIO 151, 152.

An in-depth exploration of physiological systems in the human body, beginning at the cellular level and proceeding to physiological systems and their role in homeostatic control. Students may earn credit for BIO 255 and BIO 262. Lectures and laboratory.

**BIO 256 Biostatistics**

- **4 hours**

  - Fulfills: Quantitative
  - Prerequisites: BIO 151.

This course considers the application of statistical inference to the life sciences; numerous examples will be taken from the health sciences and environmental sciences. Emphasis will be on hypothesis testing and the importance of experimental design. Lectures and laboratory.

**BIO 258 Vertebrate Natural History**

- **4 hours**
- Prerequisites: BIO 151, 152

A study of the classification, natural history, and distribution of the vertebrates. Laboratory emphasizes identification and field study of species typical of this geographical area. Lectures stress principles of vertebrate biology. Offered alternate years.
BIO 261 Developmental Biology

- 4 hours
- Prerequisites: BIO 151, 152.

A study of gametogenesis, fertilization, organogenesis, and the formation of the body. Both organismal and molecular aspects of these processes will be discussed, ending with a discussion of organ formation, especially the limb, the eye, and gonadal development. Questions such as how sperm and egg interact to create a new organism and how a single cell gives rise to the diverse group of cells that make up the adult body are central to this course. Laboratory will include observation of and experimentation with invertebrate and vertebrate systems.

BIO 262 Environmental Animal Physiology

- 4 hours
- Prerequisites: BIO 151, 152.

This course will examine the homeostatic control mechanisms of organ systems across species lines. Additionally, the course will focus on the molecular, cellular and systems adaptations that allow animals to live in particular environments. Lectures and laboratory. Students may not earn credit for BIO 262 and BIO 255. Offered alternate years.

BIO 264 Advanced Topics in Biology

- 2 hours
- Prerequisites: BIO 151, 152.

This is a reading-intensive course designed to provide an in-depth examination of a topic in biology. The topic may vary, but will cut across several scales of biological organization, from cells to ecosystems. The goals are to learn about the diversity of approaches used to investigate the biological world and to identify and explore questions that remain open to scientific inquiry.

BIO 301 Human Dissection and Anatomy

- 4 hours
- Prerequisites: BIO 151, 152, and junior standing

An in-depth gross anatomy course that includes dissection of a human cadaver. Skeletal, muscular, nervous, digestive, cardiovascular, respiratory, and urogenital systems will be covered. Lectures and laboratory. Requires junior or senior standing.

BIO 303 Bioethics

- 2 hours
- Prerequisites: 8 hours in biology at the 200-level or above and junior standing

This course will explore various ethical issues embedded in biomedical and environmental topics. Students will be introduced to fundamental ethical principles from which ethical positions are derived. Graded credit/no credit. Requires junior or senior standing.
BIO 354 Evolutionary Biology

- 4 hours
- Prerequisites: BIO 151, 152, 248.

An exploration of current questions in evolutionary biology through lecture, lab, and discussion of the primary literature. Topics include the role of natural selection and drift in human evolution; inferring the origins of new diseases; the effects of genomic conflict on speciation; and the challenges that hybridization poses to understanding the tree of life.

BIO 356 Genomics

- 4 hours
- Prerequisites: BIO 151, 152, 248.

This course will introduce students to the principles of genome science and the application of genomic data in ecology and evolution, medicine, and agriculture. We will explore topics such as high-throughput sequencing technologies, genome projects, genome structure and function, genome expression and the transcriptome, proteomics, and evolution and genomic change. We will also discuss the social impacts and ethical implications of the increased use of genomic data. Students will gain hands-on experience with some of the popular tools and databases available for bioinformatic analysis. Lectures and laboratory.

BIO 358 Toxicology

- 4 hours
- Prerequisites: BIO 151, 152, and BIO 255 or BIO 252 or CHEM 241.

This course covers the principles of toxicology, the study of poisons. Topics include molecular and cellular sites of toxicant action, physiological effects of toxicants in mammalian systems and ecological systems, and the application of toxicology to public health and policy. Central toxicology concepts such as dose-response, mixtures, gene-environment interaction, and endocrine/reproductive toxicity will be explored in the laboratory culminating in student-designed research projects and scientific papers. It is recommended that students have completed CHEM 152 or 201 before enrolling in this course. Lectures and laboratory.

BIO 359 Virology

- 4 hours
- Prerequisites: BIO 151, 152 and BIO 243 or 248.

Examination of both general and specific aspects of viruses, including structure, replication, infection strategies, host response and associated disease. Students will read primary literature in conjunction with research of a specific virus, and will present their findings both in formal papers and as oral presentations.

BIO 362 Neuroscience

- 4 hours
- Prerequisites: BIO 151, 152, 255.
The course explores the means by which neurons function and how they form circuitry related to sensory input, motor control and higher cognitive functions. A second component of the course is devoted to the role of primary literature within the field of neuroscience, including how hypotheses are formulated, tested and the results conveyed to the scientific community. A non-lab course.

**BIO 363 Molecular Biology**

- 4 hours
- Prerequisites: BIO 151, 152 and 248

This course examines molecular functions, gene expression, and regulation from an evolutionary perspective emphasizing structure-function relationships. Laboratory emphasis. Lectures and laboratory.

**BIO 364 Cell Biology**

- 4 hours
- Prerequisites: BIO 151, 152, and at least one 200-level course

A study of the biochemical and structural basis of cell activity. Close attention is given to protein structure and function as well as organelle activity. The laboratory stresses the use of biochemical and cytological techniques to study living systems at the cellular and molecular levels of organization. Lectures and laboratory.

**BIO 365 Ecology**

- 4 hours
- Prerequisites: Bio 151, 152, and a 200 level (4 credit) BIO class.

A study of the complex patterns and processes in the natural world. We examine questions about the distribution and abundance of species and communities, the transfer of matter and energy in ecosystems, and how these relate to biodiversity. Lectures and laboratory. Laboratory includes field trips requiring hiking and directed research projects.

**BIO 367 Endocrinology**

- 4 hours
- Prerequisites: Bio 151, 152, and Bio 255 or 262

This course will emphasize the role of hormones in maintaining homeostasis. We will examine the chemical messengers most relevant to human biology, and explore the structure, sites of synthesis and the mechanisms by which hormones exert their effects. Finally, through laboratory exercises, students will directly utilize current research methodologies to examine the role of hormones in physiologic control systems. Offered alternate years.

**BIO 490 Senior Project**

- 1, 2, or 4 hours
- Prerequisites: BIO 151, 152.
Chemistry

Bradley Chamberlain (department head)

The program of instruction offered by the chemistry department is approved by the American Chemical Society Committee on Professional Training.

Required for a major: CHEM 201 (or 151 and 152), CHEM 202, 241, 242, 361, 365, 490; a total of eight hours, drawn from at least three of the four categories below; and an advanced lab, which can include an approved summer research experience, or one of 349, 366, 379, 389, or 490L if taken in addition to the eight hours above.

- Biochemistry: CHEM 301, 349
- Physical Chemistry: CHEM 351, 362, 366
- Chemical Analysis: CHEM 344, 345
- Inorganic Chemistry: CHEM 372, 373, 379, 474

In addition, one year of calculus (MATH 151 and 152) and a year of physics (PHYS 151 and 152, or PHYS 181 and 182) are required for the major. Writing requirement completed with CHEM 365.

(ACS Certified) Students wishing to be certified by the American Chemical Society should complete the requirements for the major, plus all of the following courses: CHEM 301, 344, 345, 351, 362, 366, 372, 373, 379, plus 2 credits in CHEM 349, 379 or CHEM 389.

Required for a minor: CHEM 151, 152, 202, 241, (CHEM 201 may be taken in place of CHEM 151 and 152), and four hours of chemistry in courses numbered above 300.

Writing Requirement: CHEM 365 is designated to fulfill the writing requirement and includes multiple writing projects.

Preparation for professional/graduate study: Students who need a full year of general chemistry for professional school must take either CHEM 151 and 152 or CHEM 201 and 202. Students considering going on to a graduate program in chemistry should consider taking additional courses beyond the minimum listed above. Students interested in teaching should see the education department for secondary education minor requirements.

Chemistry Courses

CHEM 114 The Environment: A Chemical Perspective

- 4 hours
- Fulfills: Natural World—Lab

A study of the environment with emphasis on the relationship between technology and our
surroundings. Laboratory work may include field studies in the surrounding area. The course is designed for non-science students with little or no science background. (Students who earn credit for 114 may not earn credit for CHEM 116).

**CHEM 141 Essentials of Chemistry**

- 4 hours
- Fulfill: Natural World—Lab, Quantitative

A one-semester general chemistry class for students who require or wish to take just one semester of college chemistry with a laboratory component. Topics will be chosen from the Chemical Principles sequence (Chemistry 151-152) and laboratories will introduce students to basic chemistry lab skills and techniques. This course is not intended for students going on in chemistry or biology. Algebra skills are assumed. (Students who earn credit for 141 may not earn credit for CHEM 114, 116, 151 or 152).

**CHEM 151 Chemical Principles I**

- 4 hours
- Fulfill: Natural World—Lab, Quantitative

General course with laboratory intended primarily for students concentrating in the science area. Algebra skills are assumed. (Students who earn credit for 151 may not earn credit for CHEM 114, 116, or 141).

**CHEM 152 Chemical Principles II**

- 4 hours
- Fulfill: Natural World—Lab, Quantitative
- Prerequisite: CHEM 151

General course intended primarily for students concentrating in the science area. Algebra skills are assumed.

**CHEM 201 Advanced Chemical Principles**

- 4 hours
- Fulfill: Natural World—Lab, Quantitative

A faster paced introduction to Chemistry than CHEM 151 and 152. Material from both CHEM 151 and 152 will be included, but basic chemical knowledge and competence in algebra will be assumed. Lab will emphasize an introduction to several instruments and to data-handling with spreadsheets. Prerequisite: a good high school chemistry course and testing into at least MATH 151 on mathematics placement test. In order to have a full year of chemistry as required by many professional schools students must take CHEM 202 in addition to this course. (Student who earn credit for 201 may not earn credit for CHEM 114 or 116).

**CHEM 202 Analytical Chemistry**
An introduction to quantitative analysis with laboratory. The course provides a detailed examination of equilibrium chemistry and its application to gravimetry and titrimetry. The theory and practice of chromatographic separations and spectroscopic detection are introduced.

**CHEM 241 Organic Chemistry I**

- **4 hours**
- Fulfill: Natural World—Lab
- Prerequisite: CHEM 152 or 201

The first of a two-course sequence that examines the structure and reactivity of compounds containing carbon. Topics include bonding, nomenclature, conformations, stereochemistry, and organic acid/base chemistry. An introduction to reaction mechanism and reaction pathways is achieved through the study of the reactivity of aliphatic hydrocarbons. Spectroscopic identification of organic molecules by IR and NMR spectroscopy is also examined in detail. Three lectures per week, one three-hour lab a week.

**CHEM 242 Organic Chemistry II**

- **4 hours**
- Prerequisite: CHEM 241

The second of a two-course sequence that examines the structure and reactivity of compounds containing carbon. Topics include the reactivity of aromatic hydrocarbons and molecules containing the carbonyl functional group; parallels between the behavior of these compounds and biomolecules are illustrated. Emphasis is placed on reaction mechanisms and the design of multi-step organic syntheses. Three lectures per week, one three-hour lab per week.

**CHEM 301 Biochemistry**

- **4 hours**
- Prerequisite: CHEM 241, 242.

An introduction to the chemistry of the four major classes of biological molecules: proteins, sugars, lipids, and nucleic acids. The relationship between the functional roles of these molecules and their structure and reactivity will be examined using the chemical principles mastered in the prerequisite courses of general chemistry and two semesters of organic chemistry. This course will fulfill the one-semester biochemistry prerequisite of typical health professional programs.

**CHEM 344 Instrumental Methods: Spectroscopic Techniques**

- **2 hours**
- Prerequisite: CHEM 241.

A detailed look at the instrumentation and applications of optical spectroscopy associated with chemical analyses. Topics will include molecular and atomic absorption, fluorescence, NMR, and IR spectrometries, as well as selected advanced spectroscopic techniques.
CHEM 345 Instructional Methods: Separations and Electrochemistry

- 2 hours
- Prerequisites: CHEM 241, 202.

A detailed look at methods of separation and electroanalytical techniques including GC, HPLC, MS, SFC, potentiometry, amperometry, and voltammetry.

CHEM 349 Biochemistry Laboratory

- 2 hours
- Prerequisites: CHEM 241 and one of the following: CHEM 301, BIO 243, 248, 363 or 364. CHEM 202 and 365 recommended.

A laboratory introduction to the isolation and analysis of biological molecules. Techniques employed will include cell culture, protein purification, use of fluorescent tags, and immunochemical methods of analysis.

CHEM 351 Chemical Kinetics

- 2 hours
- Prerequisites: CHEM 241, MATH 152.

An introduction to the area of chemistry involving the rates at which chemical reactions occur. Topics will include classical kinetics, kinetics of fast reactions, and enzyme kinetics.

CHEM 361 Quantum Chemistry and Spectroscopy

- 4 hours
- Prerequisites: MATH 152, PHYS 181, 182 (or PHYS 151, 152).

An introduction to the formalism of quantum mechanics through the core quantum mechanical models of the particle in the box, the harmonic oscillator, the rigid rotor, and the hydrogen atom. Applications of these models are then made to describe various types of spectroscopy used to study chemical systems.

CHEM 362 Thermodynamics

- 2 hours
- Prerequisites: CHEM 152 or 201, MATH 152, PHYS 181, 182 (or PHYS 151, 152).

Mathematical treatment of the fundamental laws of thermodynamics and how those laws govern chemical and physical changes.
CHEM 365 Spectroscopy and Separations Lab

2 hours
Prerequisites: CHEM 202, 242.

A laboratory introduction to various types of spectroscopy and separation techniques and how they are used in the chemistry laboratory. Techniques will include UV/VIS, IR, fluorescence, and NMR spectroscopy, and liquid and gas phase chromatography.

CHEM 366 Thermodynamics and Kinetics Laboratory

2 hours
Prerequisites: CHEM 202, 242. CHEM 365 recommended.

A laboratory introduction to the study of the energetics and rates of chemical reactions.

CHEM 371 Polymer Chemistry

2 hours
Prerequisites: Take Chem 242

An introduction to polymer science that examines the synthesis, characterization, and properties of macromolecules. Emphasis is placed upon mechanisms of polymerization, the stereochemistry of monomer enchainment, the determination of molar mass distributions, and the thermal properties of bulk polymers. Offered alternate years.

CHEM 372 Organometallic Chemistry

2 hours
Prerequisites: CHEM 242.

An examination of the structure and reactivity of compounds with carbon-metal covalent bonds. Emphasis is placed upon reaction mechanisms and the use of these compounds in the synthesis of complex organic molecules. Examples include carbon-carbon cross-couplings, metathesis, hydrogenation, and cabonylation. Offered alternate years.

CHEM 373 Solid State Chemistry

2 hours
Prerequisites: CHEM 241.

An examination of the synthesis and characterization of solids, especially those with crystalline structures. Emphasis is placed upon the electrochemical, magnetic, optical, and conductive properties of these materials, as well as their applications in batteries, semiconductors, superconductors, and light-emitting devices. Materials of interest include zeolites, metal-organic frameworks, and nanotubes. Offered alternate years.
CHEM 379 Inorganic Synthesis Laboratory

🔗 2 hours
🔗 Prerequisites: CHEM 202, 242.

A laboratory introduction to the synthesis and characterization of inorganic compounds. Syntheses will include coordination and organometallic compounds of both historical and contemporary interest. Techniques will include inert atmosphere manipulations. Offered alternate years.

CHEM 474 Physical Inorganic Chemistry

🔗 2 hours
🔗 Prerequisites: CHEM 361

An introduction to the use of symmetry for qualitative predictions of energy levels, molecular orbitals, and spectra of molecules. Offered alternate years.

CHEM 490 Senior Project

🔗 2 hours
🔗 Prerequisites: CHEM 365 and 4 additional hours of chemistry numbered above 300.

Each student will write a research paper reporting the results and significance of the project completed to satisfy the Chemistry 490L requirement. In addition, the seminar meets weekly for lectures and discussions led by students, faculty, and visiting scholars. Students who have not completed the prerequisites before the fall semester of their senior year must complete the prerequisites and register for this course in January.

CHEM 490L Senior Project Lab

🔗 2 hours
🔗 Prerequisites: CHEM 365.

A semester-long laboratory experience in which students work as a group (minimum of 6 hours per week) on a project defined by the chemistry faculty. This course requirement for majors may be waived for students who have an approved summer research experience in chemistry or a related area, or who have done research in chemistry or a related area at Luther for the equivalent of 2 semester hours. This course is grade credit/no credit.
Chinese

David Thompson (department head), Gereon Kopf (Asian Studies program director)

Language Learning Center

The department of Modern Languages, Literatures, and Linguistics has a Language Learning Center in Main Building. Language students have access to computerized language learning materials, to computers with audio and video editing software, and to video study rooms where they may view prerecorded foreign language videos and DVDs or watch live international TV. The Languages Learning Center also houses the department’s Foreign Language Media Library with over 800 foreign language films and a selection of leisure reading books and audio books for language learners. Students can check out these materials as well as audio and video equipment for their class assignments. The Language Learning Center also provides language students with valuable work-study experiences related to their interest in languages.

Chinese Courses

CHIN 101 Beginning Chinese

Ø 4 hours

This course offers an introduction to speaking, reading, listening to, and writing Chinese. Through the study of the language, the student will also gain an appreciation of Chinese culture and contemporary life.

CHIN 102 Beginning Chinese

Ø 4 hours

Prerequisites: CHIN 101

This course offers an introduction to speaking, reading, listening to, and writing Chinese. Through the study of the language, the student will also gain an appreciation of Chinese culture and contemporary life.

CHIN 201 Intermediate Chinese

Ø 4 hours

Prerequisites: CHIN 102

A continuation of the study of Mandarin Chinese: grammar, writing, speaking, reading and listening comprehension. Speaking proficiency will be developed through active class participation. The use of authentic materials (video, music, texts) will enhance language skills and cultural knowledge.
CHIN 202 Intermediate Chinese

- 4 hours
- Prerequisites: CHIN 201

A continuation of the study of Mandarin Chinese: grammar, writing, speaking, reading and listening comprehension. Speaking proficiency will be developed through active class participation. The use of authentic materials (video, music, texts) will enhance language skills and cultural knowledge.

CHIN 242 Chinese Cinema and Chinese Modernity

- 4 hours
- Fulfills: Human Expression—Primary Texts, Intercultural

From the fall of the Celestial Empire to the rise of China’s economy today, Chinese cinema has witnessed many social changes in the modern era. This course will focus on the interaction between Chinese cinema and the process of modernization. By examining how Chinese films dialogue with Hollywood, it will explore Chinese people’s experiences of semi-colonial modernity, socialist modernity and postsocialist/global modernity. Students will watch select films made in mainland China, Hong Kong and Taiwan. Along with reading and writing assignments, students will be required to do oral presentations. All films have English subtitles. All readings are in English. Students with Chinese language background can choose to complete CHIN 242 with additional assignments in Chinese.
Classics

Philip Freeman (department head)

Classics is the study of the languages, literature, and culture of the ancient Greco-Roman world. Greek and Latin are fundamental languages for the study of European literature and civilization, as well as the development of modern languages. The timeless literature of the Greeks and Romans produced Homer, Sappho, Thucydides, Plato, Virgil, and St. Augustine, to name just a few. Greek and Roman civilization has also had an enormous influence on facets of modern culture from law and poetry to art and religion. At Luther, classics also includes the study of Biblical Hebrew.

At Luther, students may earn a major in classics (Greek and Latin) or biblical languages (Greek and Hebrew). There are also minors available in classics and classical studies.

The study of classics is excellent preparation for any number of fields. Classics graduates have pursued careers and graduate studies in many areas, including music, computer science, foreign languages, theology, education, medicine, law, and business.

A classics major combines the study of the Greek and Latin languages, along with classical civilization. The department also offers two minors: (1) A classics minor focusing on Greek or Latin; (2) A classical studies minor focusing on classical civilization courses in translation.

Required for a major

Plan 1 (classical languages): Nine courses—six courses in Latin or six courses in Greek, two courses in the other language, plus one course from classical studies, or ART 251, HIST 241, 242, MUS 341, PHIL 200; and a senior project (unless completed in another major). Other non-language courses may apply with the permission of the department head. Writing requirement completed with GRK 302 or LAT 302. Students contemplating graduate study in classics should take additional courses in both languages.

Plan 2 (classical studies): Nine courses—four courses in Latin or four courses in Greek, plus five courses in classical studies, one of which must be CLAS 300, and a senior project (unless completed in another major). An additional 300-level classical studies course is required. The two remaining courses can be completed in classical studies or can be selected from ART 251, HIST 241 or 242, MUS 341, or PHIL 200. Other non-language courses may apply with the permission of the department head. Writing requirement completed with CLAS 300.

Teaching option in Latin: Students majoring in classics may become certified to teach Latin at a secondary level either as a primary field or as a second teaching area. See the education department for specific requirements.

Required for a classics minor: Five courses—four courses in Greek or four courses in Latin, plus one course from classical studies, or ART 251, HIST 241, 242, MUS 341, PHIL 200. Other non-language courses may apply with the permission of the department head.
Required for a classical studies minor: Five courses to be chosen from classical studies, ART 251, HIST 241, 242, MUS 341, PHIL 200. Other non-language courses may apply with the permission of the department head. Students may also apply a maximum of two Greek or Latin courses to the minor.

Classical Studies Courses

CLAS 240 Classical Mythology

- 4 hours
- Fulfills: Human Expression—Primary Texts

A survey of the major myths and legends of ancient Greece and Rome by reading such authors as Homer, Hesiod, Aeschylus, Euripides, and Ovid. The course also addresses the problem of interpreting myths and, when possible, introduces parallels from non-Greco-Roman traditions.

CLAS 250 The World of Ancient Greece

- 4 hours
- Fulfills: Human Expression—Primary Texts

A historical survey of ancient Greek culture from the Trojan War to the rise of Rome, including political, economic, social, literary, philosophical, and religious developments. Topics include the rise and fall of the Mycenaean kingdoms, the beginnings of the city-state, the interaction of Greeks with other cultures, Athenian democracy and imperialism, the role of women, Greek religion, the beginnings of literary genres, and the origins of Greek science and philosophy. Readings will draw from ancient historical documents and Greek literature, but also modern archaeological excavations. Open to all students without prerequisite. Offered alternate years.

CLAS 255 Ancient Roman Culture

- 4 hours
- Fulfills: Human Expression—Primary Texts

This course explores various cultural institutions and practices of the ancient Romans through an examination of textual, historical, and archaeological evidence. Emphasis will be on the period from the late Republic to early Empire. Topics include Roman banquets, the toga, houses and villas, the bath complexes, the gladiatorial games and chariot races, the theater, religion, and slavery. Offered alternate years.

CLAS 265 Greece and Rome on Film

- 4 hours
- Fulfills: Human Expression—Primary Texts

This course explores the ways in which various events and episodes from Greek and Roman myth and history have been adapted for modern film and television. We will examine a selection of films alongside their original ancient sources, and pay close attention to how these films interpret their sources, as well as how they reflect the cultural values and concerns of their audiences. What is lost or gained in the transition from page to screen? To what extent are films shaped by contemporary modes of production and reception? Are films convenient (yet inadequate)
substitutes for reading, or do they allow us a valuable, continuing engagement with their original sources? Offered alternate years.

CLAS 270 Archaeology of Ancient Greece

☐ 4 hours
✔ Fulfills: Historical, Human Expression—Primary Texts

An in-depth study of the archaeology of ancient Greece, with a focus on the high points of Greek civilization and material culture during the Classical and Hellenistic periods. We will examine archaeological methods along with developments in technology, architecture, sculpture, painting, and the minor arts. We will also consider the nature of archaeological evidence, the relationship between classical archaeology and history, and the legacy of Athens and the classical world in modern culture. Offered alternate years.

CLAS 275 Archaeology of Ancient Rome

☐ 4 hours
✔ Fulfills: Historical, Human Expression—Primary Texts

This course explores the archaeology of ancient Rome from its early beginnings to its rapid growth into one of the world’s largest empires. As we examine Roman technology, architecture, burial practices, sculpture, painting, and the minor arts, we will also consider the nature of archaeological evidence, the relationship between history and archaeology, and the legacy of ancient Rome in the modern world. Offered alternate years.

CLAS 300 Classics and Culture

☐ 4 hours
✔ Fulfills: Human Expression—Primary Texts
☐ Prerequisites: PAID 112 or equivalent.

Using texts in translation, this course explores select aspects or themes from the cultures of ancient Greece and Rome. Topics range from consideration of a particular literary genre to the in-depth study of a particular place and time, and its broader explorations of Greco-Roman culture in comparison with other cultures. This course is writing intensive and fulfills the writing requirements for all majors in the classics department. Offered alternate years.

CLAS 310 Ancient Science

☐ 4 hours
✔ Fulfills: Natural World—Nonlab
☐ Prerequisites: PAID 112 or equivalent.

This course examines the history of science and technology in the ancient world between 1200 B.C. (when Babylonian astronomical texts emerge) and A.D. 500. Scientific ideas and technological innovations will be placed in their intellectual, social, religious, economic, and political context. Emphasis is placed on the Greek and Roman period, which saw substantial developments in agriculture, astronomy, geography, mathematics, hydraulics, medicine, music, botany, zoology, and meteorology. Attention will be paid to both literary sources (read in translation) and archaeological evidence.
CLAS 320 Women and Gender in the Classical World

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: PAID 112 or transfer equivalent

This course explores the constructions and representations of women and gender in ancient Greece and Rome through an examination of textual, art historical, and archaeological evidence. The course also addresses the intersections of women's and gender issues with issues of legal status, class, and ethnicity, and pays close attention to current scholarly methodologies and approaches to the subject. Offered alternate years. (Same as WGST 320)

CLAS 360 The World of St. Patrick

- 4 hours
- Fulfills: Human Expression—Primary Texts, Historical, Religion
- Prerequisites: PAID 112 or equivalent.

This course explores the world of late antiquity through the life and times of a young Roman nobleman, later known as St. Patrick. We will read the surviving letters of Patrick and other texts from the period to better understand life on the frontier of the Roman Empire in the fifth century. Topics will include the evolution of northwest Europe from the classical to medieval period, Christianity in late antiquity and Celtic history, society and mythology.

CLAS 490 Senior Project

- 4 hours
- Prerequisites: CLAS 300

The senior project is a required capstone project for all classics majors in the classical studies track. Students will work with a professor from the Classics department to develop an appropriate research project and produce a substantial research paper on their findings.
Since the ancient Greeks, the study of rhetoric (the art of effective discourse) has been recognized as a vital pillar of human learning. It formed one of the seven liberal arts of education in medieval Europe. Modern communication studies focus on three essential areas: expressing ideas through excellence in speaking and writing; understanding interpersonal, organizational and group dynamics; and appreciating the role of various media in our highly technical world. The communication studies department encourages students to use their communication expertise ethically and in service to the larger community.

Students who major or minor in this discipline take one basic course in each of the three essential areas of rhetoric, interpersonal communication, and mass media. Upper-level courses allow students to deepen their knowledge of these three aspects of the discipline and to specialize in one of them. Internships, campus and community projects, the student newspaper Chips, and the campus radio station KWLC provide practical experience.

**Required for a major in communication studies:** COMS 130, 132, 133, 357; one theory course of COMS 342, 354, 356 or COMS 362; one applied human communication course of COMS 236, 330, or COMS 350; one advanced oral communication course of COMS 255 or COMS 353; one media analysis course of COMS 246, 258, 359, COMS 463, or designated COMS 239 or 339 courses; plus eight additional credit hours in the department. Writing requirement completed with COMS 133, 247, or COMS 357.

**Senior project presentation requirement:** All majors who choose to complete their senior project in the communication studies department must present their research in a public forum scheduled by the department each semester. The senior project requirement is not completed until the project has been publicly presented.

**Required for a minor in communication studies:** COMS 130, 132, 133, and three additional courses in the department.

**Required for a minor in journalism:** See requirements listed under Journalism in the Curriculum section of the catalog.

**Required for a second teaching area in speech and theatre:** See Education department for specific requirements. The second teaching area license is offered only in the state of Iowa.

**Communication Studies Courses**

**COMS 130 Interpersonal Communication**

- 4 hours
- Fulfills: Human Behavior
A course dealing with the basic concepts of person-to-person communication, such as the relationship between verbal and nonverbal language, the intent and result of message sharing, the variables in communicative efforts.

COMS 132 Public Address

- 4 hours
- Fulfills: Human Expression

A study of the principles of speech composition, organization, and delivery; emphasis on the role of public address in a democratic society. Each student gives a series of speeches.

COMS 133 Mass Media

- 4 hours
- Fulfills: Human Behavior—Social Science Methods

This course studies the evolution of mass media and its relationship with our culture. In addition to gaining an understanding of mass media, students will critique various forms of media, and explore basic writing skills necessary for media production.

COMS 233 Rhetoric of Spirituality

- 4 hours
- Fulfills: Human Expression

Engaging a variety of spiritual traditions (e.g. Christianity, Judaism, Islam, Buddhism, Taoism, Wicca, New Ageism), this course explores the relationship between communication, U.S. American popular culture, and the constitution of spiritual practice. Throughout the course, students study how popular spiritual texts contribute to the creation and maintenance of self, other, and spiritual ideologies. Offered alternate years.

COMS 234 Rhetoric of Everyday Life

- 4 hours
- Fulfills: Human Expression

This course examines the intersection of rhetoric, identity formation, and cultural contexts. During the course of the semester, students explore the way in which active human agents employ everyday rhetorical texts (e.g. conversation, instant messaging, fashion, home decor, music, art) as a means of constituting, negotiating, and transforming the cultures and communities in which they live. The course provides a variety of theoretical frameworks for understanding everyday human interaction as significant meaning-making event and active site of the rhetorical performance of self, other, power, authority and place.

COMS 236 Small Group Communication

- 4 hours
- Fulfills: Human Behavior
A study of the purposes, types, processes, and behavioral dynamics of small group interaction. Covers theory and research with special attention to the dynamics, leadership, and the task dimensions of groups. Each student participates in several groups.

**COMS 246 The Internet and American Life**

- 4 hours
- Fulfills: Human Behavior—Social Science Methods

This course explores the history and development of the internet and the various communication media that have emerged from it, such as e-mail, web sites, blogs, IM, listservs, mobile networks, podcasts, multi-player online games, virtual environments, etc. Through reading and discussion, students will consider how these technologies have impacted daily life, interpersonal relationships, and American culture.

**COMS 247 Electronic News Gathering**

- 4 hours
- Prerequisites: COMS 133

In the modern technological environment, journalists construct the news for a variety of media in a style that is fast-paced, visual, and highly standardized. This project-based course explores the process of establishing a story focus, gathering appropriate audio and video, scripting, presentation, and final editing to produce spot news packages. At the same time, students will be challenged to critique both the process, as well as the structure of the news industry, and to consider social, legal, ethical, and aesthetic issues that affect audience perceptions of newsworthy events. Offered alternate years.

**COMS 255 Advanced Public Address**

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: COMS 132

This course delves into the rhetorical tradition of the U. S. through a study of significant historical and contemporary speeches and their respective audiences. An understanding of rhetorical situations and responses culminates in an advanced public speaking experience. Students will write and deliver speeches at the end of the semester. Offered alternate years.

**COMS 258 Concepts of Media Production**

- 4 hours
- Prerequisites: COMS 132, 133

A project-based course which explores the capabilities and limitations of various electronic media as vehicles for informing, persuading, or inspiring. With emphasis on writing and planning skills appropriate to each medium, the course will utilize actual production experiences to introduce basic camera and lighting techniques, fundamentals of sound recording, principles of screen composition, and essentials of editing.
COMS 260 Sport, Media and Society

оде 4 hours

This course draws from scholarly work being done in media studies and the sociology of sport in order to examine the important cultural, social, and political roles of sport in contemporary society. The focus is on how sport, as well as mediated sport, can be approached critically and read in different ways. The course includes lectures on audiences, masculinity, and commercialism, as well as screenings and discussion.

COMS 270 Rethinking Freedoms of Religion, Speech, And Press

оде 4 hours
☑️ Fulfills: Historical, Human Behavior

The First Amendment to the U.S. Constitution guarantees freedom of speech and the press, along with freedoms of religion and assembly. Often news media tests the boundaries of these freedoms with controversial stories and biased reporting that raises questions of journalistic ethics. This course reviews the history of the First Amendment with a particular focus on media law and Supreme Court decisions, and examines the ethics of news reporting on controversial matters.

COMS 280 Communication and Aging

оде 4 hours
☑️ Fulfills: Human Behavior

This course will acquaint students with theory and research to increase understanding of the role of communication in the aging process. Topics covered include the social construction of age, stereotypes and myths, media portrayals, media usage, intergenerational communication in the family and workforce, the relationships of elderly within peer cohorts, and health communication during the life span. Learning will occur through readings, discussion, projects, and media analysis.

COMS 320 Urban America and Serial Television: Critically Analyzing "The Wire"

оде 4 hours
☑️ Fulfills: Human Expression—Primary Texts

Frequently hailed as a masterpiece of American television, "The Wire" shines a light on urban decay in contemporary America, creating a dramatic portrait of Baltimore’s police, drug trade, shipping docks, city hall, public schools, and newspapers over five serialized seasons. In this course, we will watch and discuss all of this remarkable - and remarkably entertaining - series, and place it within the dual contexts of contemporary American society and the aesthetics of television. This course focuses on close viewing and discussion, and opportunities for critical analysis and research about the show’s social contexts and aesthetic practices.

COMS 330 Family Communication
In this course, students will examine the role of communication in families, how families shape us as individuals, and how the context of family functions in larger society. Through reading scholarship on family communication, discussion, projects and presentations, we will address questions such as how definitions of family have changed overtime, how individuals define self in relation to family members, how challenges in families are managed, how differences in family forms influence family function, and how communication patterns affect how we interact with and understand each other. Ultimately, this course investigates individual human behavior and human interactions within the societal context of the family.

**COMS 335 Masculinity in Film**

- 4 hours
- Fulfills: Human Expression
- Prerequisites: COMS 130 or WGST 130

This course takes a feminist perspective to analyze portrayals of sex and gender in film with a particular emphasis on how men and masculinity can be represented. The focus is on how films construct different notions of gender, how films can be read in different ways, and to what social uses film portrayals may be put. The course includes lectures on film criticism, gender theory, and theories of representation, as well as screenings and discussion. Offered alternate years. (Same as WGST 335)

**COMS 342 Feminist Rhetorical Theories**

- 4 hours
- Fulfills: Human Expression, Human Behavior—Social Science Methods, Historical
- Prerequisites: WGST 130 or COMS 132

This course is a study of feminist rhetorical theories and expression. The class reads texts by feminist rhetorical theorists and rhetors. Special emphasis is placed on the intersection between social, cultural and economic contexts, political influences, and rhetorical strategies of women rhetors challenging Western patriarchy. This course applies toward the theory requirement for the WGST major. Offered alternate years. (Same as WGST 342)

**COMS 347 Critical Television Studies**

- 4 hours
- Fulfills: Human Expression
- Prerequisites: COMS 133

This course examines television within the context of cultural, aesthetic, technological, textual, regulatory, social, and political practices. There are a number of intersecting aims: to trace the development of television (mainly in the United States, but with attention to global systems); to map the contours of critical TV studies; to understand theories and methods of television scholarship; to theorize television’s relationship to consumer culture, history, capitalism, diversity, citizenship, everyday life, and selfhood (among other key concepts); and to entertain new directions in critical TV studies. Because television is a medium in transition, the extent to which
television remains (or has never been) a truly distinct medium, and its current relationship to media convergence, will also be considered.

COMS 348 Radio Journalism

4 hours

The course addresses the history, theory, and practice of American radio journalism. Topics of study include interviewing, news writing and reporting, hosting, documentary making, sound collecting, and studio and field production techniques. The course follows primarily the model of non-commercial American radio journalism, especially National Public Radio and Public Radio International. Students learn both to critically evaluate the work of others and to produce their own examples of these forms of radio journalism. It is strongly recommended that students who enroll in this course have at least one semester of on-air experience with Luther College Radio station KWLC. Offered alternate years.

COMS 350 Intercultural Communication

4 hours

Fulfills: Human Behavior—Social Science Methods, Intercultural
Prerequisites: COMS 130

Communication theory and research are used to examine the processes involved in communicating with those who are not members of one’s particular cultural, ethnic, racial, religious, gender, ability, and socioeconomic group. Discussion, group activities, and papers will focus on the issues of awareness and competence in increasing one’s communicative effectiveness.

COMS 353 Argumentation

4 hours

Fulfills: Human Expression
Prerequisites: COMS 132

The course takes a rhetorical perspective on argument. Basic principles of argumentation are explored: problem solving through evidence, reasoning, and persuasion. Analysis and criticism of various types of contemporary speech-making based on principles, models, and theories of argumentation. Offered alternate years.

COMS 354 Persuasion Theories

4 hours

Fulfills: Human Behavior
Prerequisites: COMS 130, 132, and 133

The course examines contemporary persuasion theory and its applicability to the media of news, advertising, and political communication.

COMS 356 Rhetorical Theories
This course examines key concepts in the area of rhetorical theory. Grounded in classical and contemporary texts, students explore the function of rhetoric in relation to knowledge, community, governance, identity, power, and resistance. Throughout the course, particular attention is given to the relationship between rhetoric and social transformation.

COMS 357 Research Methods

4 hours
✓ Fulfills: Human Behavior, Historical
Prerequisites: COMS 130, 132, and 133

Students are introduced to communication and rhetorical methods including design of experimental, survey, textual, rhetorical, and ethnographic research.

COMS 358 Concepts of Media Production II: The Documentary

4 hours
Prerequisites: COMS 258

In this course students build on the skills of analysis, scripting, and production development developed in COMS 258 to research, script, plan, produce and edit their own documentary programs.

COMS 359 Media and Popular Culture

4 hours
✓ Fulfills: Human Behavior
Prerequisites: COMS 133

An in-depth exploration of the relationship between mass media and culture with particular emphasis on the relationship between the media of mass communication and particular fundamental institutions, such as family, government, religious institutions, and the commercial sphere. The course will also offer opportunities for student research concerning how media influence language, values, and social norms.

COMS 362 Communication Theories

4 hours
✓ Fulfills: Human Behavior
Prerequisites: COMS 130, 132, and 133

This course will examine human communication in interpersonal, small group, and organizational structures at a higher theoretical level. Students will analyze and synthesize various conceptual, descriptive and explanatory theoretical orientations that have been introduced in previous communication courses.
COMS 370 The Dark Side of Interpersonal Communication

- 4 hours
- Fulfills: Human Behavior
- Prerequisites: COMS 130

This course will focus on communicative phenomenon and behaviors using the recent scholarly approach known as the "Dark Side." Studies from the dark side perspective focus on aspects of communication that are: (a) dark, dysfunctional, and/or immoral, (b) viewed as dark but may have functional outcomes, and (c) viewed as bright but may have damaging outcomes. For example, why do some relationships include verbal or physical abuse? Is deception regarding a relational transgression acceptable if the goal is to protect the relationship? What happens if there is too much of a good thing, such as overly self-disclosing? During the semester, we will unravel the complexities of the dark side of interpersonal communication. The course will include analysis through readings, discussion, papers, presentations, and projects.

COMS 463 Communication and Public Relations

- 4 hours
- Fulfills: Human Behavior
- Prerequisites: Junior standing

This course examines concepts of public relations practice in organizational systems with emphasis on communication theory and development of a problem-solving perspective. Students apply theory directly to practical public relations problems. Requires junior or senior status.

COMS 464 Advanced Research Methods

- 4 hours
- Fulfills: Human Behavior—Social Science Methods
- Prerequisites: COMS 130, 132, 133, and 357

Students build on research methods learned in COMS 357. Research focus is dependent upon instructor and ranges from rhetorical to qualitative, quantitative, and media research. Students will produce a research project suitable for professional presentation.

COMS 490 Senior Project

- 2 hours
Computer Science

Brad Miller (department head)

The computer science major at Luther is designed to provide each student with the academic base needed to keep abreast of the changing world of computing. Both theory and practice are taught to allow students to successfully join computer professionals already working in the field.

The major contains a set of core courses in which computer science students learn concepts common to all areas of the discipline. Students then select from a wide range of computer science electives. Since computer science relates to so many different disciplines, students are encouraged to select additional supporting courses from a broad range of academic areas.

In addition, all majors at Luther require a writing component. In computer science, this is fulfilled by taking CS 296 in conjunction with a companion course. See the CS 296 course description for a list of acceptable companion courses. The research will be graded and must be completed with a grade of C or above in order to fulfill the writing and presentation requirement in the major.

Required for a major: CS 130, 140, 150, 160, 165; one from CS 252 or 253; CS 260, 296, 330, 360, 370; two from DS 420, CS 430, 440, 450. The year-long senior project (CS 490 and CS 491) is also required.

Computer science majors are strongly encouraged to take PAID 450: Ethics and Technology, as their Paideia capstone course. Students considering graduate school are strongly encouraged to take MATH 220 as well.

Required for a minor: CS 130, 140, 150, 160, 165; one from CS 252 or 253; CS 330.

Advanced Placement Credit: Advanced placement credit is dependent on successful completion of CS 160 or one of the other computer science courses required for the major. CS 160 is the lowest numbered course for which advanced placement credit will be considered.

Computer Science Courses

CS 130 Fundamentals of Web Programming

This course focuses on learning the basic building blocks of web programming. The student will be introduced to three languages used for web page design and implementation: HTML, CSS, and Javascript. To develop a deeper understanding of how web sites work together, the HTTP protocol will be introduced along with basic AJAX programming. The 4 credit option is available when offered during the summer. Recommended for students with an interest in computer science but no prior experience.
CS 140 Data Modeling and Querying

- 2 hours

The course focuses on constructing relational models of data, the relational algebra, querying relational databases using SQL. Students will become familiar with a popular open source data management system such as MySQL or Postgresql.

CS 150 Introduction to Computer Science

- 4 hours
- Fulfills: Quantitative

An introduction to computer science emphasizing problem solving. Problems are selected from a variety of interesting areas such as graphics, image processing, cryptography, data analysis, astronomy, video games, and environmental stimulation. Topics include algorithm design and object oriented programming.

CS 160 Algorithms and Data Structures

- 4 hours
- Prerequisites: CS 150.

A continuation of the ideas presented in CS 150 with particular emphasis on data structures, algorithms, and analysis. Implementation of abstract data types such as stacks, queues, trees, and graphs as well as important recursive and non-recursive algorithms. Analysis of sorting and searching algorithms.

CS 165 Software Development Tools

- 2 hours

Students are introduced to tools for automation including shell programming, use of the Linux operating system including redirection of input and output, piping, file management, and system security.

CS 252 Object-Oriented Programming With Java

- 2 hours
- Prerequisites: CS 150, 165.

Introduction to Java and development in an object-oriented programming language. Topics include project setup and organization, packages, classes, object creation, inheritance, interfaces, polymorphism and the use of built-in types and the Java class library. Considerable time is dedicated to learning incremental programming, debugging strategies, testing strategies, interface documentation, preconditions, postconditions, boundary case testing, unit testing of individual functions, test stubs and test harnesses.

CS 253 Object-Oriented Programming With C++
Introduction to C and C++ and development in an object-oriented programming language. Topics include C++ organization of classes and function prototypes, header files, class declaration and implementation. Other topics include inheritance, polymorphism, the use of copy constructors, destructors, streams, and operator overloading. Considerable time is dedicated to learning incremental programming, debugging strategies, testing strategies, interface documentation, preconditions, postconditions, boundary case testing, unit testing of individual functions, test stubs and test harnesses.

CS 260 Computational Models

4 hours
Prerequisites: CS 160, 165.

In this course we examine mathematical structures that are relevant to understanding both theoretical as well as practical ideas in computer science. Topics include: logic, sets, graph theory, regular languages, deterministic and nondeterministic finite automata, regular grammars, regular expressions, induction and recursion, pushdown automata, turing machines, and computability.

CS 296 Writing in the Major Lab

1 hour

A companion to any of CS 320, 330, 352, 353, 360, 370, 420, 430, 440, or 450. Students wishing to delve deeper into a subject in one of the companion courses may register for this lab with consent of instructor. A student taking this lab will be required to write a technical paper in the style typical of a computer science journal or conference proceedings, on a topic agreed to by the companion course instructor. Feedback will be provided on writing style and content with the paper going through multiple revisions. Students receiving a C or better on their paper will fulfill the writing in the major requirement. Students may register for this as a seven week lab anytime prior to the middle of the semester in which the companion course is taught. Requires consent of instructor.

CS 320 Data Analysis and Visualization

4 hours
Prerequisites: CS 150, MATH 115 or the equivalent.

A tool based approach to data manipulation, modeling, machine learning, and visualization using one or more packages such as matplotlib, pandas, d3.js, scikit-learn. Topics include data extraction, discovery, cleaning, machine learning algorithms, training procedures, prediction, and visualization. Specific application to real data sets in native formats from actual data sources.

CS 330 Internet Programming

4 hours
Prerequisites: CS 130, 140, and 160.

In this course we examine three-tier Internet application architectures. Applications developed for
the internet typically have a database back end, an application server in the middle and a web server on the front end. We will examine application programming frameworks from CGI to Servlets, and other modern application programming frameworks such as Ruby on Rails. Other topics include XML-based architectures such as RSS and web services, data transformation using XSL and XSLT. The course is largely project driven, students will implement a complete web based application. HCI is addressed.

CS 352 Embedded Android Programming

○ 4 hours
- Prerequisites: CS 200 or 253.

Study Android development with attention to HCI. Taught alternating years.

CS 353 Embedded iOS Programming

○ 4 hours
- Prerequisites: CS 253.

Study iOS development with attention to HCI. Taught alternating years.

CS 360 Advanced Algorithms and Data Structures

○ 4 hours

Development of advanced data structures, parallel algorithms, and advanced analysis of algorithms. Included topics are B-trees, Tries, B+ and B* trees, hashing algorithms and other structures for dealing with large data sets. Algorithms for data set manipulation including parallel algorithms for processing data sets.

CS 370 Programming Languages

○ 4 hours
- Prerequisites: CS 252 or 253, CS 260.

A comparison of the structure, design, and applications of various programming languages. Topics include history, language definition, formal models of syntax and semantics, data types and structures, data abstraction, control structures, data flow, and runtime considerations. Languages will be discussed in a logical organization based upon the major paradigms including imperative, logic, functional, and object oriented. Examples from classic and contemporary languages.

CS 385 Understanding Entrepreneurship in Silicon Valley

○ 4 hours
- Prerequisites: Junior standing

Internet technology has fundamentally changed marketing, communications and the operations of every business in our society. Silicon Valley is home to the people, places and power sources that drive this machine. Students in this J-Term trip will gain both theoretical and tactical
understanding of business strategies utilized in the Valley and also have the opportunity to speak with industry leaders and the companies they represent. We will visit companies and key people including entrepreneurs, venture capitalists, engineers and marketing professionals. (Same as MGT 385)

CS 420 Machine Learning

4 hours

Prerequisites: CS 260, 320.

This course looks at the implementation of many of the algorithms and techniques introduced in the CS 320 course, including simple neural networks, support vector machines, and clustering techniques. Taught alternating years.

CS 430 Computer Networks

4 hours

Prerequisites: CS 252 or 253, CS 260.

Concepts, principles, protocols, and applications of computer networks with a focus on the Internet, including application layer protocols such as http, smtp; socket programming and peer-to-peer networks; transport-layer protocols such as TCP, UDP and congestion control; network layer algorithms for routing and broadcast, and multicast; link-level protocols for local area networks such as Ethernet and WIFI; and issues in network privacy and security.

CS 440 Database Management Systems

4 hours

Prerequisites: CS 140, 252 or 253, 260.

This course takes a bottom-up approach to understanding a complex software system. The course examines the implementation of a database management system. Topics include disk and file management, transaction processing, meta-data management, query planning and implementation, parsing queries, indexing, query optimization, and B-trees.

CS 450 Operating Systems and Architecture

4 hours

Prerequisites: CS 252 or 253, 260.

A study of computer architecture and operating systems structures and algorithms emphasizing multiple-user systems. Topics include binary number systems, digital logic circuits, machine architecture and assembly language, process management, CPU scheduling, concurrency and multi-tasking computing concepts including communication and synchronization issues, storage management, and protection and security.
CS 490 Senior Project

Ο 2 hours

Senior computer science majors participate in a substantial, yearlong software development project; CS 490 in the fall, CS 491 in the spring. Students work from conceptualization and design through to implementation and delivery of a real software application.

CS 491 Senior Project

Ο 2 hours

Prerequisites: CS 490

A continuation of CS 490.
Dance

Ben Moore (department head)

Art and performance training expands the capabilities of the human body and imagination, developing capacities for persistence, invention, and communication. Dance majors learn self-confidence and refine their ability to conceive and enact new ideas, practices, and solutions through the performative body. Collaborative performances and studio environments stimulate active learning, and promote body and mind development toward reflecting what it means to be human. This approach equips students with skills for dealing with a complex world, and engaging with and contributing to the dance world as performers, choreographers, teachers, and collaborators.

The dance major is appropriate for the student who is continuing her/his study of dance, re-entering dance, or accessing dance for the first time. The discipline of dance at Luther is based in the experiential and analytical study of movement fundamentals, three courses rooted in somatic (body based) rather than dance styles education. These three courses educate the dance artist through the paired principles of: alignment and function; range and efficiency; and vocabulary and intention. Along with movement fundamentals, contact improvisation is a core component in shaping this holistic and distinct foundation for dance technique. This somatic approach to dance brings suppleness and refinement to skills attained in prior studio training and daily life movements while adding sophistication to dance making and performing.

Dance majors become dance artists, dance or movement teachers, or continue on to become dance scholars. Dance majors pursue graduate and professional studies, certification and employment in performance; choreography; dance or movement education; dance curation; dance studio or company management; somatic movement practices; somatic psychology; movement, dance, or massage therapy; medicine; and chiropractic arts.

**Required for a major:** 33 credit hours including DAN 100/THE 100 (6 times), DAN 101, 105, 205; DAN 130 or 230; DAN 264; DAN 300/THE 300; DAN 305, 351, 360. Writing requirement completed with DAN 351.

**Dance Synthesis:** During the sophomore year majors will develop a written reflection outlining their previous work in the performing arts and develop possible pathways for future directions leading toward their senior project.

**Required for a minor:** DAN 101, 105, 130, 205; DAN 300 or THE 300; DAN 100 (three times) or DAN 100 (one time) and DAN 305.

**Dance Management Concentration:** To complete the dance management concentration a student is required to complete a major in dance and a minor in management, or a major in management and a minor in dance.

Dance Courses
DAN 100 Performance Practicum

- 0 hours
- Fulfills: Human Expression, Skills

An intensive experiential research ensemble devoted to creating, developing, performing and producing a faculty-directed dance performance. Students in this course will be involved in research and theoretical discussion supporting active involvement in a collaborative process of performance and production. Dance majors must complete six performance practicums, while minors must complete three. Course may be repeated an unlimited number of times (including more than one in a semester). Enrollment by audition or consent of instructor, will be limited to performing members of the ensemble for the production.

DAN 101 Dance Technique and Analysis

- 4 hours
- Fulfills: Human Expression—Primary Texts

This course introduces Movement Fundamentals (MF) through theatrical, social, ritualized dance and movement practices. Students will investigate how MF prepares them for analyzing ritualized dance and movement practices and for teaching and performing various dance and movement forms (ballet, contemporary, jazz, hip-hop, yoga, pilates, swing, ballroom, martial arts, etc). This course examines the performing body as primary text through performance (both live and recorded) and theoretical texts from various theatrical, social, ritualized dance and movement practices.

DAN 105 Movement Fundamentals I: Practices of Alignment and Function

- 4 hours
- Fulfills: Human Expression

An introductory movement course exploring vital integrative connections between somatic practice and performance preparation. Somatic skills including dynamic alignment and functional anatomy provide the groundwork for embodied movement exploration. The study and practice of dynamic alignment and embodied anatomy unfolds new relationships between physical function and expression.

DAN 130 Contact Improvisation

- 4 hours
- Fulfills: Human Behavior, Human Expression, Skills

This course is an introduction to the fundamentals of contact improvisation, a dance form that explores elements of physical contact among participants while challenging preconceptions about the gendered body. Emphasis will be placed on finding mindful and physical ways to prepare to be "ready" to dance: cultivating a quiet core amidst the wilderness of physical disorientation; finding the root of levity, contact point, weight sharing, and physical pathways into the floor and air; and focusing attention on the details of sensation. Students will engage in egalitarian practices for building physical skills of trust, receptivity, and responsiveness, as well as physical tolerance for waiting in the unknown. (Same as WGST 131)
DAN 199 Dance Synthesis

0 hours

During the sophomore year majors will develop a written reflection outlining their previous work in the performing arts and develop possible pathways for future directions leading toward their senior project.

DAN 205 Movement Fundamentals II: Practices of Range and Efficiency

4 hours

✓ Fulfills: Human Expression

Prerequisites: DAN 105

An intermediate movement course building technical practice from basic somatic skills. This technique course supports awareness of individual movement patterns and sequences allowing for the development of new movement possibilities. This increased range and efficiency opens the door to new levels of creative expression in communication and performance. This course may be repeated twice.

DAN 230 Contact Improvisation II

4 hours

✓ Fulfills: Human Expression

Prerequisites: DAN 130.

Building on introductory practices of contact improvisation, students will develop their physical skills in both capacity and subtlety within the form. Students will improve listening and internal awareness for very fast dancing, patterning in and out of the floor, more innovation in lifting, and maintaining the point of contact coming out of lifts. Further study includes the craft and facilitation of scores for the practice and performance of contact improvisation.

DAN 264 Performance Research: The Happenings Course

4 hours

✓ Fulfills: Human Expression

This experiential studio and field course will provide the student with theories, practices and performance opportunities based in creating site-specific “happenings” both on and off campus, inspired by the (American) avant-garde theatre. Students will configure and implement performance scores based in concepts of attracting attention and creating a gathering within the mundane domain. The intensity of the research is based in uncompromising realism and raw and unmediated ways in which artists confront experiences in collusion with audiences from real time in order to investigate new levels of understanding perceptual or psychological states of being human. This performance research attempts to open a disquieting discourse on contemporary daily life. Recommended for the student interested in performance and art, the historical (American) avant-garde and creating community.
DAN 300 Production Studio

1 hour

An experiential collaborative component for the dance major. Set within a faculty-directed project or production, the student participates in research, dialogue, and the underpinnings of producing work. Requires junior or senior standing. (Same as THE 300)

DAN 305 Movement Fundamentals III: Practices of Vocabulary and Intention

4 hours

- Fulfills: Human Expression
- Prerequisites: DAN 205

This is an advanced movement course focusing on crystallizing performance skills through the development of individual movement versatility and invention. Practice of technique builds from somatic skills and contemporary dance vocabulary through both technical phrasing and improvisational scoring. Depth of integrative practice prepares the mover to refine movement vocabulary and clarify movement vocabulary and intention. This course may be repeated.

DAN 351 Dance History

4 hours

- Fulfills: Historical, Human Expression—Primary Texts

This course studies a breadth of representative dance artists, artworks and practices from the ancient period to the present in order to understand intercultural and cross-genre development of performance dance. African, American, Asian and European dance forms are included, with a focus on figures and conventions in ballet and Western modern and contemporary dance. Dance and choreography are analyzed in relation to their historical, artistic, social and political contexts. Depth is accomplished through individual scholarly research projects on a subject of the student’s choosing, and experiential projects focused on a particular dance artist or artistic concept.

DAN 360 Dance Composition

4 hours

- Fulfills: Human Expression
- Prerequisites: DAN 101 or DAN 105; THE 127 or ART 104.

This course introduces the basic tools of dance-making, while exploring the development and crafting of movement within time, space, and design elements. Consideration of compositional methods in other art forms-theatre, music, visual art, literature-will inform the development of skills for creating dance/movement events. Students will prepare solo and group studies for informal performances and observe, discuss, and critique their work as they learn how to see dance as well as make it.
DAN 490 Senior Seminar

- 2 hours
- Prerequisites: Senior standing

This is an intensive, collaborative study of selected theories, performance artist(s), writer(s), a selected period, or movement. The seminar will often intersect the disciplines of theatre and dance. The course format rests upon student-led discussion and development of an artist’s manifesto, both of which will be used to focus and develop the senior project proposal.

DAN 491 Senior Project

- 2 hours
- Prerequisites: DAN 490 and senior standing

Students will complete an individualized or collaborative senior project. The project will include a written artist’s statement, process documentation, post-project reflection/critique, and will be presented publicly. Students will orally defend their project before the department following the public presentation. Double majors may petition the department to accept another department’s senior project in lieu of the dance senior project requirement. If double majoring, and choice is to do senior project in a major other than dance, the dance program requests the deliberate integration of dance practice or production with the project, as well as selection of a dance faculty member for an advisory role.
Data Science

Brad Miller (department head)

Data science is the study of how we extract meaning from data, and in a data driven world, this is an exciting time to seek a degree in this field. Data science is unique in that it combines techniques and theories from many fields including mathematics, computer science, probability and statistics, machine learning, pattern recognition, communication studies, art, and ethics.

The data science major at Luther is designed to provide students with an interest in data science with the technical skills required to enter this field, along with the interdisciplinary breadth required to apply these skills to a particular field.

Required for a major: DS 120, 320, 420; CS 130, 140, and 150; MATH 115 (or equivalent statistics course, such as BIO 256, MGT 150, PSYC 350, or SOC 350) and MATH 327; and 3 Subject Matter courses, 2 of which must be numbered above 200. Senior Project (DS 490; 4 credit hours) is not required if a student completes the Senior Project in another major.

The writing requirement is fulfilled with MATH 327. The speaking requirement is fulfilled in DS 320 and 420. The research requirement is fulfilled in DS 420.

Subject Matter Courses: Subject Matter courses give students the required background in one of the subject matter fields. Below are subject matter course clusters that would focus on the areas where there is an overlap with analytics. Students may also design their own set of preparatory courses in consultation with the Computer Science department head and subject area faculty. Three courses from different departments may be accepted as long as they form a cohesive package.

Biology: BIO 248, 354, and 356
Business Management: MGT 250, 368, and 371
Communication Studies: COMS 133, 246, and 247
Economics: ECON 130, 333, and 342

No more than two courses counting for another major or minor may be applied to the data science major, including the subject matter courses. For a double major with Computer Science, a student may only count CS 130, 140, and 150 for both.

Required for a minor: DS 120, 320, and 420; CS 130, 140, 150; and MATH 115 (or equivalent statistics course, such as BIO 256, MGT 150, PSYC 350, or SOC 350). There is no requirement for a capstone project, but students are encouraged to incorporate a data science element into their senior project.

Advanced Placement Credit: A student who receives a score of 4 or 5 on the APCS-A exam will receive credit for CS 150. A student who receives a score of 4 or 5 on the AP Statistics exam may receive credit for Math 115.
Data Science Courses

DS 120 Introduction to Data Science

- 4 hours
- ☑️ Fulfills: Quantitative

An introduction to the discipline of data science through case studies and hands-on experience. Students will see examples of real data science and will gain an understanding of the theory and practice. They will also use simple tools and techniques to begin to understand the complexities of data manipulation, modeling, and visualization.

DS 320 Data Analysis and Visualization

- 4 hours
- Prerequisites: CS 150; MATH 115 or equivalent college level statistics course

A tool based approach to data manipulation, modeling, machine learning, and visualization using one or more packages such as matplotlib, pandas, d3.js, scikit-learn. Topics include data extraction, discovery, cleaning, machine learning algorithms, training procedures, prediction, and visualization. Specific application to real data sets in native formatics from actual data sources.

DS 420 Applied Machine Learning

- 4 hours
- Prerequisites: CS 260 or DS 320

This course looks at the algorithms and techniques used in Machine learning, including simple neural networks, support vector machines, decision trees and clustering techniques. The course takes a top down approach in using the algorithms through common Data Science tools such as Scikit-learn or R. This course will also look at good experimental design for using these tools.

DS 490 Senior Project

- 4 hours
Economics

Steve Holland (department head)

The economics program emphasizes the role of economics in monetary policy, social issues, and commerce. Students can select from two plans of study. Plan 1 emphasizes quantitative skills including calculus. Plan 2 combines the study of economics with the field of political science. Students should consult with an economics faculty member to plan their program of study. A minor in economics is also offered.

Required for the major:

Plan I. ECON 130, 142, 247, 248, 342, 490; MATH 141 or MATH 151 (or above); and four economics courses above 250. ECON 490 is required of all economics majors, even those completing a second major. Writing requirement completed with ECON 255, 256, or ECON 268.

Plan II. ECON 130, 142, 247, 248, 256, 490; two courses from POLS 247, 258, 350, 355, 362, or POLS 364; and three additional economics courses numbered 250 or above which have not already been counted. Completion of MATH 141 or MATH 151 (or above) is recommended. ECON 490 is required of all economics majors, even those completing a second major. Writing requirement completed with ECON 255, 256, or ECON 268.

The credit hours required for the economics major must be earned in regular classroom courses. Credits earned through directed readings, independent study, internships and the senior project may not be counted toward the total hours required for the major or minor.

Students interested in teaching should complete plan 1. See education department for secondary education minor requirements.

Students majoring in this area are urged to consider the following courses as electives: COMS 132, ENG 210, PHIL 100 and PHIL 120, SOC 101, POLS 130, PSYC 130. Students planning on graduate study should consider MATH 240, 321, and 322.

Required for a minor: ECON 130, 247 or 248, and three additional economics courses numbered above 250. Requirements for a second teaching area are the same as those for an academic minor.

Economics Courses

ECON 130 Principles of Economics

4 hours

Fulfills: Human Behavior—Social Science Methods

An introduction to the uses of economic theory in the analysis of problems emergent in large
ECON 142 Economic Numeracy

- 4 hours
- Fulfills: Quantitative

An introduction to the empirical problems in understanding economic choice, opportunity, and policy. Designed to improve the student's quantitative sophistication in understanding economic problems and issues by combining an introduction to macroeconomic data sources, elementary economic simulation techniques, and regular interpretation/analysis of public presentation of quantitative economic information.

ECON 247 Intermediate Economic Theory: Macro

- 4 hours
- Fulfills: Human Behavior—Social Science Methods
- Prerequisites: ECON 130, 142.

Analysis of the factors influencing the aggregate level of national income, employment, and inflation from a variety of perspectives, including the post-Keynesian.

ECON 248 Intermediate Economic Theory: Micro

- 4 hours
- Fulfills: Human Behavior—Social Science Methods, Quantitative
- Prerequisites: ECON 130.

A theoretical approach to understanding how consumers and firms make decisions and how those decisions affect the economy and our society. Topics include consumer theory, the theory of the firm, industrial organization, equilibrium, and market failures.

ECON 255 Environmental Economics

- 4 hours
- Fulfills: Human Behavior—Social Science Methods
- Prerequisites: ECON 130

The application of economic principles to environmental issues. Valuation of environmental damage and environmental improvements, including non-market approaches. Methods of environmental regulation, such as taxes, standards, and transferable permits. Other topics such as climate change and species loss may also be covered.

ECON 256 Economic History

- 4 hours
- Fulfills: Human Behavior, Historical
- Prerequisites: ECON 130.
This course focuses on applying basic methods of economic way of thinking (cost/benefit analysis, supply and demand analysis, simulation) through empirical examination of episodes in American, European and world history.

ECON 262 Development Economics

- 4 hours
- Fulfill: Human Behavior—Social Science Methods, Intercultural
- Prerequisites: ECON 130.

This course focuses on the issues facing developing nations. We will use both theoretical and empirical methods to address questions such as: What does it mean to "develop?" Why does so much of the world's population live in extreme poverty? What are their lives like? What can be done to speed development?

ECON 268 Law and Economics

- 4 hours
- Fulfill: Human Behavior—Social Science Methods
- Prerequisites: ECON 130.

The economic way of thinking is used to explore the relationships between law and economics, to consider how different kinds of laws and legal structures will/should/might work. Real-world examples—real statutes, real cases—are used throughout to focus discussion in a comparison of two competing models of law and economics.

ECON 333 Economics of Information and Networks

- 4 hours
- Fulfill: Human Behavior—Social Science Methods
- Prerequisites: ECON 130.

A course exploring the economics of information, language, and networks. Microeconomic examination of how individual choice are shaped by information costs and asymetries is combined with macroeconomic consideration of how information networks shape and/or frustrate public policy. Particular emphasis given to the economic consequences of language and the effects of information on entrepreneurship.

ECON 342 Introduction to Econometrics

- 4 hours
- Fulfill: Human Behavior—Social Science Methods
- Prerequisites: ECON 130.

An introduction to the techniques of econometric analysis. Students will learn to use techniques of statistical significance and regression to test theories and draw inferences from economic and other social science data. Topics include simple and multiple linear regression, multicollinearity, autoregression, and heteroscedasticity.
ECON 361 Money, Credit, and Banking

- 4 hours
- Fulfills: Human Behavior—Social Science Methods
- Prerequisites: ECON 130, 247.


ECON 362 International Economics

- 4 hours
- Fulfills: Intercultural, Human Behavior—Social Science Methods
- Prerequisites: ECON 130, 248.

Study of international economic principles necessary for understanding the world economy and economic exchanges that cross political boundaries. Topics include trade theory, governmental policies, international finance, foreign exchange markets, multinational corporations, and Third World perspectives.

ECON 366 Public Finance

- 4 hours
- Fulfills: Human Behavior—Social Science Methods
- Prerequisites: ECON 130, 248.

Economic analysis of activity undertaken through government, mainly in the areas of social insurance and taxation. For each program and policy we ask what might be expected on theoretical grounds, and follow up by examining the empirical record.

ECON 490 Senior Project

- 4 hours
- Prerequisites: Senior standing

This course requires students to draw upon their economic education to formulate and address important public policy, business and ethical questions. Students will meet in a seminar setting to study and discuss topics of special interest through the prism of an economic way of thinking. Students are also required to write and publicly present a research paper in which they apply their own economic analysis to an issue. Requires senior standing.
Education

Barbara Bohach (department head)

Teacher Education Programs—K–6 Elementary, 5–12 Secondary, K–12 Art, K–12 Music, K–12 Health and PE

All completers of the Luther Teacher Education Program are eligible for a license to teach in Iowa. See the Luther College Education website for information regarding licensure in other states. For complete information regarding the education programs and licensure requirements at Luther, consult the Education Department website. Changes in Iowa state requirements appear periodically, so printed material may be out of date; the Education Department endeavors to keep the departmental website updated. Be sure to consult the Teacher Education Program Handbook. All students pursuing licensure in education must be aware that their course selections will have an impact on the length of their programs and their certification. For this reason, it is important that these students maintain regular contact with their education advisors and with the Education Department staff. It is imperative that secondary and K–12 students with advisors in other departments also seek regular consultation with the Education Department staff and faculty.

Important information for all students interested in the teacher education program:

- Students must be approved for the Teacher Education Program before they are permitted to register for 300–400 level courses in the education department. Transfer students should see Education Department Chair.
- Completed Teacher Education Program applications are due October 1 or March 1 for admission.
- The Education Department and all teaching area departments review teacher education candidates.
- Students may not transfer methods courses at the 300 level or above from another institution.

To be licensed to teach, a student must successfully complete the education program at Luther College. There are three levels of approval within the Teacher Education Program: admission to teacher education, approval for the professional semester, and approval for licensure.

A. Admission to the Teacher Education Program (required before taking any courses at or above the 300-level)

1. 2.75 minimum overall GPA.
2. Pass the following courses:
   - EDUC 185 or 215
   - EDUC 220
   - EDUC 221
   - EDUC 222, 232, 252, ART 228, HLTH 201, or PE 247
3. Three recommendations from faculty (at least one from students’ major field of study) and staff.
4. Passing scores on one of two approved Basic Skills Exams:
a. Praxis Core exam: reading (156), writing (162), mathematics (150). Praxis Core exams are given on Luther College’s campus at the testing center. To register and view test availability, see ETS.org.

b. *Minnesota NES® Essential Academic Skills test*: reading (240), writing (240) and mathematics (240). See the Minnesota Department of Education website for additional information (Minnesota-bound students only).

5. Approval of the candidate by all teaching-area departments and the Education Department.

6. Satisfactory completion of the introductory portfolio.

7. Students desiring to teach music must have passed piano proficiency or be enrolled in MUS 117.

B. Approval for the professional semester (student teaching)

All education majors and minors are required to have a practicum that includes students from diverse backgrounds. All K–12 education minors are required to student teach both at the elementary and secondary grade levels. Elementary majors are required to student teach at the [K–2] and [3–6] grade levels. All secondary minors are required to student teach at the [5–8] and [9–12] levels.

1. Approval by all teaching-area departments, and the Education Department.

2. A 2.75 minimum overall GPA and 2.75 minimum GPA in all teaching areas including Education Department coursework. (Exceptions include modern languages at 3.00 and mathematics/biology/chemistry at 2.50). Math teaching majors must earn a grade of C or above in MATH 220, 240 and 365. We incorporate all transfer course grades when calculating the GPA.

3. Removal of all incompletes and completion of the foundation courses, EDUC 185/EDUC 215 (Clinical Experience I in the Schools) EDUC 220, 221 and according to the major area: EDUC 222, 232, 252, ART 222, HLTH 201, and/or PE 247.
   - Elementary Education majors completion of their mathematics and life and physical lab science courses plus EDUC 223, 226, 320, 321, 322, 325, 326, 328, and EDUC 329, and all endorsement classes before the student teaching semester. All content area courses need to be passed with a "C" or above.
   - Secondary Education minors completion of methods coursework in their field of study plus 90 percent of their major requirements before the student teaching semester.
   - K–12 Art, Music, Health and PE majors completion of methods coursework in their field of study plus 90 percent of their major requirements before the student teaching semester.

4. Attend a professional semester application meeting that is appropriate for your professional semester:
   - Fall student teachers’ meeting: The year BEFORE you wish to student teach, regardless of whether you will student teach in the fall or spring.
   - An additional meeting: One semester BEFORE you wish to student teach.

5. Satisfactory completion of a developing portfolio.

C. Approval for licensure after completion of the teacher education program, professional semester, and graduation from Luther College.

Luther College prepares students to be eligible for licensure in the state of Iowa. Luther students are also eligible to receive a preliminary license in most states. All students must complete the Luther
College program and meet the Iowa requirements, irrespective of the state in which the student plans to eventually teach, in order to be approved for licensure. Check with the Education Department for your particular program. Each state regulates certification rules for teacher licensing. It is the student’s responsibility to monitor the requirements for licensure outside of Iowa and discuss them with his or her advisor as necessary. These rules change often; therefore, for licensure outside Iowa, the best source for information is the state department of education website for your preferred state. See the link on our licensure page. Luther College program completion requirements are:

1. Completion of Bachelor of Arts degree, that includes the acquisition of a core of liberal arts knowledge, including English composition, mathematics, natural sciences, social sciences, and humanities.
2. Achievement of a 2.75 minimum final overall GPA and 2.75 minimum final GPA in all teaching areas—including Education Department coursework (Exceptions include modern languages at 3.00 and mathematics/biology/chemistry at 2.50).
3. Completion of all program requirements in elementary, secondary, or K–12 programs, including successful completion of all required practica.
4. All students must take the required Praxis II tests in both content and pedagogy. See the testing page on the education website for the specific tests required for Luther TEP completers and for further information. These tests may be taken the semester immediately before student teaching, during student teaching, or as soon as possible following student teaching. These tests must be completed and passed before being considered a completer of the TEP.
5. Required by all states: criminal background check, fingerprinting.
6. Successful completion of the advanced portfolio (note: elementary majors must present the professional portfolio as the senior project).
7. Approval of your student teaching practicum by your student teaching supervisor and, when necessary, the Education Department. When there are concerns, the department chair works with the student’s advisor and methods professors to make the final decision.

Elementary Education (K–6)

**Required for a major:** EDUC 185/EDUC 215 (Clinical Experience I in the Schools), EDUC 220, 221, 222, 223, 226, 320, 321, 322, 325, 326, 328, 329, 376, 486, 490 or 493, PAID 450 (Making Decisions for U.S. Schools); ART 228, MUS 227, PE 229; HIST 101 and 126; MATH 123; two lab science courses (one biological science and one physical science). Writing requirement in the major is completed with EDUC 326. Elementary majors must receive a “C” or better in each required content knowledge course.

The elementary major requires an academic endorsement or a special endorsement. If more than one endorsement is selected, please speak with your advisor regarding the length of student teaching required. A ninth semester may be necessary for completion of the program.

At least 76 semester hours (19 course equivalents) must be completed outside of the education (EDUC) discipline.

EDUC 325-EDUC 329 should be taken within one year of student teaching.

Secondary Education Minor (in conjunction with an academic major, grades 5–12)
Requirements for certification in English, foreign language, health, mathematics, science, and social sciences: EDUC 185/EDUC 215 (Clinical Experience I in the Schools), EDUC 220, 221, 252, 352 or 353 (language majors only), EDUC 366, 367, 377, 466; PAID 450 (Making Decisions for U.S. Schools). Students are strongly encouraged, but not yet required, to take the EDUC 382 practicum while student teaching since a practicum in content area reading is required in several states. Students seeking the "Modern Language" endorsement must achieve “low advanced” in the Oral Proficiency Interview (OPI). Students seeking certification in mathematics must earn a C or better in MATH 220, 240, and 365.

Second Teaching Area: In the state of Iowa, students majoring in one subject may take fewer semester hours in another subject and be granted an endorsement to teach that subject. This is not transferable to other states. It only applies to students wishing to teach in the state of Iowa. Please check the Education Department website for specific requirements for second teaching areas.

K–12 Teaching Minors: Art, Physical Education, Health

Required for licensure (in addition to the major in art, physical education, or health): EDUC 185/EDUC 215 (Clinical Experience I in the Schools), EDUC 220, 221, 366, 377, professional semester (EDUC 486); PAID 111D; PAID 450 (Making Decisions for U.S. Schools). Students are strongly encouraged, but not yet required, to take the EDUC 382 practicum while student teaching since a practicum in content area reading is required in several states.

Each major has specific methods requirements: for art: ART 222, EDUC 354 and EDUC 355; for physical education: PE 343, 344, 345, and 346; and for health: EDUC 252, HLTH 343 and 344.

K–12 Teaching Minor: Music

Required coursework: Completion of Luther College general requirements and the music major plus EDUC 185/EDUC 215, EDUC 220, 221, 361, 371, 379, 470; PAID 450 (Making Decisions for U.S. Schools). Students are strongly encouraged, but not yet required, to take the EDUC 382 practicum while student teaching since a practicum in content area is required in several states.

Students who wish to pursue vocal music education must additionally complete EDUC 386, and 387; MUS 351, and choose one from the following: EDUC 384, 385, 388, 390, or 391.

Students who wish to pursue instrumental music education with an orchestral focus must additionally complete EDUC 255, 260, 265, 270, 388 and 391; EDUC 383 or 387; MUS 353.

Students who wish to pursue instrumental music education with a band focus must additionally complete EDUC 255, 260, 265, 270, 384, 385, 390; EDUC 383 or 387; MUS 353.

Students who wish to pursue both orchestral and vocal music education must additionally complete EDUC 255, 260, 265, 270, 383, 386, 387, 388, and 391; MUS 351 and 353. Choosing both areas requires student teaching in a 9th semester.

Students who wish to pursue both band and vocal music education must additionally complete EDUC 255, 260, 265, 270, 383, 384, 385, 386, 387, and 390; MUS 351 and 353. Choosing both areas requires student teaching in a 9th semester.
a. Additional criteria for applying for admission to the teacher education program (teaching minor: K–12 Music): (Admission to the teacher education program is a prerequisite to enrolling in education courses above 300). See also general requirements for admission to the teacher education program.

1. Satisfactory completion of EDUC 232, MUS 121, 121L, and one instrumental methods course (instrumentalists only).
2. Successful completion of piano proficiency or enrollment in MUS 117 during the semester of TEP application.

b. Criteria for admission to the professional semester (student teaching): See also general requirements for admission to the professional semester.

1. Successful completion of piano proficiency. All music education majors must pass the piano proficiency exam in order to obtain final teacher education approval. Students must pass the piano proficiency exam by the end of the semester in which they apply for student teaching.
2. Requirements listed above must be completed by the professional semester. Check the Education Department website for specific dates. If any requirement is incomplete by the professional semester application due date, the student must delay student teaching until the following approval cycle (one semester).

Education Courses

EDUC 185 Clinical Experience I in the Schools

☐ 4 hours
Seminars for first-year students offered each January term.

EDUC 215 Clinical Experience I in the Schools

☐ 4 hours

The clinical experience requires that students work as active and involved observer-aides under teachers in public/private area schools. Concentrated instruction in preparation for these duties plus seminars accompany the experience. Seminars include the following topics: ethics, professionalism, an introduction to program competencies; and dispositions, including reflective practice. Students taking this course in January must complete application materials in the education department by October 1 to secure a placement for January term. Requires sophomore standing. First-year students are to enroll in EDUC 185 (first-year seminar) offered during January term.

EDUC 220 Educational Psychology

☐ 4 hours
✓ Fulfills: Human Behavior—Social Science Methods
✓ Prerequisites: EDUC 185/215, PAID 112D

This course is an introduction to the field of education and to educational psychology. One of the
central concerns of every society, education involves the study of human growth and development, especially in the context of schooling. Students will encounter research into how humans learn, how learning environments are structured, and how underlying social assumptions intersect with learning theories. The course will explore such topics as socialization, teacher/student interaction, social and cognitive learning theories, testing and assessment, and ethics and the school.

EDUC 221 The Diverse and Exceptional Learner

☐ 4 hours
☑ Fulfills: Human Behavior
☒ Prerequisites: EDUC 185/215, PAID 112D

This course introduces students to learner differences as they are related to culture, ethnicity, language, disability, gender, and socioeconomic status. Students will explore how these factors influence individual educational performance, experience and development in the institution of the school. With a major emphasis on human intergroup relations in a pluralistic society, the course will also introduce students to significant legislation, models of service delivery, and instructional modifications.

EDUC 222 Instructional Strategies With Computer Applications: Elementary

☐ 4 hours
☒ Prerequisites: EDUC 185/215, sophomore standing

This course examines the use of behavioral objectives, lesson planning, testing, evaluation, classroom management, instructional techniques, learning theory applications, and instructional media in elementary education. Course objectives are achieved through writing instruction and practice using conventional writing tools and computer applications. Requires sophomore standing.

EDUC 223 Children's Literature

☐ 2 hours
☒ Prerequisites: EDUC 185/215, PAID 112D (or equivalent) and sophomore standing

This course introduces the study of children’s literature including promoting child development through literature and analyses of books in each genre. Requires sophomore standing.

EDUC 226 Introduction to Reading

☐ 4 hours
☒ Prerequisites: EDUC 185/215, EDUC 220, and sophomore standing

Based on a synthesis of research identifying characteristics of highly effective reading teachers, this course focuses on seven pillars of effective reading instruction: teacher knowledge, classroom assessment, evidence-based teaching practices, response to intervention (RTI), motivation and engagement, technology and new literacies, and family & community connections. Special attention is paid to oral language acquisition, phonemic awareness, phonics and word identification, fluency, vocabulary, comprehension and reading assessment.
EDUC 232 Music Education Curriculum and Strategies

2 hours
Prerequisites: MUS 111, 121, or 131

Students will learn the origins of music curriculum, and fundamentals of instructional planning. Student will converse with school music educators, and examine their own experiences as music learners to begin framing their teacher identity. Students will begin their teaching portfolio.

EDUC 240 Home, School, and Community

2 hours
Prerequisites: EDUC 185/215 or sophomore standing

This pre-K to 12 course examines the dynamic relationship between families, school, and the community. Evaluation, legal aspects, and services to preschool students with disabilities including the Individualized Family Service Plan (IFSP) will be explored. The course offers continued focus on collaborative team efforts and the importance of establishing strong links between home, school, and other service providers so the learning experiences of students from preschool through transition to the adult life are maximized.

EDUC 242 Introduction to Learning Disabilities and Behavioral Issues

4 hours
Prerequisites: EDUC 185/215 or sophomore standing

This K-12 introductory course includes a historical perspective to the field of learning disabilities and behavioral disorders. This course covers characteristics and etiology, definitions and identification procedures, treatment and intervention, instructional and behavioral methodologies, impact of the disability throughout the lifespan, and current issues in the field.

EDUC 245 Career/Vocational Assessment and Vocational Planning

2 hours
Prerequisites: EDUC 185/215 or sophomore standing

This K-12 course covers the assessment of career/vocational skills and interests, aspects of the Individuals with Disabilities Education Improvement Act (IDEIA) which specifically address transition, transition meetings, Individualized Education Programs (IEP), community-based instruction, and the school/community services and service providers who would be involved in student transition.

EDUC 246 Classroom Management and Collaboration

4 hours
Prerequisites: EDUC 185/215 or sophomore standing

This K-12 course is designed to help pre-service teachers create supportive and responsive
classrooms. The topics covered include individual behavior plans, applied behavioral strategies, creating collaborative relationships, and implementing positive behavior supports.

EDUC 252 Introduction to Middle and High School 5-12 Methods

2 hours
Prerequisites: EDUC 185/215

An introduction to the general methods of secondary teaching. Such topics as objectives, planning, testing, evaluation, classroom management, instructional techniques, educational technology, media, and the inclusion of special education students in the regular classroom will be considered. Should be taken as close to EDUC 352 as possible. Required for certification in K-12 health and 5-12 secondary education areas. Not required of K-12 art, K-12 physical education, and K-12 music majors.

EDUC 255 Percussion Methods

2 hours

Methods and materials of teaching percussion instruments to elementary and secondary students. Includes knowledge of and proficiency with percussion instruments, pedagogy, materials, assessment and grading for individual and small group studio lessons. Required for instrumental music licensure.

EDUC 260 Brass Methods

2 hours

Methods and materials of teaching brass instruments to elementary and secondary students. Includes knowledge of and proficiency on brass instruments, pedagogy, materials, assessment and grading for individual and small group studio lessons. Required for instrumental music licensure.

EDUC 265 Double Reeds Methods

2 hours

Methods and materials of teaching double reed instruments to elementary and secondary students. Includes knowledge of and proficiency on double reed instruments, pedagogy, materials, assessment and grading for individual and small group studio lessons. Required for instrumental music licensure.

EDUC 270 String Methods

2 hours

Methods and materials of teaching bowed string instruments (violin, viola, cello and double bass) to elementary and secondary students. Includes knowledge of and proficiency on string instruments, pedagogy, materials, assessment and grading for individual and small-group studio lessons. Required for instrumental music licensure.
EDUC 275 Flute, Clarinet and Saxophone Methods

2 hours

Methods and materials of teaching these instruments to elementary and secondary students. Includes knowledge of and proficiency on these instruments, pedagogy, materials, assessment and grading for individual and small group studio lessons. Required for instrumental music licensure.

EDUC 321 Clinical Experience II: Literacy in Elementary/Middle School

1 hour

Prerequisites: Admittance to Teacher Educ Program and EDUC 326

As a part of the elementary/middle school education sequence the student observes and teaches small and large groups of students in a classroom in the area of literacy. During the clinical experience the student develops and teaches a unit that documents the planning, teaching, assessment and reflection of literacy protocols. This course is co-requisite with EDUC 322 and is based in a public or private school for three weeks.

EDUC 322 Clinical Experience II: Mathematics in Elementary/Middle School

1 hour

Prerequisites: Admittance to Teacher Educ Program and EDUC 325

As a part of the elementary education methods sequence the student observes and teaches small and large groups of students in an elementary/middle school classroom. During the clinical experience, the student develops and teaches a unit that documents planning, teaching, assessment and reflection protocols in the area of mathematics. This course is co-requisite with EDUC 321 and is based in a public or private for three weeks.

EDUC 323 Teaching Methods for English Language Learners

4 hours

Prerequisites: Admission to Teacher Educ Program

Basic introduction to historical and contemporary theories and methods of English as a second language instruction with an emphasis on methodologies for teaching reading, writing, listening and pronunciation skills within the context of content areas grounded in academic and social/cultural language goals.

EDUC 324 Assessment for English Language Learners

2 hours

Prerequisites: Admission to Teacher Educ Program

This K-12 course is an introduction to assessment for English language learners including formal and informal tools, interpretation of assessment data, use of data to inform instruction, and the fundamental technical aspects of assessment.
EDUC 325 Elementary Mathematics Methods

4 hours
Prerequisites: Admission to Teacher Educ Program

This course is an introduction to the pedology and curriculum of a NCTM standards-based mathematics program in the elementary/middle school. Using the content strands of statistics/probability, data analysis and number operations, the course includes planning, teaching, assessment, diagnosis and evaluation of student learning in mathematics. This course will present current best-practice, research-based instructional methods in mathematical processes, the use of technology in teaching/student learning and classroom management as it applies to mathematics.

EDUC 326 Elementary Language Arts Methods

4 hours
Prerequisites: Admission to Teacher Educ Program

This course is an introduction to oral and written communication for the twenty-first century, the curriculum and pedagogy of a language arts program based on standards established by the International Reading Association and the National Council of Teachers of English, and the eight components of the language arts in the elementary classroom. It will include integration of the language arts (to include reading/literature, writing/grammar, speaking, viewing, listening and spelling), the use of technology in teaching language arts, and classroom management as it applies to language arts instruction. The course utilizes a comprehensive approach that examines language acquisition and development. It is also the writing-intensive course in the major.

EDUC 328 Elementary Social Studies Methods

2 hours
Prerequisites: EDUC 321, 322, 325, and 326, and admission to Teacher Education Program
Corequisites: EDUC 329

This course is an introduction to the curriculum and pedagogy for social studies instruction based on the National Council of Social Studies Standards. Ten thematic strands frame the instructional planning for elementary and middle level curriculum. Students will develop competencies in specific social studies related skills and become acquainted with current directions and research in elementary social studies including instructional technology. This course is designed to assist pre-service teachers in developing appropriate tools for teaching social studies using an interdisciplinary approach.

EDUC 329 Elementary Science Methods

2 hours
Prerequisites: EDUC 321, 322, 325, and 326, and admission to Teacher Education Program

This course is an introduction to the curriculum and pedagogy of a standards-based science program in the elementary school. This course includes hands-on opportunities with the activities that support the inquiry of science as practiced in the elementary school classroom.
EDUC 330 Introduction to Early Childhood Education

4 hours

Prerequisites: Admission to Teacher Educ Program and EDUC 222. It is recommended that the student has completed or is taking EDUC 226 concurrently.

This course is an introduction to early childhood education: the history of the field; educational philosophies for the pre-kindergarten/kindergarten learner; and the developmentally appropriate curriculum in language arts, sciences, social sciences, and mathematics. Also included are assessment, and parent involvement programs. Recommended for all elementary education majors and required for all students for certification in kindergarten and early childhood education. It is recommended that the student has completed, or is taking, EDUC 226 concurrently.

EDUC 331 Early Childhood Education II

2 hours

Prerequisites: Admission to Teacher Educ Program and EDUC 330

A review of the current research on curricular models, materials, and methodology in early childhood education. Particular attention given to research translation and implementation for working with infants and toddlers.

EDUC 332 The Middle School Learner

4 hours

Prerequisites: Admission to Teacher Educ Program

Focuses on the growth and development of the middle school aged student, specifically addressing emotional, physical, social, and cognitive developmental characteristics. A particular emphasis placed on how these factors relate to success in the school setting and how teachers accomodate the learning characteristics of the middle school student. Includes a required practicum in the schools.

EDUC 333 Middle School Methods

4 hours

Prerequisites: Admission to Teacher Educ Program and EDUC 332

This course explores the cognitive and social development of early adolescents and how those lead to unique organizational structures in the middle grades. Methods of teaching designed to meet the diverse needs of middle school students are emphasized. Includes a required practicum in the schools.

EDUC 344 Methods and Strategies for Teaching Students With Learning Disabilities and Behavioral Issues

4 hours

Prerequisites: EDUC 242, 366 (or 321 and 322), Admission to Teacher Educ Program, and junior standing
This course provides an exploration of various methods, techniques, and materials that are used in the education of students who have learning disabilities and behavioral issues in a variety of different settings including the general education classroom. Methods and materials for instruction in mathematics, reading, written language, spoken language, social skills, listening skills, organizational skills, and skills to enhance life/career choices will be addressed. Must be taken during the junior-level methods course sequence.

EDUC 347 Assessment in Special and Remedial Education

- 2 hours
- Prerequisites: Admission to Teacher Educ Program and junior standing

This K-12 course is an introduction to the assessment process using specific protocols for formal assessment and instructional planning with a significant emphasis on literacy skill evaluation. The course covers basic technical aspects of assessment, special education legal guidelines, tiered interventions, ethics in assessment, and the interpretation of assessment data.

EDUC 352 Advanced Teaching Methods: Secondary

- 2 hours
- Prerequisites: Admission to Teacher Educ Program and EDUC 252

Advanced study of secondary teaching methods for students seeking licensure in art, English, mathematics, science and social science. Study of special methods used to teach the individual’s major subject area. Teaching methods and professional participation in one’s academic discipline will be covered, as well as inclusion of special education students in a regular classroom and applications of technology. Must be taken prior to professional semester. Required for certification in art, English, mathematics, science, and social sciences. EDUC 352 for art majors includes 40 practicum hours. Not required of health, physical education and music majors.

EDUC 353 Advanced Methods - World Languages

- 2, 4 hours
- Prerequisites: Admission to Teacher Educ Program

Advanced study of K-12 teaching methods for students seeking licensure in foreign languages. Teaching methods and professional participation in the language classroom will be covered, as well as inclusion of special education students in a regular classroom and applications of technology. World language methods prepares teachers for language instruction in kindergarten through high-school classrooms. Must be taken prior to professional semester.

EDUC 354 Elementary School Art Content, Methods, and Assessment

- 2 hours
- Prerequisites: ART 222, EDUC 185 or 215, and Admittance to Teacher Educ Program

Required for students pursuing K-12 Art Education certification or K-8 Art Endorsement, this course builds on theories introduced in Art 222. Topics covered will include the teaching techniques, assessment strategies, and the development of curriculum as modeled by master elementary art teachers according to NAEA standards. Emphasis will be placed on the exploration
of age-appropriate materials and on differentiation strategies to meet the needs of diverse learners
in the classroom. The included practicum lab experience allows students to apply the theories and
strategies being explored with elementary-aged students.

EDUC 361 Clinical Exp. in Mus Educ Clinical Experience in Music
Education

2 hours
Prerequisites: Admission to Teacher Educ Program and MUS 250

This 100 hour clinical practicum is taken as part of the methods practicum sequence. Students
work under the direction of a cooperating teacher and plan, teach, rehearse, and reflect on the
teaching of music in a vocal/orchestra/band program at the elementary, middle/high school level.
Course objectives are formulated from the core competencies of the teacher education program at
Luther Colelge.

EDUC 366 Advanced Methods Clinical Placement

2 hours
Prerequisites: Admission to the Teacher Educ Program and EDUC 352, EDUC 363, PE 343, or
HLTH 343

As a part of the secondary education methods course sequence, the student observes and teaches
small and large groups of students in a public/private school classroom in the discipline. During
the three-week practicum, the student develops and teaches a unit to document planning,
teaching, assessment and reflection protocols. Note: taken during the January Term, this course
would meet the January II general graduation requirement, and if placed in a middle school
classroom would meet the clinical requirement for the middle school endorsement.

EDUC 367 Advanced Teaching Methods II

2 hours
Prerequisites: Admission to Teacher Educ Program and EDUC 366

Continued study of advanced teaching methods for students seeking licensure in English, K-12
world languages, mathematics, science, social science, and health/physical education with special
emphasis on analysis of best practice, methodological research and curriculum design within the
respective content area. This course builds on the content of EDUC 352 and the clinical
appointment in EDUC 366 and must be taken prior to EDUC 486.

EDUC 371 Elementary General Music Methods And Lab

4 hours
Prerequisites: Admission to the Teacher Education Program.

Survey of the K-5 general music program. Study of the music student, content, materials, and
methods of instruction. Includes Orff and Kodaly approaches, technology, and classroom
management. This course provides practical experience in elementary general music methods
through a teaching partnership with area schools. Required of all music education minors.
EDUC 372 Middle School General Music Methods

- 2 hours
- Prerequisites: Admission to the Teacher Education Program

Study of the middle school learner and the content, materials, and methods of instruction in the middle school general music classroom. Includes technology and alternative ensembles as well as classroom management. Required of vocal music education minors only.

EDUC 376 Advanced Literacy: Assessment and Instructional Design for At Risk Readers

- 2 hours
- Prerequisites: Admission to Teacher Educ Program and EDUC 226

This course will present constructs and protocols for the assessment, diagnosis and evaluation of student learning and literacy skills in the elementary/middle school classroom. The course explores the developmental nature of the exceptional reader, including underachieving and gifted students. It also examines: current research on learner characteristics, instructional approaches and best-practices in classroom assessment of reading skills, both formal and informal.

EDUC 377 Content Area Reading: Secondary/K-12 Art & PE

- 2 hours
- Prerequisites: Acceptance into the Teacher Education Program.

Introduction to the teaching of reading in content areas for secondary and K-12 HPE and Art teachers; procedures used in recognizing content area reading problems, improving reading by developing literacy strategies in reading, writing, speaking, and listening. Required for all students seeking secondary school licensure and students seeking health certification. Students are strongly encouraged, but not yet required, to take a reading practicum while student teaching; a practicum in content area is required in several states.

EDUC 378 Content Area Reading, Elementary/Middle School

- 2 hours
- Prerequisites: Admission to Teacher Educ Program and EDUC 226

Introduction to the teaching of reading in content areas for elementary and middle school; assessment in content area reading; improving content area literacy by developing strategies in reading, writing, speaking, and listening. Required for elementary reading endorsement, middle school specialist, and ESL endorsement. Requires acceptance into the Teacher Education Program.

EDUC 379 Content Area Reading: K-12 Music

- 2 hours
- Prerequisites: Acceptance in the Teacher Education Program.

Introduction to the teaching of reading in content areas for K-12 teachers in music: assessment in
content area reading; improving content area literacy by developing strategies in reading, writing, speaking, and listening. Required for all Education K-12 Music Education minors. Requires acceptance into the Teacher Education Program. Students are strongly encouraged, but not yet required, to take the reading practicum while student teaching; a practicum in content area reading is required in several states.

EDUC 382 Practicum: Content Area Reading

☐ 1 hour
☐ Prerequisites: EDUC 377, 378, or 379.

This course is 1-semester hour practicum component that is mandatory for elementary education majors. This is a requirement in some other states for all teachers. Check the state's licensure website. If you are an elementary education major pursuing a reading endorsement, you will student teach in a reading classroom and will not take the practicum component. Students are strongly encouraged, but not yet required, to take the practicum while student teaching; a practicum in content area is required in several states.

EDUC 383 Middle School Choral Methods

☐ 2 hours
☐ Prerequisites: Admission to the Teacher Education Program

Study of the middle school learner in the choral classroom. Students learn choral literature, pedagogy with special emphasis on the changing voice, rehearsal planning, music literacy strategies, assessment, and rehearsal management techniques.

EDUC 384 Middle and High School Marching Band Methods

☐ 2 hours
☐ Prerequisites: Admission to the Teacher Education Program.

This course examines the high school and middle school marching band program. Included are studies in marching philosophies, program organization, administration and student recruitment and retention. Students experience marching band instrumentation, unique marching equipment, field topography, terminology, marching drill charting tools and basic drill drawing. This class included a practicum with a local high school marching band.

EDUC 385 Middle and High School Jazz Methods

☐ 2 hours
☐ Prerequisites: Admission to the Teacher Education Program.

This course explores the purposes of jazz education, a history of jazz and jazz education, types of jazz ensembles, instrumentations, recruitment and audition methods for the jazz program. Students will learn fundamentals of improvisation and to play the instruments of the rhythm section.
EDUC 386 Vocal Pedagogy and Methods

- 2 hours
- Prerequisites: Admission to the Teacher Education Program

Students learn physiology and pedagogy of the developing voice. Included in the curricula are planning, assessment, literature, music literacy, and grading. Students teach private and in-class voice lessons to secondary students.

EDUC 387 High School Choral Methods

- 2 hours
- Prerequisites: Admission to Teacher Education Program and EDUC 361

Students learn choral literature, pedagogy, rehearsal techniques, rehearsal planning, music literacy strategies, assessment and grading, rehearsal management, and administration of a high school choral program.

EDUC 388 Beginning and Middle School Orchestra Methods

- 2 hours
- Prerequisites: Admission to the Teacher Education Program

A study of the organization, direction, and management of the beginning and middle school orchestra program. The course includes the curricula, pedagogy and assessment of the beginning and middle level school string program, instrument repair/maintenance, arranging for school orchestra, teaching string instruments, program organization, direction, and business management of the orchestra program. Laboratory hours include participation with area school orchestras.

EDUC 390 Middle School and High School Concert Band Methods

- 2 hours
- Prerequisites: Admission to the Teacher Education Program

This course explores formal wind ensembles including types, styles and instrumentation. Instrument transposition, maintenance and repair are studied as well as traditional set up, seating arrangements and ensemble voicings. Middle and high school band literature are studied, rehearsed and conducted with Luther ensembles.

EDUC 391 High School Orchestra Methods

- 2 hours
- Prerequisites: Admission to the Teacher Education Program

A study of the organization, direction, and management of the orchestra program in public schools. The course includes the curricula, pedagogy and assessment of the high school string program, instrument repair/maintenance, arranging for school orchestra, teaching string instruments, program organization, direction, and business management of the orchestra program. Laboratory hours include participation with area school orchestras.
EDUC 470 Music Education Senior Capstone: Administration of School Music Programs

.ObjectId(3717949943869214854)

2 hours

Prerequisites: Admission to Teacher Education Program and EDUC 361

A study of the organization, direction and management of the school music program. This course includes business management aspects of a school music job from budgeting to creating handbooks, recruiting, publicity, and competitions to communicating with parents, colleagues and principals.

EDUC 486 Teaching Practicum

 ObjectId(3717949943869214854)

2, 12 hours

Prerequisites: Admission to the Teacher Education Program.

Observation and teaching in an area schools. Student teaching experiences are offered in each of the following areas: elementary education, secondary education, and K-12 student teaching in art, music, and physical education. Those who do 18 weeks of EDUC 486 to meet the Wisconsin certification and additional licensure endorsements will register for 2 additional credits during January term.

EDUC 490 Senior Project

 ObjectId(3717949943869214854)

1 hour

Prerequisites: Admission to the Teacher Educ Program
The English major at Luther College explores the world through works that open the mind and heart, engages in complex analysis and critical thinking, and seeks beauty and eloquence in writing and speech. English majors study the range of human experience in works of English literature from its medieval beginnings to the present, in literary traditions from around the world, and in a range of genres from poetry and drama to novels, film, and creative non-fiction.

Students choose one of three tracks in the major: literature, writing, or teacher education. Enrollments in English courses are kept small to allow professors and students to get to know each other in conversation and to allow professors to pay close attention to the development of students' writing.

The English major at Luther College develops the student in the highly valuable and transferable skills of close reading, critical thinking, and clear writing. Typical careers for English majors at Luther are in writing, editing, marketing, public relations, journalism, teaching, law, librarianship, arts administration, non-profit work, and ministry.

Prerequisites: First-year students may enroll in courses numbered ENG 110, ENG 114, or ENG 130 in their first semester and courses numbered ENG 139, 147, 185, 230, 239, 240, 245, 247, 251 after they have completed PAID 111D (beginning in January); students must have completed PAID 111D and 112D (or transfer equivalents), to enroll in courses numbered ENG 210, 211, 212, 213, 231, 260, 261, ENG 312-ENG 356, and junior status to enroll in courses numbered 361 and above. Students are encouraged to complete ENG 230 before enrolling in courses numbered ENG 352 and above. The full range of English courses is open to students of all majors.

Required for a major:

Plan I. ENG 230, 260 or 261, 485; one course from ENG 251, 352, 353, 354; one course from ENG 361, 362, 363, 364; one course from ENG 365, 366, 367, 368; and three additional courses (one of which may be a foreign language literature course when the literature is read in its original language, LING 131, or ENG 380 when completed for four credits). Writing requirement completed with ENG 230. Also see correlative requirement for the major.

Plan II (writing emphasis). Same major requirements as in Plan I, but includes at least three of the following courses: ENG 210, 211, 212, 213, 312, or 314. Writing internships (ENG 380) are available and are encouraged, but they do not count as one of the three writing courses required for the Plan II major. Students who have completed the appropriate course work may write an extensive work of poetry, fiction, or nonfiction as their senior project. Writing requirement completed with ENG 230. Also see correlative requirement for the major.

Plan III (teaching). Same major requirements as in Plan I, except that the electives must be ENG 314, 334, and LING 131. Writing requirement completed with ENG 230. Also see correlative requirement for the major, and education department for secondary education minor requirements.
Correlative requirement for all three of the major plans: Successful completion of at least one foreign language course at the intermediate level or above (i.e. 201 intermediate level or above); or foreign language proficiency as described in the all-college foreign language requirement (option D).

Required for a minor: ENG 230; ENG 260 or 261; one of ENG 210, 211, 212, 213, 312, 314, 361, 362, 363, 364, 365, 366, 367, or ENG 368; one of ENG 251, 352, 353, or ENG 354; one 3–4 hour elective.

Required for a writing minor: Three courses from ENG 210, 211, 212, 213, 312, or ENG 314; one English department course in literature; one 4 hour elective in the department. A student with an English major may not also earn a writing minor.

Required for a journalism minor: See requirements listed under Journalism in the Curriculum section of the catalog.

Required for a second teaching area: See Education department for specific requirements. The second teaching area license is offered only in the state of Iowa.

Preparation for graduate school: Students considering graduate school in English may wish to take an additional seminar and/or additional period courses in American or English literature, or ENG 314. They should also consider a 4-credit senior project with an emphasis on criticism or theory.

English Courses

ENG 110 Introduction to College Writing

2 hours

An introductory English course designed to help students become more fluent, confident, and effective writers and readers. Focus on strengthening skills in writing college-level essays, including identification of surface errors. Frequent writing, reading, and individual conferences. Hours do not count toward an English major or minor. Students may not earn credit for both ENG 110 and ENG 114.

ENG 114 Introduction to U.S. Academic Writing

2, 4 hours

This course helps students become fluent, confident, and effective writers and readers in U.S. academic culture. It strengthens skills in writing college-level essays (including thesis-driven, analytic essays), in responsible use of outside sources, and in making surface corrections and refinements. Some instruction takes place in individual conferences. Students will usually take this course concurrently with PAID 111. Student may not earn credit for both ENG 110 and ENG 114.

ENG 130 Literary Ventures

4 hours

Fulfills: Human Expression—Primary Texts
An introductory literature course, with specific focus and readings announced each semester. This course is both an introduction to the pleasures of reading and interpretation and also an opportunity for student writing in a range of analytic and creative forms. Open to all students in all majors. Students may enroll in more than one version of the course. Sample topics: Caribbean Women Writers, Literature of the Apocalypse, Multiple Hamlets, Poems for Life.

ENG 147 Literature of the African Peoples

☐ 4 hours
☑ Fulfills: Human Expression—Primary Texts, Intercultural, Historical
☐ Prerequisites: PAID 111 or transfer equivalent

Modern African writers are some of the most dynamic and innovative writers as they draw from and respond to different literary traditions, such as their own oral and written traditions, as well as European models. This course serves as an introduction to the various themes and styles of written literature of the 20th century. Central to discussion will be an analysis of gender within various African cultural contexts. Understanding constructions of masculinity and femininity, dominant female and male roles in society, and the ways in which the works challenge traditional norms of gender will be priorities within applied theoretical approaches. (Same as AFRS 147 and WGST 147)

ENG 210 Effective Writing

☐ 4 hours
☑ Fulfills: Human Expression
☐ Prerequisites: PAID 111, 112 or transfer equivalents

A writing course for students in all disciplines. The course includes practice and instruction in writing for a variety of audiences, emphasizing revising and responding to others' writing. Students discuss well-crafted prose essays that include effective argument and clear language and organization. This course cannot be taken concurrently with PAID 111 or 112.

ENG 211 Writing for Media

☐ 4 hours
☑ Fulfills: Human Expression
☐ Prerequisites: PAID 111, 112 or transfer equivalents

A comprehensive course in news writing, reporting, and writing for media. Focus on the issues and skills central to journalism and professional writing for various media. Readings and examples from newspapers, on-line and print magazines, and electronic journalism.

ENG 212 Creative Writing: Poetry and Fiction I

☐ 4 hours
☑ Fulfills: Human Expression
☐ Prerequisites: PAID 111, 112 or transfer equivalents

An introductory course in the writing of poems and stories that explore lived and imagined experience. Writing will include experiments in each genre and in-class exercises in craft inspired by a variety of readings in contemporary poetry and fiction. Student work will be discussed in a workshop format.
ENG 213 Creative Writing: Nonfiction

- 4 hours
- ✔ Fulfills: Human Expression
- ✗ Prerequisites: PAID 111, 112 or transfer equivalents

A reading and writing course in the art of the personal essay. Reading will survey the genre, examining essays from a variety of periods and kinds. Writing will include some larger pieces and attention to matters of craft such as voice, tone, and patterns of development, which will help students cultivate a personal style.

ENG 230 The Writer's Voice

- 4 hours
- ✔ Fulfills: Human Expression—Primary Texts
- ✗ Prerequisites: PAID 111 or transfer equivalent

When writers write, they sing, whisper, and shout. This course, an introduction to the English major, emphasizes literature and writing as forms of personal and cultural expression. Our central literary focus is on poetry, but may include fiction, drama, or non-fiction. The course also gives extended attention to student writing as a performative act, conscious of voice, audience, and purpose.

ENG 231 Film

- 4 hours
- ✔ Fulfills: Human Expression—Primary Texts
- ✗ Prerequisites: PAID 111, 112 or transfer equivalent

Study of the varieties of film experience from documentaries to feature-length films, American and foreign. Practice in film analysis and criticism of current films based upon viewing, discussing, and writing about films. Emphasis upon acquiring knowledge and appreciation of the techniques by which filmmakers achieve their effects, rather than upon systematic study of film history.

ENG 240 Africana Women's Writing

- 4 hours
- ✔ Fulfills: Human Expression—Primary Texts, Intercultural
- ✗ Prerequisites: PAID 111 or transfer equivalent

A study of writing by selected Africana women writers from Africa, the Caribbean, the United States and elsewhere in the African diaspora. Topics may vary by geographic region or theme. (Same as Afr 240, WGST 240)

ENG 245 Literature By Women

- 4 hours
A study of how women writers from different historical periods use poems, stories, essays, and plays to address gender issues in the private and public world. The course looks at how literature both presents and critiques culture and its construction of gender, as well as how it offers new visions and choices for women and men. Readings include such writers as Mary Wollstonecraft, Charlotte Bronte, Emily Dickinson, Toni Morrison, Gloria Anzaldua, and Octavia Butler. (Same as WGST 245)

ENG 247 Literature and Ecology

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: PAID 111 or transfer equivalent

What kinds of stories help us confront, ignore, deny, or re-imagine the ecological challenges we face? How do we use narratives and poetry to perceive and imagine ecosystems? And why do we think things like mountains, wind turbines, fjords, limestone, bonobos, the influenza virus, or snow-globes are beautiful or ugly, natural or unnatural? This course explores how literature and other cultural texts shape the ways we think about and act in the biophysical world and the systems that comprise it. Readings will vary but may come from traditions of nature writing, explorations of place, space, and time; connections between religion and ecology; relationships linking literature and science; and intersections of ecology and social issues like ability, class, gender, and race.

ENG 251 African-American Literature

- 4 hours
- Fulfills: Human Expression—Primary Texts, Intercultural
- Prerequisites: PAID 111 or equivalent

A survey of African-American literature with special attention to the intersection of race, class, and gender as writers engage with the struggle to achieve the democratic promises of freedom, justice and equality. Primary emphasis will be on literature written since 1920 when the Harlem Renaissance began. Includes authors such as Frederick Douglass, Harriet Jacobs, Langston Hughes, Richard Wright, Zora Neale Hurston, Ralph Ellison, James Baldwin, Alice Walker, and Toni Morrison. (Same as AFRS 251, WGST 251)

ENG 260 Shakespeare

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: PAID 111, 112 or transfer equivalents

For four centuries Shakespeare has been celebrated as the greatest writer in English. This course will help students more fully understand the power of his plays, both as literature for reading and scripts for performance. Reading plays in each major type (comedies, tragedies, and histories; typically seven to eight plays), we will explore such topics as language, moral vision, gender, politics, and historical context. Students will have the opportunity to explore their interpretations in writing and by staging a scene.
ENG 261 Shakespeare Performed

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: PAID 111, 112 or transfer equivalents

The study of approximately five representative Shakespeare plays, with special emphasis on the close analysis and public performance of one play. All students will do analytical writing and will be involved in some aspect of the performance. ENG 260 and 261 have common goals and both fulfill the departmental "Shakespeare" requirement, but because of the two courses' differing emphases, students may earn credit for both courses. Although students with previous experience in Shakespeare or acting are welcomed, the course is open to all students sophomore and above.

ENG 262 Tolkien and Lewis in Context

- 4 hours
- Fulfills: Human Expression—Primary Texts, Intercultural
- Prerequisites: PAID 111, 112 or transfer equivalents

J.R.R. Tolkien and C.S. Lewis, two of the most popular English writers of the 20th century, lived strangely parallel lives, and worked together to create mythologies of places where the sacred is threatened by the spread of evil. Our travels will follow the lives of these two writers from childhoods in Northern Ireland and Warwickshire, to England's national center of London, to the battlefields of France, and to the universities they loved (Oxford and Cambridge) to see how the ideas of countryside, mechanization, disenchantment and religion, heroism, and humanity that figure in their work have their roots in the life experiences of each author.

ENG 312 Creative Writing: Poetry & Fiction II

- 4 hours
- Fulfills: Human Expression
- Prerequisites: PAID 111, 112 or transfer equivalents and ENG 212.

An advanced-level course in the writing of poems and stories for students dedicated to making imaginative, emotional, and technical discoveries in the practice of their craft. Readings in contemporary poetry and fiction, as well as in-class exercises and student workshops.

ENG 314 Rhetoric: History, Theory, Practice

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: PAID 111, 112 or transfer equivalents

A study of the origin and development of rhetoric. Readings in rhetorical theory and case studies of oral and written rhetorical discourse with an emphasis on written composition. Extensive analytical and persuasive writing.

ENG 320 Contemporary Literature

- 4 hours
A study of significant works written since 1945, predominantly by British and/or American writers, in both poetry and prose. Readings trace the recent evolution and refinement of literary techniques and themes, with emphasis on the variety of aesthetic responses to contemporary culture and thought.

ENG 334 Young Adult Literature

4 hours

Fulfills: Human Expression—Primary Texts
Prerequisites: PAID 111, 112 or transfer equivalents

Study of literature for young adults (ages 12-18), with emphasis on reading of representative fiction, creative nonfiction, and poetry. Course also includes history of the genre, interpretive approaches to texts, resources, and materials for teaching. Designed for teaching majors; useful for others working with young people.

ENG 352 American Frontiers: American Literature To 1860

4 hours

Fulfills: Historical, Human Expression—Primary Texts
Prerequisites: PAID 111, 112 or transfer equivalents

American writers since the very beginnings have inscribed the natural landscape and crossed frontiers of the human heart and soul. We will explore these frontiers and the authors who transcend boundaries into uncharted space in stories of Spanish conquistadors and Native Americans; the narratives of English colonists, African-American slaves, and explorers Lewis and Clark; nature essays of Emerson and Thoreau, illustrated by the Hudson Valley School; poetry by Bradstreet, Wheatley, Whitman, and Dickinson; fiction by Hawthorne, Melville, and Beecher Stowe. Offered alternate years.

ENG 353 American Literature 1860 to the Present

4 hours

Fulfills: Human Expression—Primary Texts
Prerequisites: PAID 111, 112 or transfer equivalents

An invitation to explore currents and crosscurrents, traditions and individual talents, movements and masterpieces from the Civil War era to the present. Works will be chosen from a variety of genres, and course units may emphasize particular regions, periods, or themes, such as Southern voices (Faulkner, Hurston, Welty), the era of World War I (Hemingway, Cummings, Dos Passos), and feminist fiction and poetry (Kingston, Walker, Sexton). Offered alternate years.

ENG 354 American Novel

4 hours

Fulfills: Human Expression—Primary Texts
Prerequisites: PAID 111, 112 or transfer equivalents
A study of major American novelists from the mid-19th century to the present, such as Melville, Stowe, Twain, Cather, Faulkner, and Morrison. Some attention is given to theoretical approaches to American literature.

ENG 361 Chaucer and Medieval Literature

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: Junior standing

From heroes fighting monsters to Arthurian romances, medieval literature is best known for its stories of chivalry. Less well-known but equally wonderful are the comic tales of sex in trees and greedy friars dividing a fart. We will read Beowulf, narrative poems about love and adventure by Marie de France, the tale of Sir Gawain and the Green Knight, and much more, with in-depth attention to Chaucer’s Canterbury Tales. (Same as WGST 361)

ENG 362 Renaissance Literature

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: Junior standing

English literature came into its own during the Renaissance, as Sidney, Spenser, and Raleigh courted Queen Elizabeth’s favor through love poetry, and sonnets were all the vogue. The period also produced the counter-cultural poetry of Donne and Marvell, and profound religious lyrics of Herbert, and the golden age of English drama with the plays of Marlowe, Shakespeare, and Jonson. The course will explore this rich body of literature through both literary and cultural analysis, with options for a range of student writing. Offered alternate years.

ENG 363 Milton

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: Junior standing

How could angels in Heaven and humans in Paradise rebel against the God who created the world and made it good? Is it better to rule in Hell than serve in heaven? What would it be like to live in Edenic bliss, anyway? John Milton sought to answer those questions in Paradise Lost. Second only to Shakespeare in its influence on later writers, Milton’s work probes religion, politics, and gender in a remarkable melding of classical and Christian traditions. We will read this epic, as well as other poems and prose in which Milton engaged the tumultuous events of the English civil wars and its aftermath.

ENG 364 Restoration and Eighteenth-Century British Literature

- 4 hours
- Fulfills: Historical, Human Expression—Primary Texts
- Prerequisites: Junior standing

This course explores the range and variety of British literature written after the restoration of the
British monarchy in 1660, and before the revolution in France in 1789. Literary artists in this era produced innovative writing in several new genres, including journalism, travel writing, biography, satire, and the novel. The literature of the 18th century was also a crucible for modern understandings of gender, race, and class identities. In this course, we explore these literary developments within their historical contexts, aiming for a broad coverage of canonical and not-so-canonical texts. Representative authors may include Dryden, Congreve, Behn, Swift, Pope, Johnson, Fielding, Burney, and Haywood. Offered alternate years.

ENG 365 British Romanticism: Revolution, Nature, And the Imagination

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: Junior standing

The era of the American and French revolutions profoundly affected England, inspiring cultural debates about slavery and women's roles, as well as new ways of looking at the natural world, human perception, imaginative creation, and the Gothic past. We will study the cultural milieu and read such writers as Blake, Equiano, Burke, Wollstonecraft, Austen, William and Dorothy Wordsworth, Coleridge, Percy and Mary Shelley, Byron, and Keats. Offered alternate years.

ENG 366 The Victorians

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: Junior standing

The Victorians experienced cataclysmic changes in science, economics and industry, national identity, gender roles, and faith. Novelists wrestled with these changes, chronicling the broad social world and the schisms that divided it. Poets of the period registered extremes of doubt, or returned to an idealized past, or looked forward to developments like the liberation of women. Representative authors may include the Brontes, Dickens, George Eliot, Hardy, Tennyson, and Barrett Browning. Offered alternate years.

ENG 367 Twentieth-Century British Literature

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: Junior standing

Many Europeans braced themselves for the start of the 20th century, firm in their belief that it might augur the end of the world. For thousands of soldiers slaughtered during the "war to end all wars," it was. Between World War I and II, British writers and Irish nationalists transformed the literary landscape with a radically new approach to language, form, and style. Women writers explored new freedoms in sexuality and in their literary subjects. In the second half of the century, novelists and poets confronted the legacy of economic reform, urbanism, and the remnants of British colonialism around the globe. Readings might include writers such as Yeats, T.S. Eliot, Woolf, Forster, Katherine Mansfield, Jean Rhys, Ted Hughes, and Graham Greene. Offered alternate years.
In Northanger Abbey, Jane Austen’s heroine remarks, “The person, be it gentleman or lady, who has not pleasure in a good novel, must be intolerably stupid.” In this course, we defy stupidity by enjoying a variety of good British novels, beginning with the eighteenth-century, and arriving, after many pages and multiple plot twists, in the modern era. We consider the history of the genre, the social and political context of the texts, and the development of the British literary tradition. Representative authors may include Burney, Fielding, Austen, Dickens, George Eliot, Thackeray, Conrad, and Woolf.

An intensive, collaborative study of a selected period, movement, or writers, emphasizing the methods and assumptions of literary analysis and selected critical theories. The course format is student-initiated discussion and presentation, with significant independent projects and an oral presentation. Intended primarily for seniors. Students - especially those preparing for graduate school - are encouraged to complete more than one seminar.

Together with the required Senior Seminar, the Senior Project is the English major’s culminating experience. Projects build upon students’ previous experience with scholarly research, creative writing, or the secondary education program. Students wishing to do a creative writing project are expected to complete the requirements for the English Writing Emphasis major. Ideally, these students would have completed the Writing Emphasis requirements and would have had coursework and sustained writing experience in the genre of their project. At a minimum, all students wishing to do a creative writing project must be completing their third writing course during the term in which a senior project will be submitted; students intending a creative nonfiction project must have completed ENG 210, 211, or 213; students intending a poetry or fiction project must have completed ENG 212, and must have completed or be completing ENG 312 during the term in which the senior project will be submitted. Permission to register for a Senior Project will be given after submission of the application form available on the English department website. The application form also outlines the required oral presentation component. Registration ought to be completed during the semester preceding the semester in which the project is begun. The English department does not require students with more than one major to complete an English Senior Project.
The interdisciplinary major in environmental studies is designed to provide students with fundamental resources for understanding the complex and dynamic relations between humans and the natural world. The major integrates perspectives from the social sciences, the natural sciences, and humanities to develop the conceptual and analytic skills required for a balanced approach to environmental issues. Students completing a major in environmental studies also gain depth of knowledge in one specific area of study through a concentration.

**Required for a major:** Twelve courses in approved environmental studies courses including five core courses, a four or five course concentration in one area, and two or three elective courses from an approved list. Students pursuing the major must choose one of the three options for a concentration listed below. Six of the 12 courses must be at the 200 level or above. No more than three courses counting for another major or minor may be applied to the environmental studies major. Writing requirement completed with ENVS 485.

**Core Courses:** ENVS 134, 485; PHIL 140, BIO 151, POLS 258.

**Concentrations**

1. **Environmental Policy:** ECON 255; POLS 355; two of SOC 356, PHIL 230, HIST 291, REL 243, PAID 450: Ethics, Energy and Climate Policy, PAID 450: Food and the Environment.

2. **Environmental Science:** BIO 256; one of the following: CHEM 151 and 152 or CHEM 201; two courses (8 hours) from a single discipline of which at least 4 hours must be at the 300-level from the following: ENVS 220, 230, 310, 320, 330, 389 (if completed through the Earth and Environment in Italy Semester), BIO 246, 250, 251, 252, 253, 258, 354, 365, CHEM 202, 241, 344, 345.

3. **Individualized:** Students develop a proposed course of study for their concentration in consultation with an environmental studies faculty member. This proposal must explain the four courses to be taken for the concentration, how they link together, and the rationale behind the proposal. Such proposals are typically completed during the spring semester of the sophomore year and must be submitted to the Environmental Studies Steering Committee no later than Dec. 1 of the junior year.

**Required for a minor:** Five courses in approved environmental studies courses including ENVS 134 or BIO 151, PHIL 140 or POLS 258, and ENVS 485. No more than two courses counting for another major or minor may be applied to the environmental studies minor.

In addition to all environmental studies courses serving as electives for the major or minor, courses from other departments approved for use as major or minor electives for environmental studies include:
• ANTH 101, 102, or ANTH 104 Cultural or Biological Anthropology or Archaeology
• ANTH 203 Environmental Anthropology
• ANTH 221/AFRS 221 Anthropology in East Africa: Culture Change Among the Maasai
• ANTH 301 Experimental Archaeology
• ANTH 302 Field Methods in Archaeology
• ART 115 Scandinavian Fine Handcrafts
• BIO 112 Insects, Humans, and the Environment
• BIO 140 Introduction to Ecology of the Southwest
• BIO 149 Introduction to Winter Biology
• BIO 151 Principles of Biology: Ecology, Evolution, and Biodiversity
• BIO 152 Principles of Biology: Molecules, Cells, and Genes
• BIO 240 Ecology of the Southwest
• BIO 243 Microbiology
• BIO 245 Ecology of Ecuador
• BIO 246 Ornithology
• BIO 247 Subtropical and Marine Biology
• BIO 248 Genetics
• BIO 249 Winter Biology
• BIO 250 Restoration and Conservation Biology
• BIO 251 Entomology
• BIO 252 General Botany
• BIO 253 Invertebrate Zoology
• BIO 255 Physiology
• BIO 256 Biostatistics
• BIO 258 Vertebrate Natural History
• BIO 354 Evolutionary Biology
• BIO 365 General Ecology
• CHEM 114 The Environment: A Chemical Perspective
• CHEM 151, 152 General Chemical Principles I & II
• CHEM 201 Advanced Chemical Principles
• CHEM 202 Analytical Chemistry
• CHEM 241 Organic Chemistry I
• CHEM 344 Instrumental Methods: Spectroscopic Techniques
• CHEM 345 Instrumental Methods: Separations and Electrochemistry
• DAN 105 Movements Fundamentals I: Practices of Alignment and Function
• ECON 255 Environmental Economics
• ENG 247: Literature and Ecology
• HIST 291 Environmental History
• INTS 302 The Challenge of Global Climate Change
• PAID 450 Food and the Environment
• PAID 450 Ethics, Energy and Climate Policy
• PAID 450 Ethics and Technology
• PAID 450 Green Germany: Advanced Models of Sustainability
• PAID 450 Here on Earth: Vocation in a Sustainable Global Community
• PAID 450 Impacts of Mining and Tourism on Indigenous Peoples and the Environment in N. Chile
• PAID 450 People and Parks: Pastoralism and Conservation in East Africa
• PHIL 120 Ethics
• PHIL 140 Environmental Philosophy
• PHIL 230 Philosophy of Science
• POLS 258 Environmental Politics and Policy
• POLS 355 Constitutional Law
• REL 243 Environmental Ethics
• SCI 123 Introduction to Meteorology
• SCI 139 Belize: Impact of Eco-adventure
• SOC 356 Environmental Sociology
Environmental Studies Courses

ENVS 112 Energy and the Physical World

- 4 hours
- Fulfills: Natural World—Lab

The unifying theme of energy molds the physical concepts of motion, gravitation, electromagnetism, heat, radiation, and nuclear physics. Solar, wind, nuclear, tidal, hydroelectric, and thermal electric energy conversion processes are also included. This course is intended for the general student with no special background in mathematics or science. (Same as PHYS 112 and SCI 112)

ENVS 130 Environmental Forays

- 4 hours
- Fulfills: Natural World—Nonlab

In this course students will explore the relationship between humans and the physical environment by 1) reading seminal texts that address this relationship, such as "A Sand County Almanac" and "Silent Spring", 2) studying basic ideas and concepts central to environmental studies and, 3) using the prairie-forest border region of Northeast Iowa as a laboratory for investigating how humans interact with the natural world.

ENVS 133 Environmental Conservation

- 4 hours
- Fulfills: Natural World—Lab

An introduction to conservation of the natural environment. Emphasizing ecological principles, the course covers the history of environmental conservation, the soil, air, and water components of the biosphere, and biological diversity. Laboratory/field trips emphasize the ecology of major habitats of northeastern Iowa and human efforts to solve environmental problems.

ENVS 134 Environmental Geology

- 4 hours
- Fulfills: Natural World—Lab

Just as the physical environment impacts human activities, so too do our actions influence our surroundings. In this course we will seek to understand geologic processes and the ways in which humans interact with them. We will also explore the unique geology and physical geography of northeast Iowa during labs and field trips.

ENVS 175 Introduction to Geographic Information Systems

- 2 hours

This course is an applied practicum in geospatial technology that fosters effective use of
Geographic Information Systems. Students who successfully complete the course will be able to create, manipulate, and manage geographic data to perform analysis tasks, to visualize geographic data, and to use geographic data analyses to support decision making.

ENVS 215 Environmental Education

4 hours  
☑ Fulfills: Natural World—Lab  
adero: Complete one natural world lab course.

An introduction to the theory and practice of environmental education while providing a foundation of basic environmental science content. Emphasis is placed on learning local and regional natural history as well as phenology and basic ecological processes. Students gain skills and learn methods necessary to effectively teach about the natural world. Focus is placed on planning and implementing environmental education programs, inquiry and interdisciplinary approaches, and place-based education. The course will include training for environmental curricula such as Project Wild and Project Wet.

ENVS 220 Environmental Geochemistry

4 hours  
adero: ENVS 134 and CHEM 152 or 201

In this course we will focus on chemical reactions in the environment in order to understand the properties and behavior of air, soil and water. We will apply this understanding to environmental issues such as resource extraction, energy production, toxic waste disposal and climate engineering while also exploring the ways in which chemistry can be used as a tool to increase our understanding of environmental processes, both in the present and in Earth’s geologic past. Labs include both fieldwork and laboratory analyses. Offered alternate years.

ENVS 230 Earth Systems and the Environment (Italy Semester)

4 hours  
☑ Fulfills: Natural World—Lab

This course focuses on 1) the operation of the biosphere, lithosphere, hydrosphere and atmosphere within the context of the Earth system as a whole; 2) how the operation of these systems may change over time and 3) how human activities influence and are influenced by these systems. We will draw on the immense field laboratory of the Italian peninsula to explore Earth system processes from the deep geologic past to the present. Course work will be based primarily on field observations and analysis. Prerequisite: Admission into Earth and Environment in Italy study away program.

ENVS 240 Environmental Issues in the Pacific Northwest

4 hours  
☑ Fulfills: Human Behavior  
adero: PAID 111, 112

This course examines environmental issues in the Pacific Northwest and the policies that are used
or proposed to address them. Case studies - on issues such as wilderness, endangered species, mining, hydroelectric dams, water rights, public land management, logging, and outdoor recreation - will be used to better understand the political process in the United States, the role of economics in addressing environmental issues, and the particular challenges in human-nature relations within the intermountain west. The course will be taught at Holden Village, an ecumenical retreat center in the Cascade Mountains of Washington state. Students who previously have taken one of the Envs 239 courses at Holden Village will not be permitted to enroll in this course.

ENVS 310 Earth: Evolution of a Habitable Planet

- 4 hours
- Fulfills: Natural World—Lab
- Prerequisites: ENVS 134.

Among the planets of our solar system, the Earth alone has remained hospitable to life throughout its long history. What processes and feedbacks have consistently maintained conditions on the Earth’s surface within the bounds required for survival of life? From the earliest Earth to the modern day, we will explore the intertwined histories of life, atmospheric chemistry, geologic processes, and the climate system. Additional emphasis on the scientific techniques used to reconstruct Earth history. Laboratory includes fieldtrips exploring regional geology.

ENVS 320 Soil Genesis, Morphology and Classification

- 4 hours
- Fulfills: Natural World—Lab
- Prerequisites: ENVS 134.

Simply put, life depends on soil. Soils effectively link the physical, biological and chemical environments and the study of soils is paramount to understanding and integrating concepts in archaeology, biology, chemistry, geology, and environmental science. Students will gain a basic understanding of soil formation processes and the relationships between soils and other Earth systems as well as conducting basic field description of soils and interpreting the environmental history recorded in soil profiles. Offered alternate years.

ENVS 330 The Geology of Italy (Italy Semester)

- 4 hours

Although Italy’s geology, like much of the American Midwest, is characterized in large part by limestone bedrock, the landscape and geological history of Italy are unlike anything encountered in the central United States. In this course we will learn techniques for deciphering the sometimes complex geologic history recorded in the rocks of Italy, and will use these techniques to reconstruct events of mountain building, crustal deformation, igneous activity, metamorphism, erosion, extraterrestrial impacts, and climate and environmental change that have shaped the geology and landscape that we see today on the Italian peninsula. Requires admission into Earth and Environment in Italy study away program.
ENVS 485 Seminar

〇 4 hours

Prerequisites: BIO 151, ENVS 134, PHIL 140, POLS 258 or consent of instructor

This course will be an interdisciplinary seminar for students completing the environmental studies major or minor. It will be topical in nature and will combine lecture and seminar approaches to the exploration of environmental issues and policies. Students may complete more than one seminar.

ENVS 490 Senior Project

〇 1, 2, or 4 hours
This course is designed for students who have lived or studied outside of the U.S. for at least a full semester. It will enable students to reflect on how their immersion in a foreign culture has affected their values and vocation. By combining practical experiences with scholarly and artistic works, students will a) reflect on the role of culture, b) think about the articulation and application of values in the public sphere, c) explore the relation among politics, economics, culture, and society, and d) develop their own ethical perspectives as "global citizens." There will be a heavy emphasis on writing, group work and oral presentations. Satisfies the Paideia 450 requirement.
Foreign Culture

Foreign Culture courses are courses taught in English as part of various programs connected to the Department of Modern Languages, Literatures, and Linguistics. These programs include Asian Studies, Russian Studies, and Nordic Studies. For more information, please see each program’s section of the catalog.

Foreign Culture Courses

FCUL 142 China in the World

4 hours
✓ Fulfills: Intercultural

This course explores the importance of China in a rapidly globalized world from an intercultural perspective. Students are invited to examine how China interacts with the world, and vice versa, through a variety of issues. The course begins with an interdisciplinary project that offers students a gateway to explore the global presence of China. After a comparative study of origin myth and flood in China and the West, the course continues with an examination of cross-cultural education, during which students will complete an interview project. Both Chinese cuisine and the topic of "made in China" will be essential parts of this course, but students will also be able to explore topics of personal interest, such as Hollywood’s representation of Chinese culture, international adoption or the Dalai Lama. With class discussion and student-led projects, this interdisciplinary course will provide a basic understanding of Chinese culture and tradition.

FCUL 241 Russian Culture Through Film

4 hours
✓ Fulfills: Human Expression–Primary Texts, Historical, Intercultural

This course will cover 20th-century Russian/Soviet culture and history through the medium of film. We will begin with classics of early Soviet film (including Eisenstein, Vertov, Pudovkin) and then view and discuss classic films of the Stalinist era and World War II (1930’s-50’s). We will continue with classic films and comedies of the 60’s and 70’s (including Ryazanov, Gaidai, Tarkovsky). The later 1980’s-90’s (glasnost’, perestroika, and the post-Soviet era) witnessed the emergence of films that revealed difficult social and historical themes (for example, Little Vera, Burnt by the Sun, Prisoner of the Caucasus, Brother I). The course will conclude with discussion of film and society in present-day Russia. Films are in Russian (with English subtitles). Readings and discussions are in English. Advanced Russian language students who have completed RUS 202 may elect to enroll in RUS 241 for supplementary assignments in Russian. Offered on a rotating basis.

FCUL 242 Chinese Cinema and Chinese Modernity

4 hours
✓ Fulfills: Human Expression–Primary Texts, Intercultural
From the fall of the Celestial Empire to the rise of China’s economy today, Chinese cinema has witnessed many social changes in the modern era. This course will focus on the interaction between Chinese cinema and the process of modernization. By examining how Chinese films dialogue with Hollywood, it will explore Chinese people’s experiences of semi-colonial modernity, socialist modernity and postsocialist/global modernity. Students will watch select films made in mainland China, Hong Kong and Taiwan. Along with reading and writing assignments, students will be required to do oral presentations. All films have English subtitles. All readings are in English. Students with Chinese language background may elect to enroll in CHIN 242 for additional assignments in Chinese.

FCUL 243 Time of Stalin - Literature and Memoirs

☐ 4 hours
☑ Fulfills: Human Expression—Primary Texts, Historical, Intercultural

This course, through the medium of literature and memoirs, focuses on Russia/Soviet Union in the early years after the Bolshevik Revolution (1917) until Gorbachev’s glasnost’ and perestroika. Students will learn about the rise of Stalin, the time of terror and purges at the height of Stalin’s regime (mid-1930’s), WWII, the “Thaw” after Stalin’s death in 1953, and the implications Stalinism has on present-day Russia. We will seek answers to the questions of how Stalin was allowed to rise to power, retain political control, and instigate policies that caused the deaths of approximately 20 million Soviet citizens - many of whom were Bolsheviks and loyal members of the Communist Party. Literary readings include memoirs, poetry, and novels. A significant part of the course concerns the role of women in the Bolshevik Revolution and their fate under Stalinism. This course fulfills requirements of international studies, women and gender studies, and Russian studies. The course is taught in English and readings are in English. Advanced Russian language students who have completed RUS 202 may elect to enroll in RUS 243 for supplementary assignments in Russian. Offered on a rotating basis. (Same as WGST 243)

FCUL 250 Topics in Nordic Literature

☐ 4 hours
☑ Fulfills: Human Expression—Primary Texts

This course will offer reading and discussion of literature of various genres, authors and time periods of Norway and other Nordic countries. Topics will change annually and rotate. Students may enroll in the course multiple times for credit (and count towards the major/minor in Nordic Studies), provided that the topic is new. The course is taught in English and readings are in English. Students who have completed SCST 202 may elect to enroll in SCST 250 for extra assignments in Norwegian.

FCUL 251 Topics in Nordic Film

☐ 4 hours
☑ Fulfills: Human Expression—Primary Texts

The course will offer viewing and discussion of films of various genres, directors and time periods of Norway and other Nordic countries. Topics will change annually and rotate. Students may enroll in the course multiple times for credit (and count towards the major/minor in Nordic Studies), provided that the topic is new. The course is taught in English, readings are in English, and films are subtitled in English. Students who have completed SCST 202 may elect to enroll in SCST 251 for extra assignments in Norwegian.
FCUL 341 Russian Life and Culture

- 4 hours
- ✔ Fulfills: Intercultural, Historical, Human Expression

A study of the cultural, political, and social institutions that have shaped Russia from the time of Kievan Rus’ to the present period. Key historical and philosophical themes will be discussed in reference to art, literature, architecture, music, and Russian Orthodoxy. The course is taught in English and readings are in English. Advanced Russian language students who have completed RUS 202 may elect to enroll in RUS 341 for supplementary assignments in Russian. Offered on a rotating basis.

FCUL 350 Topics in Russian/Soviet Literature

- 4 hours
- ☑ Prerequisites: PAID 112 or transfer equivalent.

This course will offer reading and discussion of literature of various genres, authors and time periods of Russia and the USSR. Topics will change annually and rotate. Students may enroll in the course multiple times for credit (and count towards the major/minor in Russian Studies), provided that the topic is new. The course is taught in English and readings and writing assignments are in English. Advanced Russian language students who have completed RUS 202 may elect to enroll in RUS 350 for supplementary assignments in Russian. Offered on a rotating basis.

FCUL 361 Henrik Ibsen

- 4 hours
- ✔ Fulfills: Human Expression—Primary Texts
- ☑ Prerequisites: PAID 112 or transfer equivalent.

Norway’s preeminent playwright, Henrik Ibsen, lived most of his life outside of his homeland, which he nevertheless observed with unmatched acuity. The course follows Ibsen’s development as a dramatist while also exploring the cultural context of his time. The course includes recent film productions of selected plays and an opportunity to experience an Ibsen play as performed by the Commonweal Theater in Lanesboro, MN. All readings and discussions are in English. Students who have completed SCST 202 may elect to enroll in SCST 361 for additional coursework in Norwegian. Offered on a rotating basis.

FCUL 363 Norway’s Nobel Prize-Winning Authors

- 4 hours
- ✔ Fulfills: Human Expression—Primary Texts
- ☑ Prerequisites: PAID 112 or transfer equivalent.

Through the lives and literature of Nobel Prize-winning authors, Bjornstjerne Bjornson, Knut Hamsun, and Sigrid Undset, the history of Norway unfolds with its struggles and triumphs from the Middle Ages through Norway's World War II occupation by Hitler's forces. Reading selected works and viewing films based on them, as well as researching the authors’ lives and times, students will gain an understanding of the highlights of Norway’s history and literary production. All readings and discussion are in English. Advanced Norwegian language students may enroll in SCST 363 for additional coursework in Norwegian. Offered on a rotating basis.
French

David Thompson (department head), Anne-Marine Feat (section head)

Required for a major: Thirty-two hours, starting at FREN 201 or above, including FREN 344 and 345 or FREN 347, and FREN 346 or 348; FREN 460 or 464; language immersion experience (followed by a 4-hour French course on campus); a senior project (unless this is completed in another major), an oral proficiency examination in French. Writing requirement completed with FREN 344. Students interested in teaching should see the education department for secondary education minor requirements.

Recommended supporting courses for students majoring in French: Two semesters of another modern or a classical language; linguistics courses, such as LING 131, 241, or 245.

Required for a minor: No fewer than 18 hours, including FREN 345 or FREN 347, and one literature course above 300; language immersion experience; an oral proficiency examination in French.

Required for a second teaching area: See education department for specific requirements. The second teaching area license is offered only in the state of Iowa.

Language immersion experience: For majors, a minimum of one semester of academic study in a country where French is an official language. For minors, at least one January Term of academic study in such a country, although a semester is strongly recommended. Those preparing to teach must spend at least one semester of academic study in such a country. Program selection and other options must be approved by the department for all majors and minors prior to departure. After having fulfilled the study-abroad requirement, all majors who are enrolled in on-campus courses for at least one semester are required to complete a 4-hour course in French. All majors and minors are strongly urged to help maintain and advance their language skills by completing courses in the language during their final semesters at Luther.

Language Learning Center

The department of Modern Languages, Literatures, and Linguistics has a Language Learning Center in Main Building. Language students have access to computerized language learning materials, to computers with audio and video editing software, and to video study rooms where they may view prerecorded foreign language videos and DVDs or watch live international TV. The Languages Learning Center also houses the department’s Foreign Language Media Library with over 800 foreign language films and a selection of leisure reading books and audio books for language learners. Students can check out these materials as well as audio and video equipment for their class assignments. The Language Learning Center also provides language students with valuable work-study experiences related to their interest in languages.
French Courses

FREN 101 Elementary French I

4 hours

A practical approach to the French language, in which the student begins speaking French from the first day and completes the year with a basic ability to speak, write, read, and understand French.

FREN 102 Elementary French II

4 hours
Prerequisites: FREN 101

A practical approach to the French language, in which the student begins speaking French from the first day and completes the year with a basic ability to speak, write, read, and understand French.

FREN 201 Intermediate French

4 hours
Prerequisites: FREN 102 or equivalent as indicated by the placement test.

Review of structures through drills designed to develop skills, combined with individual practice in the language learning center. Graded readings chosen for their insights into French social and intellectual traits.

FREN 202 Intermediate French

4 hours
Prerequisites: FREN 201 or equivalent as indicated by the placement test.

Review of structures through drills designed to develop skills, combined with individual practice in the language learning center. Graded readings chosen for their insights into French social and intellectual traits.

FREN 342 Introduction to French Culture

4 hours
Fulfills: Intercultural
Prerequisites: FREN 202.

An introduction to the study of French history, culture, and society, investigating selected trends and developments from its early history to the present that have contributed to the formation and continuing evolution of contemporary French identity.
FREN 344 Advanced Grammar and Composition

- 4 hours
- Prerequisites: FREN 202.

An in-depth review of French grammar with systematic work in French composition. The course is intended to help students develop strategies for the production of effective written French. More complex grammatical, syntactic and stylistic structures, as well as more sophisticated vocabulary and expressions are introduced and practiced through a variety of activities: syntactic, structural and grammatical analysis of texts, study of common problem words for non-native French speakers, short translation and stylistic exercises, and guided writing projects in different genres.

FREN 345 Conversation and Phonetics

- 4 hours
- Prerequisites: FREN 202

A course for advanced students wishing to increase their fluency through daily conversation on topics of current interest. A systematic review of problems in French pronunciation is included. Offered on a rotating basis.

FREN 346 Introduction to French Literature I

- 4 hours
- Prerequisites: FREN 344

Historical survey of French literature from the earliest texts to the end of the 17th century. Emphasis on the development of literary forms, including the epic, drama, lyrical poetry and narrative literature. Fundamental concepts of analysis and criticism are presented. Attention will be paid to increasing the student’s fluency in writing. Offered alternate years.

FREN 347 Introduction to Commercial French

- 4 hours
- Prerequisites: FREN-202.

An introduction to business in French context, including business vocabulary, commercial correspondence, economic geography, and the role of government in business transactions. Specific topics will be addressed on a rotating basis.
FREN 348 Introduction to French Literature II

- 4 hours
- **Fulfills:** Human Expression—Primary Texts
- **Prerequisites:** FREN 344.

Historical survey of French literature from the 18th century to the present and general introduction to the principal literary forms—prose, poetry, and drama—as illustrated by some of the best known authors in the French-speaking world. Fundamental concepts of analysis and criticism are presented. Attention will be paid to increasing the student’s fluency in writing. Offered alternate years.

FREN 460 Topics in French Literature and Culture

- 4 hours
- **Fulfills:** Human Expression—Primary Texts
- **Prerequisites:** FREN 344, 346 or 348.

Study in depth of a particular topic as seen through primary texts. The focus will vary each year, and may include topics such as women writers, social criticism, and film. Offered alternate years.

FREN 464 Francophone Literatures and Cultures

- 4 hours
- **Fulfills:** Intercultural, Human Expression—Primary Texts
- **Prerequisites:** FREN 344, 346 or 348.

A survey of the literature and/or the culture and history of a Francophone country, or the study of a literary or cultural theme in several Francophone countries. Focus will vary, depending on the literary or cultural nature of the topic as well as on the number of Francophone countries studied. Offered on a rotating basis.

FREN 490 Senior Project

- 1, 2, or 4 hours

The senior project requirement gives students an opportunity to participate in independent study, to read relevant literature in their chosen area, to develop methods of research and analysis appropriate to their selected topic, and to construct a sustained argument in the language of their major. To enrich their work, students will be encouraged to reflect on and use their study-abroad and firsthand cultural experiences as a means of contextualizing their projects. The research paper is written in French and is presented orally as well. If students have another major in addition to French, they are not required to complete a senior project in both majors.
The Luther College curriculum allows for the offering of courses under the heading of general studies. This heading is reserved for those courses whose primary content lies outside a departmental subject area, and there are normally no academic prerequisites for those courses. The courses bear full academic credit and advance students toward total number of credits for graduation; however, the courses do not fulfill requirements for major or minors.

**General Studies Courses**

**GS 100 Foundations for Learning and Development**

- 2 hours

The purpose of this course is to enable students to understand the foundations of learning and development by examining their skills, attitudes, beliefs, and behaviors, and the contribution of a liberal arts education to their holistic development (emotional, ethical, intellectual, physical, social, spiritual, and vocational). Students will develop academic and other skills related to higher-order thinking, social and emotional intelligence, cultural competence, digital age learning, and financial decision-making. They will learn to enhance their own motivation, responsibility and leadership. Students will also explore their personality, strengths, interests, and purpose in order to fully engage in the education process and set goals that represent their values and priorities. Open to first-year students accepted into the SSS TRIO Program.

**GS 110 Critical Reading and Learning**

- 2 hours

We become better students when we become better critical readers aiming to withhold judgement until we have considered texts or issues carefully and thoughtfully. In this course we practice critical reading strategies, including inspectional, analytical, and syntopical ways of approaching issues and texts. In this course we also review and practice best learning strategies in the context of a liberal arts curriculum.

**GS 200 Lives that Matter: Vocation, Self and Service (Arizona)**

- 4 hours

This course is designed to help students connect their own gifts, talents, and vocation with the needs of the world. The course begins with on-campus days of introduction to the major concepts of community, service, compassion, social justice, social change, leadership and vocation. These classes will also enable students to identify their own strengths. The second part of the course, based at the ELCA "Spirit in the Desert" retreat center in Carefree, Arizona (close to Phoenix), offers an intensive service experience through area churches in order to allow students to address a specific need such as homelessness. The course concludes with a special 2-day Blessed to be a Blessing retreat at Spirit in the Desert, offering students further readings, discussion, and rich inter-generational reflection in order to incorporate their service experience into an understanding of their own vocation in relation to the needs they have witnessed and addressed. Additional fees will apply ($850 for flight and accommodations in Arizona) Requires sophomore status or above.
German

David Thompson (department head), Ruth Kath (section head), Sören Steding (Münster program director)

Required for a major: Thirty-two hours, starting at GER 201 or above, including GER 202; GER 345 or 346; GER 450, 460 or 470; language immersion experience; a senior project (unless this is completed in another major); an oral proficiency examination in German. Writing requirement completed with GER 450, 460, or 470. Students interested in teaching should see the education department for secondary education minor requirements.

Recommended supporting courses for students majoring in German: Two semesters of another modern or a classical language; LING 131, 135, or 241.

Required for a minor: No fewer than 18 hours, including GER 202, and one course above 300; language immersion experience; an oral proficiency examination in German.

Required for a second teaching area: See education department for specific requirements. The second teaching area license is offered only in the state of Iowa.

Language immersion experience: For majors, a minimum of one semester of academic study in a country where German is an official language. For minors, at least one January Term (or a similar program) of academic study in such a country, although a semester is strongly recommended. Those preparing to teach must spend at least one semester of academic study in such a country. Program selection must be approved by the department for all majors and minors prior to departure. Luther College offers a semester program in Münster, Germany, every other year (2014; 2016). However, other programs may also fulfill this requirement.

After having fulfilled the study-abroad requirement, all majors who are enrolled in on-campus courses for at least one semester are required to complete a 4-hour course in German. Consult with department for details on petition procedure for alternative ways of satisfying this requirement. All minors are strongly urged to help maintain and advance their language skills by completing courses in German during their final semesters at Luther.

Language Learning Center

The department of Modern Languages, Literatures, and Linguistics has a Language Learning Center in Main Building. Language students have access to computerized language learning materials, to computers with audio and video editing software, and to video study rooms where they may view prerecorded foreign language videos and DVDs or watch live international TV. The Languages Learning Center also houses the department’s Foreign Language Media Library with over 800 foreign language films and a selection of leisure reading books and audio books for language learners. Students can check out these materials as well as audio and video equipment for their class assignments. The Language Learning Center also provides language students with valuable work-study experiences related to their interest in languages.
German Courses

GER 101 Elementary German I

4 hours

The basic structures of German. Students will learn to understand, speak, read, and write German at a beginner’s level and gain awareness of the culture of German-speaking countries.

GER 102 Elementary German II

4 hours

Prerequisites: GER 101.

The basic structures of German. Students will learn to understand, speak, read, and write German at a beginner’s level and gain awareness of the culture of German-speaking countries.

GER 105 Munster Preparation

1 hour

This course prepares students accepted to the Munster Semester for the semester abroad. Requires acceptance to the Muenster Program.

GER 201 Intermediate German

4 hours

Prerequisites: GER 102.

Completion of basic grammatical structures. Beginning composition and conversation through greater emphasis on the creative aspects of language use, i.e., speaking and writing.

GER 202 Conversation and Comprehension

4 hours

Prerequisites: GER 201.

This course is for students who have completed GER 201 and who want to develop their speaking as well as their oral and reading comprehension skills, increasing proficiency in extended narration and dialogue and developing knowledge of German-speaking cultures.

GER 342 German Culture

4 hours

Prerequisites: GER 202.

This course introduces students to the study of German history, culture, and society. It investigates selected trends and developments in contemporary German culture and examines their historical
backgrounds. A special emphasis will be put on German media and film. Offered on a rotating basis.

**GER 344 German Play**

- 4 hours
-チェック: Human Expression
- Prerequisites: GER 202.

Students will write and perform a play in German. Emphasis is on oral expression, pronunciation, review of advanced grammatical structures, and writing. Offered on a rotating basis.

**GER 345 Advanced German Grammar**

- 4 hours
- Prerequisites: GER 202.

This course allows students to master advanced grammar structures as they encounter them in Germany during the Munster Semester. Focus on advanced grammar functions and correcting common mistakes in oral and written expression.

**GER 346 Introduction to German Literature: From Runes to Rap**

- 4 hours
-チェック: Historical, Human Expression—Primary Texts
- Prerequisites: GER 202.

Modern German literature and film often draw from significant works of their artistic predecessors. This course offers a general introduction to the principle literary forms of prose, poetry, and drama, as illustrated by some of the best known authors of the German-speaking world. Attention will be paid to increasing students’ fluency in writing.

**GER 348 Advanced Conversation and Comprehension**

- 4 hours
- Prerequisites: GER 202.

This is a course for students who have completed intermediate-level coursework in German and who have a solid background in German grammar. Focus on developing speaking and oral comprehension skills, increasing proficiency in extended narration and dialogue and developing knowledge of German-speaking cultures. Students take this course during the semester abroad in Munster, Germany, and work with authentic, real-life materials and situations.

**GER 450 Masterpieces of German Literature**

- 4 hours
-チェック: Human Expression—Primary Texts
- Prerequisites: GER 202 and one German course at the 300 level.
The course focuses on masterpieces of poetry, prose and drama in German through 1900, with attention on the continuing impact of these works on modern German culture. Significant practice in writing, including a research project. May be repeated up to three times for credit under three different topics. Offered on a rotating basis.

GER 460 Contemporary German Literature And Culture

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: GER 202 and one German course at the 300 level.

A course with rotating topics on German literature and culture, with emphasis on texts of the 20th and 21st century. Study in depth of a particular topic as seen through primary texts, with special attention given to contemporary texts and topics. Significant practice in writing, including a research project and assessment of speaking skills. May be repeated up to three times for credit under three different topics. Offered on a rotating basis.

GER 470 Topics in German Literature and Culture

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: GER 202 and one German course at the 300 level.

Study in depth of a particular topic as seen through primary texts. The focus will vary each time, and may include topics such as women writers, social criticism, the environment, East and West, the Holocaust, German media. Significant practice in writing, including a research project. May be repeated for credit up to three times under three different topics. Offered on a rotating basis.

GER 490 Senior Project

- 1, 2, or 4 hours

The senior project requirement gives students an opportunity to participate in independent study, to read relevant sources in their chosen area, to develop methods of research and analysis appropriate to their selected topic, and to construct a sustained argument in the language of their major. To enrich their work, students will be encouraged to reflect on and use their study-abroad and firsthand cultural experiences as a means of contextualizing their projects. Assessment includes the paper, the process, and the required formal presentation of the project at end of term. If students have another major in addition to German, they are not required to complete a senior project in both majors.
Greek

Philip Freeman (department head)

Knowledge of classical Greek provides direct access to the rich and varied literature of ancient Greece as well as to the New Testament. Coursework in Greek complements the study of theology, philosophy, medicine, the natural sciences, linguistics, and the history and development of Christianity.

Greek Courses

GRK 101 Elementary Greek I

4 hours

The first course of a two-semester sequence emphasizing basic grammar, vocabulary, and syntax of ancient Greek. Translation passages are drawn from different Greek works, including the New Testament.

GRK 102 Elementary Greek II

4 hours

Prerequisites: GRK 101

The second course of a two-semester sequence which continues the study of ancient Greek grammar, vocabulary, and syntax. Passages are drawn from a variety of Greek works, including the New Testament.

GRK 201 Intermediate Greek

4 hours

Fulfills: Human Expression—Primary Texts
Prerequisites: GRK 102.

A review of ancient Greek grammar, vocabulary, and syntax, followed by readings in both the New Testament and classical authors.

GRK 202 Readings in Greek

4 hours

Fulfills: Human Expression—Primary Texts
Prerequisites: GRK 201

Fourth-semester readings from one or more ancient Greek authors or works, such as Homer, Plato, Sophocles, and the New Testament.
GRK 301 Advanced Greek Prose

☐ 4 hours  
☑ Fulfills: Human Expression—Primary Texts  
✏ Prerequisites: GRK 202.

Prose readings chosen from a single Greek author or from a variety of authors within a particular genre. Authors and works may include Herodotus, Xenophon, Lysias, Plato, the New Testament, the Septuagint, or others. May be repeated for credit when topics vary.

GRK 302 Advanced Greek Poetry

☐ 4 hours  
☑ Fulfills: Human Expression—Primary Texts  
✏ Prerequisites: GRK 202.

Poetry readings chosen from a single Greek author or from a variety of authors within a particular genre. Authors and works may include Homer, Hesiod, Sappho, Sophocles, Euripides, or others. May be repeated for credit when topics vary.

GRK 490 Senior Project

☐ 4 hours
Health

Brian Solberg (department head)

The health major is designed to prepare students to serve as professionals in the field of health, wellness, and fitness. Our graduates are well prepared to serve as teachers, researchers, or health practitioners in university, corporate, or commercial settings where exercise programming is a primary focus. Students may select a teaching or a health and fitness promotion major.

Required for a major:

**Plan I (teaching):** HLTH 125, 201, 233, 234, 249, 343, 344, 352, 358, 465, 490; PE 100, 190, and PE 261. Writing requirement completed with HLTH 249. See education department for requirements specific to K–12 health education minor.

**Plan II (health and fitness promotion):** HLTH 125, 126, 201, 233, 249, 352, 358, 380, 465, 490; PE 190, 221, 224, 261, 323, 366; MGT 240. Writing requirement completed with HLTH 249.

**Required for a minor:** HLTH 125, 201, 233, 249, 352, 358, 465; PE 100 and PE 190.

**Required for a second teaching area:** See education department for specific requirements. The second teaching area license is offered only in the state of Iowa.

Health Courses

**HLTH 125 Nutrition I**

- 2 hours

An introductory course emphasizing the fundamental and practical aspects of nutrition. This course will include discussion of carbohydrates, fats, proteins, vitamins, minerals, and fluids. Special topics such as sport nutrition, supplements, energy balance, weight loss, and food safety will also be examined. Students will complete a diet analysis, caloric expenditure, and label assignment. (NWNL when combined with HLTH 126)

**HLTH 126 Nutrition II**

- 2 hours

Prerequisites: HLTH 125.

This course explores the application of introductory concepts to the nutritional aspects of health, fitness, and human physical performance. The course will include discussion of food and society, dietary plans, food production and sources, malnutrition in the United States and the world, gastrointestinal disorders and their effects on nutrition. Students will implement knowledge of
nutrition into dietary planning and prescription for specific situations. (NWNL when combined with HLTH 128)

HLTH 201 Foundations of Health Education

2 hours

This is an introductory course for health majors. It provides students with the scope and practice of health educators historically, philosophically, theoretically, and ethically. Specifically, this course examines the roles and responsibilities of health educators and the settings where they are employed, professional ethics, selected theories, and future directions.

HLTH 233 Mental/ Emotional Health: Stress Management

4 hours

This course approaches stress management from a holistic perspective. Causes of stress, signs and symptoms produced by stress, and modalities for dealing with stress are emphasized. Students will gain stress management knowledge, techniques, and responsible applications in daily lives.

HLTH 234 Family Life Education

2 hours

Family Life Education is designed to help students develop an understanding of various aspects of human relationships with emphasis placed on the unique needs and interests of individuals and families. Topics covered in this course include approaches to sexuality education, education for relationships and marriage, and parenting education.

HLTH 249 Personal and Community Health

4 hours

Course objectives include dissemination of current health and health care information, experiential learning opportunities, and investigation of cultural differences in wellness programs.

HLTH 343 Health Education Content, Methods, and Assessment I

2 hours

Prerequisites: EDUC 185 or 215, HLTH 201, Admittance to Teacher Education Program.

This course will provide pre-service teachers with the knowledge and understanding required to develop quality K - 12 Health Education programs. Coordinated school health education programs emphasizing comprehensive school health education will be examined. Pre-service teachers will acquire knowledge needed to select developmentally appropriate health education content in accordance with National Health Education Standards. Assessment and evaluation procedures, classroom management, and teaching methodologies will be covered.
HLTH 344 Health Education Content, Methods, And Assessment II

2 hours
Prerequisites: HLTH 343, EDUC 366, and admittance to the Teacher Education Program.

Continued development of health content, assessment, and teaching methodologies needed to implement K - 12 comprehensive school health education at appropriate grade levels will be covered. Emphasis is placed upon developing age-appropriate curricula; organizing, designing, and implementing course unit and lesson plans; and assessment and evaluation. This course builds on the content of H343 and the clinical appointment in EDUC 366 and must be taken prior to EDUC 486.

HLTH 352 Consumer Health and Safety Education

2 hours
Prerequisites: HLTH 201.

Instruction in factors involved in the selection and evaluation of health services and products. Consumer laws and organizations will also be examined. An overview of approaches to safety education and injury reduction will be addressed.

HLTH 358 Substance Abuse Education

4 hours
Prerequisites: HLTH 201.

An introduction to social, psychological, pharmacological, and cultural aspects of substance use and abuse. An overview of resources, materials, and instructional strategies available to the substance abuse educators will be presented. Methods of identifying substance abuse problems and substance abuse prevention theories will also be discussed.

HLTH 372 Administration and Management of Fitness Programs

2 hours
Prerequisites: HLTH 201.

Administrative and management issues confronting professionals in the fitness industry will be explored. An overview of organizational issues, scheduling, facilities, personnel, fiscal management, and marketing will be examined. Students will also discuss organizational and management operations as they apply to the fitness professional.

HLTH 380 Internship

1, 8 hours

Supervised on-or-off campus work situations in public or private organizations. Graded credit/no credit.

HLTH 465 Current Issues in Health
This course affords students the opportunity to examine local, national, and international health issues. Students will actively participate in selecting course topics, work collaboratively with others in developing and implementing course objectives, and will research, write, and present information on selected course topics.

HLTH 490 Senior Project

2 hours

Prerequisites: HLTH 201.

1, 2, or 4 hours
Hebrew

**Philip Freeman** (department head)

Knowledge of classical Hebrew is an essential tool for in-depth study of the Hebrew Bible and the ancient Near East. Hebrew also provides a useful introduction to the structure and word formation of the Semitic family of languages.

Hebrew Courses

**HEB 101 Elementary Hebrew I**

- 4 hours

The first course of a two-semester sequence introducing the essential forms, grammar, and vocabulary of the language. Practice gained through graded exercises and readings provides the basis for translating passages drawn from the prose and poetry of the Hebrew Bible.

**HEB 102 Elementary Hebrew II**

- 4 hours
  - Prerequisites: HEB 101

The second course of a two-semester sequence which continues the presentation of basic forms and vocabulary. The course includes translation passages of increasing length and complexity, and more reading is done directly from the Hebrew Bible.

**HEB 201 Intermediate Hebrew**

- 4 hours
  - Fulfills: Human Expression—Primary Texts
  - Prerequisites: HEB 102.

Selected books and/or passages from the Hebrew Bible chosen according to student interest with the guidance and approval of the instructor.
History

Brian Caton (department head)

The objectives of the history program at Luther College derive from our understanding of the discipline of history as defined by the American Historical Association, the largest professional organization for historians in the United States:

History is an encompassing discipline. Its essence is in the connectedness of historical events and human experiences. By examining the causes, contexts, and chronologies of events, one gains an understanding of the nature of continuity and change in human experiences. Contemporary issues, ideas, and relationships take on new meaning when they are explored from historical perspectives.

Thus as historians, we can investigate any element of the past we choose, but we are guided in our study by a set of questions that are applicable across time and place; why and how does change occur over time? How do the local, national, and global contexts affect particular groups of people and influence events? What causes specific events to occur (and when does something that happens prior to such an event have no causal link to it)? The ability to research and answer such questions imparts vital skills for career paths both in teaching (Plan II) and in the broad spectrum of occupations our graduates have undertaken.

Required for a major:

Plan I (non-teaching). The major normally consists of nine courses (36 hours, excluding senior project) of history, including at least one course in U.S. history, one course in European history, and one course in non-western history. Each student must complete two courses at the 300 level, a course in historical methods (HIST 298), a writing intensive course (HIST 485: Jr/Sr seminar), and senior project. Writing requirement completed with HIST 485. Double majors may elect to complete their senior project in another discipline. Students select remaining history courses based on their interests with the approval of and consultation with history faculty.

Plan II (teaching in U.S. and/or world history). Same as Plan I requirements. Students planning to teach in secondary education must also complete at least one certification area (U.S. history, world history, or both) for teaching history in the state of Iowa; a minimum of four courses in U.S. history (for certification in U.S. history) and/or four courses in world history (for certification in world history). Writing requirement completed with HIST 485. See education department for secondary education minor requirements.

Required for the history minor: The minor normally consists of five courses. Students must have at least one course in U.S. history, one course in European history and one course in non-western history. One of the five courses must be at the 300 level or above. Students select other history courses based on their interests with the approval of and consultation with the history faculty.

Required for a second teaching area in history, grades 5-12: See education department for specific requirements. The second teaching area license is offered only in the state of Iowa.
History Courses

HIST 101 Introduction to the History of the United States for Elementary School Teachers

☐ 4 hours
✓ Fulfills: Human Behavior, Historical, Intercultural

This course provides a basic survey of the social, economic, political, and diplomatic history of the United States for the students with little background in U.S. history. Answering the questions: What is America and what does it mean to be American? What is the nature of U.S. democracy? How do the lives of ordinary people intersect with the great events of our past? The course will emphasize content that will be of greatest use for students preparing to teach social studies in the upper elementary grades.

HIST 111 Survey of US History to 1877

☐ 4 hours
✓ Fulfills: Historical, Human Behavior—Social Science Methods

This course surveys American history from the early colonial period to the end of Reconstruction in 1877. Topics are wide-ranging and include society, politics and culture but the overall theme emphasizes the evolution of the New England colonies, the Middle Colonies, the Chesapeake, and the Lower South into coherent regions with different economies, social structures and cultural attributes. The course then explores how these various regions successfully cooperated with one another long enough to engage in an independence movement that separated them from Great Britain and created the United States. These regional differences lived on into the nineteenth century, however, and became the basis for the sectional conflict which erupted into Civil War in 1861. The course closes with the successes and failures of Reconstruction policy as a bridge to later American history.

HIST 112 Survey of US History Since 1877

☐ 4 hours
✓ Fulfills: Historical, Human Behavior—Social Science Methods, Intercultural

This course surveys American history since Reconstruction, exploring transformations in American politics, society, and culture. Though it is wide-ranging, it has as a unifying theme the question of how and why people have defined the American nation in different ways, and how those ideas have related to race and gender. Topics covered include the end of the westward expansion after the Civil War and Indian resistance, industrialization, immigration, World War I, African American migration and cultural innovation, the cultural turmoil of the 1920s, the Depression and New Deal, the Second World War at home and abroad, the Cold War, the Civil Rights Movement, feminism, other social movements, the Vietnam war and the anti-war movement, cultural politics in the 1970s, the new conservatism and 1980s culture wars, the 1990s, 9/11, the Gulf War, and the Iraq and Afghanistan Wars.
HIST 126 Human Geography

4 hours
- Fulfills: Human Behavior—Social Science Methods, Intercultural

A survey of world geography combining the regional and topical approaches, the natural factors which shape the environment, such as climate, landforms and resources, will be considered, along with their impact on people, as studied in the fields of political, economic, and cultural geography. The primary focus of the course will be on basic concepts in cultural geography that will be of greatest use for students preparing to teach middle school and high school social studies.

HIST 135 African-American History

4 hours
- Fulfills: Intercultural, Historical, Human Behavior

This course is a survey of African-American history from the 15th century to the present. Eras and topics include the trans-Atlantic slave trade, slavery in the Americas, the Civil War and Emancipation, segregation, the Great Migration, the Great Depression and World War II, the modern black freedom struggle, and the post-civil rights era. The class emphasizes how African Americans constructed individual and collective selves, created livelihoods, formed families, communities, and institutions, fashioned cultures, defined citizenship, and consistently defied notions of a monolithic "black community." Centering African Americans' words, actions, and artistic creations and the ways they interacted with other cultures and peoples within the Americas and abroad, this course investigates how African Americans shaped and were shaped by the many worlds they traversed. (Same as AFRS 135)

HIST 149 Europe to 1648

4 hours
- Fulfills: Human Behavior—Social Science Methods, Historical

An introductory survey of European history from ancient Greece to the end of the "Religious Wars" (and the Peace of Westphalia) in 1648. Topics will include: Greece from the Bronze Age to the Hellenistic Empires, Ancient Rome (Republic and Empire), Medieval Europe, the Renaissance, and the Reformation and the Age of Religious Wars.

HIST 150 Europe, 1648 to the Present

4 hours
- Fulfills: Human Behavior—Social Science Methods, Historical, Intercultural

An introductory survey of European history from the end of the wars of religion in the seventeenth century to the present. Topics will include: the Scientific Revolution: the Enlightenment; Absolutism and the Emergence of the Parliamentary Government; the French Revolution and Napoleon; Reaction and Revolution in the early nineteenth century; The Industrial Revolution; Nationalism and Unification; the "New Imperialism" and the Coming of World War I: the "Thirty Years War of the Twentieth Century"; Postwar Europe: Cold War and Integration.

HIST 161 East Asian History
An introduction to the basic themes and content of East Asian history, from the earliest times to the present. Students will explore the lives of both great and ordinary people who lived in what are now China, Japan, Korea, and Vietnam. Students will consider how empire, international trade, relations of production, and ideologies affected the construction and reproduction of social and cultural groups. Offered alternate years.

HIST 162 South Asian History

An introduction to the basic themes and content of South Asian history from the earliest times to the present. Students will explore the lives of both great and ordinary people who lived in what are now Afghanistan, Pakistan, India, Bangladesh, Sri Lanka, Nepal. Students will consider how empire, international trade, relations of production, and ideologies affected the construction and reproduction of social and cultural groups. Offered alternate years.

HIST 163 Modern Middle East History

Students in this course investigate the history of the Middle East, including Iran, Turkey, and northern Africa. The course begins with the Mongol sack of Baghdad in 1258, but its focus on the nineteenth and twentieth centuries allows students to understand the cultural and material processes that inform current events. The course provides important historical context for intellectual discussion among the Abrahamic traditions and requires students to consider social, economic, and cultural factors that may find expression in religious canon and practice.

HIST 171 History of Africa to 1880

Survey of African history from the earliest times to roughly about 1880. The course begins with the historical development of Africa's still-vital cultural, linguistic, social, and economic systems and moves on to examine the Islamic and Christian impact on these systems through the era of the Atlantic slave trade. The course concludes by discussing the ways in which early European colonialism affected the African past. (Same as AFRS 171)

HIST 172 History of Modern Africa

This course surveys the history of sub-Saharan Africa from the 1880s to the present. The course examines African life under European colonial domination (from about 1880 to about 1960) and
under independent states which succeeded colonial governments after 1960. A primary aim of this course is to explore the diversity of human experience in Africa during the colonial and post-colonial periods. The course makes use of several primary documents to portray ways in which men and women have dealt with the challenges of living in 20th- and 21st-century Africa. (Same as AFRS 172)

HIST 225 The Golden Age of Atlantic Piracy

☐ 4 hours
☑ Fulfills: Human Behavior—Social Science Methods, Historical

Our fascination with seafaring outlaws often begins with characters such as Long John Silver and more recently, Captain Jack Sparrow but also actual historical figures such as Captain Kidd and Blackbeard. This course examines the popular image of pirates and compares it to the lives and culture of real-life pirates who plied their trade across the Atlantic world between 1550 and 1730. Through readings, lectures, movies and class discussions we will address the major themes of the course which include the reasons behind the rise of buccaneering during the early modern era, ships and seafaring culture during this period, the developing economy of the Atlantic world, the social structure of pirate society on sea and land, definitions and attitudes toward authority, liberty and violence among pirates and the increasing military efficiency and reach of the early modern state which eventually spelled the end of widespread piracy in this part of the world by the 1730s.

HIST 226 History and Material Culture

☐ 4 hours
☑ Fulfills: Human Behavior—Social Science Methods, Historical

This course explores how the study of material culture - objects made or modified by human beings - can inform us about how people thought, lived, and behaved in the past. The course draws upon the multi-disciplinary nature of material culture studies to offer as a fresh approach to history by using insights from folk art, anthropology, and the decorative arts to augment and broaden what historians have learned through the use of written records. Significant attention is given to the ways in which museums contribute to the study of material culture by collecting, preserving, identifying, exhibiting, and interpreting these objects. Offered alternate years.

HIST 227 Public History

☐ 4 hours
☑ Fulfills: Human Behavior—Social Science Methods, Historical

This course explores the various ways in which history is created, incorporated into and presented in U.S. popular culture. This course will combine hands on work with local historical societies, museums, and other public history venues with academic study of public history techniques and ethical challenges. Topics may include the ways in which historical road markers, entertainment corporations (such as the History Channel and Disney), local and regional history associations present history to the public and how the public interacts with these discourses on history. A comparison of the differences in purpose and audience between public and scholarly presentations of history is a central theme of the course. Offered alternate years.

HIST 235 The Civil Rights Movement
In the mid-twentieth century, black and white Americans fought (and many died) for greater rights and freedoms denied by a justice system enmeshed in Jim Crow inequality. For the past twenty-five years or so, most American schools taught the Civil Rights Movement as an unparalleled success, but in the 21st century, more and more people are asking why there is racial violence and economic inequality if the Civil Rights Movement accomplished what the high school textbooks say it did. In this class, we will examine the legal, political, economic, and social reforms that the activists of the Civil Rights Movement demanded, along with the pervasive backlash that limited their successes. We will use the scholarship from history and Africana Studies to investigate these questions, in addition to a range of primary sources including speeches, music, film, television, memoirs, oral histories, and photography (same as AFRS 235).

HIST 241 Rome: Republic and Empire

- 4 hours
- Fulfills: Human Behavior, Historical

A survey of the Roman Republic and Empire, concentrating on the social and economic background of Rome's rise and fall as well as on the military and political aspects of expansion and decline. Special emphasis on the Punic and Macedonian Wars, civil war and the end of Republic, Roman influence on France and Britian, Christianity in the imperial period, and Roman interaction with the Germans. Offered alternate years.

HIST 242 Medieval History

- 4 hours
- Fulfills: Human Behavior—Social Science Methods, Historical

An introduction to medieval European history from the dissolution of the Roman Empire to the end of the Great Schism. The class focuses on western Europe, but pays close attention to its encounters with the Muslim east and the Viking north. Special emphasis is given to the flowering of medieval culture (monasteries, mystics, villages, and universities) as well as the crises of the period (crusades, heresy, and inquisition, Hundred Years' War, and the Black Death). Offered alternate years.

HIST 243 Christianity and Islam: Encounters and Perceptions, 632-1683

- 4 hours
- Fulfills: Human Behavior, Historical

This course will investigate the many varied contacts between Christians and Muslims, as well as the changing perceptions and attitudes each group had of the other, from the death of Muhammad (632) to the Battle of Vienna (1683). Analysis of these interactions will focus on distinct epochs and events including: immediate Christian responses to the rise of Islam; the relationships among the Carolingians, Umayyads, and Abbasids; convivencia on the Iberian Peninsula in the 9th-11th centuries; the Crusades; intellectual and commercial interaction in the 12th century; Europe and the rise of the Ottoman Empire; and Renaissance and Reformation perceptions of Islam. This course will demonstrate how specific historical contexts influenced religious interactions, military encounters, and economic and cultural exchanges, as well as perceptions of the other.
HIST 250 Rulers, Reform, and Revolution: The History of Early Modern Britain

- 4 hours
- Fulfills: Historical, Human Behavior

This class covers two centuries of dramatic change in Tudor-Stuart England. Encompassing the period from 1485 to 1689, the course considers the political, social, and religious history of Great Britain, during a period in which the monarchs in the south attempted to expand their control over the entire territory; the official religion of the land changed with surprising frequency; and the country eventually fell into civil war and revolution. In this survey course, students will be introduced to the major trends, characters and events of this period, examining them in depth via a variety of primary sources, such as letters, journals, and legal documents.

HIST 254 Russian History

- 4 hours
- Fulfills: Human Behavior, Intercultural, Historical

A general survey of Russian-Soviet history from the founding of Kievan Rus in 862 to the present day. Special emphasis given to the topic of empire, including interactions between people on the periphery and the core, the methods Russian/Soviet rulers used to expand and control territories and peoples, and how this changed over time.

HIST 256 Scandinavian Immigration History

- 4 hours
- Fulfills: Human Behavior, Historical, Intercultural

A study of the history of immigrants to the United States from Norway, Sweden, Denmark, Finland, and Iceland, and their descendants. Drawing on the rich ethnic resources of Luther College and Vesterheim museums, this course examines the nature of the immigration experience and the development within immigrant communities of a sense of old world ethnicity combined with a rising U.S. nationalism. Offered alternate years.

HIST 262 Everybody Loves Gandhi

- 4 hours
- Fulfills: Historical, Human Behavior

M. K. Gandhi remains the Indian most indelibly associated with India, one of the most frequently-quoted thinkers of all time, and one of the most important figures in developing the theory and practice of non-violent resistance. However, Gandhi’s ideas and philosophy have managed to become detached from the historical context in which they were created, and indeed from the human being who created them. This course examines Gandhi’s life, political positions, and political legacies in India and globally, in an effort to re-evaluate his achievements and failures, to place his life within the broader historical context of India in the early twentieth century, and to consider the reasons why some people, since his death, have variously beatified and demonized the man and his ideas.
HIST 271 African Diaspora

☐ 4 hours
☑ Fulfills: Human Behavior—Social Science Methods, Historical, Intercultural

This course explores the global experiences of people of African descent. Students will study the human experiences of Africans in the Indian Ocean world, the trans-Saharan trade and the Trans-Atlantic slave trade. Geographical areas include Asia, the Caribbean, and Latin America. Particular attention will be given to the web of interrelated histories, social dynamics, political, and economic processes affecting and reflecting world cultures and histories. (Same as AFRS 271)

HIST 290 Gender and Women's History

☐ 4 hours
☑ Fulfills: Human Behavior—Social Science Methods, Historical

Faculty teaching this course will focus on the history of gender within their own period of expertise. The course will examine such gender questions as: Why and how should we study the history of gender? What do gender roles from the past tell us about our own gender experience? How do the histories of men and women as gendered persons intersect? The course will focus on these questions as they are related to the history of work, family, politics, and social behavior for the particular period and nation the instructor selects. (Same as WGST 290)

HIST 291 Environmental History

☐ 4 hours
☑ Fulfills: Human Behavior—Social Science Methods, Natural World—Nonlab, Historical, Intercultural

This course introduces students to the field of environmental history. Students will examine the ways in which humans, plants, animals, and microbiota have acted as agents in the history of the world. The course emphasizes historical developments after 1300 and especially investigates the roles of science, colonialism, capitalism, and the state in changing the physical state of the environment and the ways humans understand their surroundings. Offered alternate years.

HIST 298 The Historian's Craft

☐ 4 hours
☑ Fulfills: Human Behavior—Social Science Methods
☑ Prerequisites: PAID 111, 112 or transfer equivalents

This class introduces students to the study of history as an academic discipline. During the semester, students will become familiar with historiography; the scholarly techniques, theories, and principles of historical research. Among other issues, we will consider how historians formulate and compose their accounts of the past. What factors affect the composition of history? What sources do historians use? How do they select, analyze, and present those sources to their readers? Who are those readers, and to what extent do they determine the stories historians tell? What methodologies do historians commonly use in writing historical accounts, and which ones are most effective? Students will find this historiographic knowledge beneficial to junior and senior-level research projects.
HIST 299 Topics in History - Abroad

- 4 hours
- Fulfill: Human Behavior, Historical, Intercultural
- Prerequisites: Sophomore standing

In-depth study of selected topics in history, taught during January term as part of Luther's study abroad offerings. Individual subjects will vary depending on faculty member and location. Possible subjects include: Viking life in Scandinavia and Ireland; reading local history in India; the Holocaust; and the Reformations in Europe.

HIST 321 Topics in U.S. History

- 4 hours
- Fulfill: Human Behavior—Social Science Methods
- Prerequisites: PAID 112 or the equivalent.

In-depth study of a selected topic in U.S. history. Introduction in this course will require students to read and assess monographs written by prominent historians related to the topic. Students will write an eight-to-ten-page research paper on a subject linked to the selected topic. Topics may include but are not limited to: Revolutionary America, disease in the American past, history of the American family, U.S. immigration history, the Vietnam War.

HIST 331 Topics in African American History

- 4 hours
- Fulfill: Historical, Human Behavior—Social Science Methods
- Prerequisites: PAID 112 or the equivalent

In-depth study of a selected topic in African American history. Instruction in this course will require students to read and access monographs written by prominent historians related to the topic. This course will require intensive engagement with primary and secondary sources in writing. Topics may include but are not limited to: Black Family History; Black Urban History; The Hip Hop Generation, 1975-2015.

HIST 348 Vikings in History

- 4 hours
- Fulfill: Human Behavior—Social Science Methods, Historical
- Prerequisites: PAID 112 or the equivalent

This course covers the "Viking Era," approximately 780 - 1070 CE. It will examine Viking society, religion and mythology, social structure, maritime technology and shipbuilding, political developments, literature and arts, and Viking expansion.

HIST 351 Topics in European History

- 4 hours
- Fulfill: Human Behavior, Historical
- Prerequisites: PAID 112 or equivalent
In-depth study of selected topics in European history, covering such themes as economic, social, political, intellectual, and military history. Possible subjects include: the Carolingians; medieval mystics; the Black Death; the Dutch Golden Age; Islam and Christianity: historical encounters; the history of Spain; the Age of Scientific Revolution and Enlightenment; the French Revolution and Napoleon; British History (different periods depending on instructor); Hitler and Nazi Germany.

HIST 352 Scandinavia and the Baltic

- 4 hours
- Fulfills: Human Behavior, Historical, Intercultural
- Prerequisites: PAID 112 or the equivalent.

A survey of Scandinavian and Baltic history (including Finland and Iceland), beginning with the Viking age and ending with the current status of the welfare state in the relevant countries. Special emphasis on the Great Power periods of Denmark and Sweden in the 16th and the 17th centuries, and on the emergence of Norwegian and Finnish national movements in the 18th and 19th centuries. Discussion as well of current political and economic issues in Scandinavia. Offered alternate years.

HIST 355 The Reformation in Renaissance Europe

- 4 hours
- Fulfills: Human Behavior—Social Science Methods, Historical, Religion
- Prerequisites: PAID 112 or the equivalent.

An in-depth analysis of the various elements of the Protestant and Catholic Reformations in the context of Renaissance Europe. The focus is on the traditions, beliefs, values and theologies of the Christian religious reformation and the influences on that reformation from the many cross-cultural currents in the sixteenth century, in particular the ideas and methods promoted by the Renaissance thinkers. The course will also include various aspects of social, economic, and political history, as part of the effort to contextualize the reformers' ideas, as well as their impact across society. Offered alternate years.

HIST 361 Topics in East Asian History

- 4 hours
- Fulfills: Human Behavior—Social Science Methods, Historical
- Prerequisites: PAID 112 or the equivalent.

In-depth study of a selected topic in East Asian history. Topics may cover the whole history of a particular country or may focus on a more limited time period in that country's history. Topics may also investigate diplomatic, economic, or cultural interactions between countries or explore themes common to multiple East Asian states. Offered alternate years.

HIST 362 Topics in South Asian History

- 4 hours
- Fulfills: Human Behavior—Social Science Methods, Historical
- Prerequisites: PAID 112 or the equivalent.
In-depth study of a selected topic in South Asian history. Topics may cover the whole history of a particular country or may focus on a more limited time period in that country's history. Topics may also investigate diplomatic, economic, or cultural interactions between countries or explore themes common to multiple South Asian states.

HIST 371 Topics in African History

- 4 hours
- Fulfills: Human Behavior—Social Science Methods, Historical
- Prerequisites: PAID 112 or the equivalent.

In-depth study of a selected topic in African history. Instruction in this course will require students to read and assess monographs by African historians on the topic. Topics may include but are not limited to apartheid in South Africa and Zimbabwe, decolonization, nationalism, environmental history of sub-Saharan Africa. (Same as AFRS 371)

HIST 391 Topics in Africana History

- 4 hours
- Fulfills: Historical, Human Behavior—Social Science Methods, Intercultural
- Prerequisites: PAID 112 or the equivalent

In-depth study of a selected topic in Africana history, emphasizing links between the African continent and the African diaspora. Instruction in the course will require students to read and assess monographs written by prominent historians related to the topic. This course will require intensive engagement with primary and secondary sources in writing. AFRS 391/HIST 391 explores how people of African descent on the continent and in the diaspora interacted with each other and with European colonial powers. The course explores interactions across empire and national boundaries as well as between different cultural groups. Topics may include but are not limited to: Comparative Slavery, Pan-Africanism, Black Internationalism.

HIST 485 Junior-Senior Seminar

- 4 hours
- Prerequisites: HIST 298 and 16 credits in history.

A detailed study of specialized topics in African, Asian, European or U.S. history depending on the instructor. Selections of topics may also focus on themes and ideas that transcend national boundaries. Students will engage in original research; case studies have a strong emphasis on historical writings.

HIST 490 Senior Project

- 2 hours

Projects build upon students’ previous experience with scholarly research and include both a substantial piece of writing as well as an oral presentation of the findings. Senior projects will be written under the direction of the faculty member most appropriate to the research topic. Each student will make individual arrangements with that professor.
International Business

Ramona Nelson (Economics and Business department head and program director), David Thompson (Modern Languages, Literatures and Linguistics department head and program director)

The international business minor is multidisciplinary, requiring language proficiency, completion of designated accounting, economics and management courses, and an international study experience.

Required for a minor: ECON 130, 248, and 262 or 362; ACCTG 150; MGT 360; a foreign language phonetics/conversation or business language course; an additional foreign language course at the 300 level or above; and a language immersion experience.

Language immersion experience: a minimum of 12 weeks of academic study in a country where the official language is the student’s language of study. In addition, the academic courses must be taught in the student’s language of study. Students must obtain the language section head’s pre-approval of the study abroad program.

Only two of the six courses in the minor may also satisfy the requirements of either the accounting (ACCTG 150 and ECON 130), management (ACCTG 150 and ECON 130), or economics major (ECON 130 and 248). Students pursuing a minor in international business cannot use MGT 360 to satisfy a management major elective course requirement.

The ACCTG 150 prerequisite is ACCTG 110 or the equivalent, or transcript evidence of a high school accounting course.

Because of duplication of courses, students will not be allowed to complete both a management minor and an international business minor.

Students with a language minor and international business minor cannot use a phonetics/conversation or business language course to satisfy requirements in both minors.

Students will be allowed to satisfy the MGT 360 course requirement with a suitable, pre-approved transfer course completed during a semester study abroad program.

International students for whom English is a second language may petition in writing for a waiver of the minor’s foreign language immersion requirement if they intend to minor in their first language. Native-speaker proficiency does not count for course credit; proficiency in the language, determined by appropriate testing, waives the foreign language but does not earn course credit. Students should consult with the department of Modern Languages, Literatures and Linguistics for further explanation of a native-speaker’s language proficiency.
International Studies

**Pedro dos Santos** (program director)

The international studies program develops international and intercultural awareness and understanding through multidisciplinary course work. International issues are inherently interdisciplinary, and international studies majors specialize in understanding how the various methods of inquiry and fields of disciplinary knowledge combine to address issues in the international arena. The international studies major is structured to give equal weight to three essential elements in this interdisciplinary understanding: foundations, global perspectives and regional focus. During the core coursework, students completing the major identify an individual theme, which they develop and refine as a focus for study in later courses and study abroad.

**Required for a major:** Eleven courses, study abroad, foreign language, and a senior project, which is required even for those students completing a second major. The courses are divided into three groups:

1. **Foundation courses:** ANTH 101, ECON 130, and POLS 132; IS 230 and 485
2. **Global Perspectives** (three courses)
3. **Regional Focus** (three courses)

Of the six global perspectives and regional focus courses required for the major, students may count no more than two 100-level on-campus courses and must take at least two courses numbered 300 or above. No more than two courses counting toward another major or minor, excluding foundation courses, may be applied to the IS major. Writing requirement completed with IS 485.

**Requirements for a minor:** Study abroad and seven courses that consist of: two of the three foundation courses (ANTH 101, ECON 130, POLS 132); IS 230 and 485; 3 additional courses selected from one of the following plans:

- Plan 1 (Global Perspectives): three courses from this category.
- Plan 2 (Regional Focus): students select a geographical region and take three courses in that area.

At least two of the three courses within the selected plan must be at the 200 level or above. No more than two courses from other majors or minors, excluding foundation courses, can count toward the IS minor.

**IS Plan of Study:** The major and the minor are built around an international theme that students identify during the IS 230 course. While taking the foundation courses and IS 230, each student identifies an area of study and topic of specific interest. Working with the director, the student develops a plan of study that guides course selection and reflects intentional connections between courses.

Students minoring in an areas studies program (such as Asian Studies, Russian Studies, Nordic...
Studies), must secure approval of the International Studies board to minor in International Studies Plan 2, with a focus on the same region.

**Study Abroad:** For majors, at least a full semester of study abroad in their selected geographical region of study. The content of the study abroad courses should be taught from the perspective of the host country or region. Students are advised to take at least one course focused on the region’s contemporary situation. At a minimum, students must have their major approved and complete the three foundation courses and IS 230 prior to studying abroad. For the minor, students are required to take a minimum of one course abroad during a January Term, semester, or summer and are encouraged to select a course and region (if on plan 2) that fulfill one of the minor requirements listed above.

**Foreign Language:** For majors, the minimum language requirement is one course beyond the Luther College requirement. If a student elects to take a language of the host country, the student is expected to take at least one semester of that language while studying abroad. If English is the principal language of the host country, a student must either take a different language spoken in the host country or an additional semester of language at Luther. There is no language requirement for the minor.

**Global Perspectives Courses:** Approved courses taught on-campus are listed below. Additional courses, including special topics courses of appropriate content, may be approved by the international studies director. Study abroad courses may also fulfill this requirement. A student will take no more than two courses from one department.

ANTH 103, 104, 203, 205, 208, 305; ART 121; COMS 350 (COMS 130 prerequisite may be waived with instructor permission); DAN 351; ECON 262, 362; EPL 450; FCUL 142; HIST 126; LING 131, 241; MGT 360; MUS 245, 248; POLS 242, 335, 363; REL 250, SOC 453, 468; THE 351, 352, and PAID 450 courses upon approval.

**Regional Focus Courses:** Majors select a geographical region and take one course from each of the three categories in that region: 1) history, social science or science; 2) language; and 3) culture: religion, literature, and fine arts. Minors with a regional focus will take no more than two courses from one category. Approved courses taught on campus are listed below. Additional courses, including special topics courses of appropriate content, may be approved by the international studies director. Study abroad courses may also fulfill this requirement.

1. **Sub-Saharan Africa**
   - History: HIST 171, 172, 337, 371
   - Language: Any language spoken in the study abroad host country, preferably taken while studying abroad
   - Culture: ENG 147, 240; FREN 464; REL 256, 257

2. **South and East Asia**
   - History: HIST 161, 162, 361, 362; POLS 339
   - Language: Any language spoken in the study abroad host country, preferably taken while studying abroad
   - Culture: FCUL 242, REL 256, 261, 262, 362

3. **Latin America and Caribbean**
   - History: HIST 271, 239
   - Language: Any language spoken in the study abroad host country, preferably taken while studying abroad
   - Culture: ENG 240; SPAN 346, 460, 470

4. **Middle East and Northern Africa**
International Studies Courses

IS 135 Exploring Britain

☐ 4 hours

A year-long course in which Nottingham students travel to a variety of historical and cultural sites. Trips include approximately six weekend field trips to sites that may include London, Stratford-upon-Avon, the Lake District, Northern Ireland, Scotland, and Wales. Course work will also include research, reading, presentations, and discussion pertaining to each trip.

IS 230 Introduction to International Studies

☐ 4 hours
☑ Fulfills: Intercultural
☐ Prerequisites: At least two of the following: ANTH 101, ECON 130, POLS 132

An introduction to the field of International Studies, focusing on global and geographical literacy and using multiple disciplinary approaches to analyze such issues as war and peace, environmental sustainability, economic development, post-colonialism, world religions, and cultural identity.

IS 450 Global Citizenship

☐ 4 hours

This course is designed for students who have lived or spent a semester or more studying abroad. It will enable students to reflect on how their immersion in a foreign culture has affected their values and vocation. By combining practical experiences with scholarly and artistic works, students will a) reflect on the role of culture, b) think about the articulation and application of values in the public sphere, c) explore the relation among politics, economics, culture, and society, and d) develop their own ethical perspectives as "global citizens." There will be a heavy emphasis on writing, group work, and oral presentations.
IS 485 International Studies Seminar

- 4 hours
- Prerequisites: IS 230 and junior standing

An advanced-level research and discussion course focusing on global issues as a culmination of the International Studies major or minor. Students apply multiple disciplinary perspectives to projects related to their individual IS programs and to the global themes identified in their IS major or minor plan of study.

IS 490 Senior Project

- 1 hour

A year-long independent research project. Applications are completed on the "Honors Program" form available at the registrar’s office, requiring the signatures of a faculty supervisor, the department head, the honors program director, and the registrar. Interdisciplinary projects require the signatures of two faculty supervisors. The project must be completed by the due date for senior projects. The completed project is evaluated by a review committee consisting of the faculty supervisor, another faculty member from the major department, and a faculty member from outside the major department. All projects must be presented publicly. Only projects awarded an "A- or A" qualify for "department honors" designation. The honors project fulfills the all-college senior project requirement.
Intersections

*Terry Sparkes* (program director)

A full description of Scholars program opportunities is included in the Academic Information section at the beginning of this catalog. The following listing includes only curricular offerings. For information see the program director.

The Scholars program curriculum, *Intersections: Seeking the Common Good*, provides highly motivated students an opportunity to engage in a series of seminars and colloquia focused on in-depth liberal arts study of the great ideas, issues, and challenges of the human quest for the common good. The Intersections curriculum offers students intellectual depth and connections by emphasizing both historical and cross-disciplinary inquiry into classic questions and texts, shaped in explicit connection to the goal of preparing students to understand, confront, and engage in service to the common good. It emphasizes the value of "intersections"—of people, cultures, approaches, methods—and the challenges of inquiry itself as part of each student's (and citizen's) intellectual journey.

To enroll in Intersections courses beyond the first-year level, students must apply for admission to the Scholars program. The application process is open to all students. Applications will be evaluated by the Honors Advisory Committee; continuation in the program is contingent on successful progress in the courses. Students who earn a minimum of 16 credit hours, including at least three seminars and at least one research or project-based course/experience, will receive a certificate of Scholars Distinction.

Intersections Courses

**INTS 130 Scholars Colloquium**

- 1 hour

This is a 1-credit course that provides small-group discussions of readings, of local or national current events, or of the amazing cultural and intellectual events available on campus. Some sections of the colloquium focus on a particular theme for the semester; others range more broadly to include attendance at such events as lectures (by Luther faculty members and visiting scholars and dignitaries), concerts (ranging from classical to jazz to contemporary), theatre and dance performances, poetry readings, and art shows. The various sections of Scholars Colloquium are taught by faculty members from across the curriculum.

**INTS 205 Religion and Modernity**

- 4 hours
- Fulfills: Religion, Historical

Are people less religious today than they were five hundred years ago? Has religion lost much of
the influence it once had prior to modernity, or does modernity lead less to religious decline and more to changes in how people understand and practice religion? Why do these questions matter in the modern world, or do they? This Intersections seminar examines the interdisciplinary debate and the various theories concerning the causes of religious decline and change in the modern West. We will discuss those elements of modernity and modernization that are often viewed as culprits in secularization, including industrialization, urbanization, science, technology, economic prosperity, and religious pluralism. And we will grapple with the larger questions of what kind of distinction can be made within the West between a "secular Europe" and a "religious America," and how the West differs from the Global South in terms of the influence of religion. [Rel, Hist]

INTS 210 It's All Relative

 соверш. 4 hours
✓ Fulfills: Human Expression—Primary Texts

We usually hear the phrase "it's all relative" used as a challenge to the stability of moral truths and the fixity of human understanding. While relativism can be a symptom of intellectual laziness, there is also a long history of thinkers who take relativism seriously, arguing that theorizing the differences in human experience is the only way to truly understand our world. In this course we'll trace the intellectual history of relativism as a serious response to fundamental questions about the limits of human knowledge in the areas of natural science, morality, language, and politics. From the master rhetoricians and sophists of ancient Greece to contemporary post-modernists, this course invites students to critically assess the consequences, both ethical and philosophical, of a relativistic worldview.

INTS 302 Hot Or Not? the Challenge of Global Climate Change

 соверш. 4 hours

The reality of human-caused global warming is no longer seriously debated, but even with widespread acceptance of this fact, we are still left with an enormously challenging question: What are we supposed to do about it? In this course we will examine what lies behind the scientific, economic, political, technological, and ethical issues that make a simple solution to climate change very difficult to attain. Through our discussion of climate change, we will also address broader societal questions such as: How do we make decisions in the face of unavoidable uncertainties, both scientific and economic? How do we reconcile the seemingly competing goals of human, environmental, and economic well-being? To what extent can (and should) humans manage the natural environment?

INTS 305 What it is to be human: Of Gods, Ghosts and Golems

 соверш. 4 hours
✓ Fulfills: Human Expression—Primary Texts

What it is to be human: of Gods, Ghosts, and Golems. Gods, ghosts, golems, angels, fairies, vampires, werewolves, zombies, human mutants, artificial humanoids, space aliens - there is a long tradition of stories about non-human intelligent beings that interact with the human species. Many mythologies include these supernatural characters, and not just modern fiction is full of encounters between normal humans and these human-like creatures. As almost all of these non-human actors are either imaginary or (in the case of aliens, robots, and AIs) highly speculative, one must ask why there is this fascination with beings that are somehow like us, but different, a
fascination that stretches over thousands of years. This course explores the rich tradition of non-human beings in literature, art, movies, and computer games, in pursuit of the question what it is to be human. Comparing ourselves with these human-like others will enable us to define the limitations and possibilities of human existence, how we experience them in the real world, and why we fantasize about un-human, post-human, and trans-human life.

INTS 306 Our Dreams and Fears

☐ 4 hours
☑️ Fulfills: Historical, Human Expression—Primary Texts

When defining and realizing the "common good", we are guided by our dreams and fears, on an individual level just as much as on a societal level. Literally and figuratively, dreams and fears are at the core of our humanness. They shape our actions and define our vision for the future. They can push us forward or hold us back. We can pursue them or run away from them. Dreams can turn into hopes, desires, and obsessions; fears into aversions, hatred, and determination. The guiding question for this course will be: How do dreams and fears influence and shape human actions towards the common good? To find answers, we will look at dreams and fears from various angles, such as history, philosophy, psychology, sociology, political science, and art, with a focus on examples in modern Western society such as utopian/dystopian fiction, presidential election campaigns, and the notion of "the American Dream."
Italian Courses

ITAL 100 Basic Italian (Italy Semester)

2 hours

A working knowledge of the Italian language will allow you to move around the country more confidently and is helpful when working on your independent research project at the end of the semester. This intensive language course offered during the first three weeks of the program includes classroom study and homework aimed at acquiring skill in conversational Italian, which you will have opportunity to practice and improve throughout the semester. Requires admission into Earth and Environment in Italy program.

ITAL 101 Beginning Italian I

4 hours

A practical approach to the Italian language, in which the student begins speaking Italian from the first day and completes the year with a basic ability to speak, write, read, and understand Italian.

ITAL 102 Beginning Italian II

4 hours

Prerequisites: ITAL 101.

A practical approach to the Italian language, in which the student begins speaking Italian from the first day and completes the year with a basic ability to speak, write, read, and understand Italian.
The interdisciplinary minor in journalism is intended for students of any major who are interested in preparation in nonfiction writing, digital media, or media production. Coupled with majors in the sciences, environmental studies, art, business, or other fields, the journalism minor enables students to specialize as a reporter in their chosen major field.

Training that applies particularly to the work of journalism is to be had in many courses: in the research and writing done in courses in communication studies, English, economics, history, literature, and political science, to name a few; more specific to journalism are internships available in all areas of journalism and communication, and the valuable experience to be gained from working for the campus newspaper, the college news bureau, or the college radio station.

**Required for a minor:** 21 credit hours, including COMS 133, ENG 211, two semesters of JOUR 100 (practicum), JOUR 380 (minimum 1 credit hour), and any three approved elective courses selected from:

- ART 118, 206;
- COMS 247, 258, 347, 358, 463;
- ENG 210, 213, 231, 314
- COMS 270, POLS 355, POLS 356 (only one course can be selected from this group)

A student can take no more than two of the elective courses listed above from any one department. With the exception of COMS 133, communication studies majors wishing to minor in Journalism may not apply elective courses to both the major and the minor. English majors wishing to minor in Journalism may not use these courses to fulfill the “writing emphasis” track in English major. Students may not minor in both the English writing minor and the Journalism minor.

Courses such as POLS 130, ECON 130, and MATH 115 are also recommended for those entering the field of journalism, because of the importance of these subjects to understanding of the news.

**Journalism Courses**

**JOUR 100 News Practicum**

ø 0 hours

This practicum consists of one full semester of work at either CHIPS or KWLC, as regular staff members. Students will participate fully in the gathering, production, or editing of news stories. Students may use two semesters at CHIPS, or two semesters at KWLC, or a combination of the two, to fulfill the requirement for the Journalism minor.
JOUR 380 Internship

 giết 1, 2, or 4 hours

 Supervised work experience at an off-campus news organization.
Latin

Philip Freeman (department head)

Knowledge of Latin opens the way not only to the large and influential body of Roman literature but also to a continuing tradition of Latin literature that extends through the Middle Ages, Renaissance, and into the modern era. Coursework in Latin provides invaluable background for the study of law, theology, medieval literature and history, Romance languages and literatures, linguistics, English literature, art, music, and the development of Christianity.

Latin Courses

LAT 101 Elementary Latin I

⊙ 4 hours

The first course of a two-semester sequence emphasizing the basic grammar, vocabulary, and syntax of Latin.

LAT 102 Elementary Latin II

⊙ 4 hours

Prerequisites: LAT 101

The second course of a two-semester sequence which continues the study of ancient Latin grammar, vocabulary, and syntax. Passages are drawn from a variety of Latin works.

LAT 201 Intermediate Latin

⊙ 4 hours

✓ Fulfills: Human Expression—Primary Texts

Prerequisites: LAT 102

A review of Latin grammar, vocabulary, and syntax, followed by readings from a variety of authors and works.

LAT 202 Readings in Latin

⊙ 4 hours

✓ Fulfills: Human Expression—Primary Texts

Prerequisites: LAT 201

Fourth-semester readings from one or more Latin authors or works, such as Cicero, Catullus, Virgil, and Medieval Latin.
LAT 301 Advanced Latin Prose

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: LAT 202

Prose readings chosen from a single Latin author or from a variety of authors within a particular genre. Authors and works may include Cicero, Livy, Tacitus, early Christian literature, Medieval Latin or others. May be repeated for credit when topics vary.

LAT 302 Advanced Latin Poetry

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: LAT 202

Poetry readings chosen from a single Latin author or form a variety of authors within a particular genre. Authors and works may include Virgil, Horace, Ovid, or others. May be repeated for credit when topics vary.

LAT 490 Senior Project

- 4 hours
Library and Information Studies

**Lindy Moeller** (department head)

Courses offered through the Library and Information Studies department focus on how people and organizations find and use information. Such courses address a variety of topics related to libraries, the research process, and the discovery, organization, and stewardship of information.
Linguistics

David Thompson (department head), Laurie Zaring (program director)

Whenever we utter a word, no matter how mundane, we engage in a remarkable and (to the best of our knowledge) uniquely human behavior. The ability to use language is something that should amaze us, given the fact that language represents the most complex system of communication that we know of. Linguistics is the study of this system - what its pieces are, how they combine, and how we acquire this system, as well as how we use it to express who we are socially and culturally.

The highly interdisciplinary nature of linguistics makes it an ideal discipline for study at a liberal arts college. Linguistics offers valuable insights to students of other social sciences such as psychology, sociology, anthropology, and social work. Students of English and classical and foreign languages also find knowledge about the structure, learning, and cross-cultural variation of language extremely helpful. Political science and business students benefit from insights on the politics of language, and physics, biology, and computer science students draw on linguistics to understand the physical properties of speech, neurolinguistics, and artificial intelligence.

The linguistics minor involves one required course (LING 131), two of three core linguistics courses (LING 133, 220, or 235), two electives, and a one-credit directed research capstone course (LING 350) taken after or during completion of the fifth course for the minor. Students interested in pursuing an individualized interdisciplinary major in linguistics should contact the head of the Linguistics section.

**Required for a minor:** 21 credit hours, including LING 131; two of LING 133, 220, or 235; two other linguistics courses or one other linguistics course and one of the following courses: ANTH 103, PHIL 110, MATH 220, CS 260; and LING 350.

**Linguistics Courses**

**LING 131 Introduction to Linguistics**

- 4 hours
- Fulfills: Human Behavior

Every time we utter a word, no matter how mundane, we engage in a remarkable and, to the best of our knowledge, uniquely human behavior. This course explores the human capacity to acquire and use language. Topics include the nature of dialectal differences and the sociolinguistic factors which determine them, the ways in which languages vary and the importance of linguistic diversity, and the nature of the knowledge of language and how it relates to child language acquisition and other aspects of human cognition.

**LING 133 Introduction to Syntax**

- 4 hours
The syntax of natural languages is a beautifully complex system of subconscious rules. What are they like? This course enables students to engage in building a theory of syntax. After an introduction to the basic tools of syntactic analysis, students tackle increasingly complex sets of data from English (and, occasionally, other languages), proposing and testing competing hypotheses against each other and refining them in light of new data. By the end of the course, students are able to identify syntactic puzzles in English or another language of their choice, propose analyses in the theory they have developed, and present their research in written and oral form.

LING 220 Phonetics and Phonology

- 4 hours
- Fulfills: Human Behavior

When listening to the sounds of language, humans don’t function like tape recorders; we overlook distinctions to which mechanical recording devices are sensitive, and we “hear” contrasts which are objectively not there. What we (think we) hear is determined by the sound system of the language we speak. This course examines the sound systems of human languages, focusing on how speech sounds are produced and perceived, and how these units come to be organized into a systematic network in the minds of speakers of languages.

LING 235 Words

- 4 hours
- Fulfills: Human Behavior

This course examines what a word is: how we know one when we see one, how we assemble them from smaller pieces, and what meanings we use them to express. Drawing on examples from a wide range of languages, we develop an appreciation not only for how languages vary but for what all of this can tell us about the nature of the human mind.

LING 250 Linguistic Pursuits

- 4 hours
- Fulfills: Human Behavior

What sorts of issues and ideas do linguists apply their knowledge of language to? This course provides an in-depth examination of one of these topics. The focus will vary each time and may include topics such as second language acquisition, language change, linguistic universals, and deciphering the grammar of an unfamiliar language. Students will gain significant practice in writing and oral presentation, including a senior project. May be repeated for credit up to three times under three different topics. Offered on a rotating basis.
LING 350 Linguistics Minor Capston

ода 1 hour

A directed research project that serves as the capstone course for the linguistics minor and that is designed to allow students to apply the knowledge gained in the minor to their major field of study.

LING 490 Senior Project

ода 1, 2, or 4 hours
Management

Steve Holland (department head)

The management major courses emphasize the knowledge, skills and values applicable to profit and nonprofit organizations. Students are encouraged to consult with Economics and Business department faculty, the Luther Career Center, and alumni volunteers to discover professional opportunities, design their academic plan, and arrange for business/nonprofit experiences.

**Required for a major:** The foundation courses, which include ECON 130; MGT 150 or MATH 115 or an equivalent statistics course; ACCTG 150; MGT 250; MATH 140 or higher. Other requirements include MGT 240, 351, 352, 353, two management electives numbered above 300, and MGT 490. Writing requirement completed with MGT 351. Students completing more than one major may elect to complete their senior project requirement in a major other than management. Students must achieve at least a C average (2.0 GPA) in the foundation courses. Courses in which grades below C- are earned will not count toward filling the foundation requirements. **These foundation requirements should be completed by the end of the sophomore year.** Management courses numbered above 300 are intended for students with junior standing. Students interested in the management major are expected to have adequate preparation in math. The minimum expectation is strong Algebra II skills with preparation in precalculus or beyond recommended.

The credit hours required for the management major must be earned in regular classroom courses. Credits earned through directed readings, independent study, internships and the senior project may not be counted toward the total hours required for the major.

Students planning to pursue graduate work in management studies are advised to consult a management faculty member to identify coursework in economics, accounting, mathematics, and data science that will strengthen their graduate application.

Students majoring in this area are urged to consider the following courses as electives: COMS 132, SOC 101, POLS 130, PSYC 130. Students planning on graduate study should consider MATH 240, 321, and 322.

**Required for a minor:** ACCTG 150, MGT 240, two courses from MGT 351, 352, 353, and one management elective above 300.

**Required for certification to teach:** Completion of the management major, completion of the secondary education program, and student teaching at the secondary level. See education department for secondary education minor requirements.

**Emphasis in Arts and Sports Management:** A sports management emphasis can be combined with a management major and selected health and physical education courses in consultation with the Health/Physical Education department head. Students interested in careers in arts management will complete a major in art, dance, music or theatre and a minor in management or a major in management and a minor in art, dance, music or theatre.
Management Courses

MGT 120 Personal Finance

4 hours

A survey of the financial decisions encountered in managing personal and family financial affairs. Topics will include budgeting, housing decisions, auto leasing, personal loans and credit card debt, managing risk through home, health, auto and life insurance, legal protection, taxes, investments and savings for retirement.

MGT 150 Statistics

4 hours

Fulfills: Human Behavior—Social Science Methods, Quantitative

A first course in statistics which introduces descriptive and inferential statistical tools as they apply to management, accounting and the social sciences. Students who earn credit for MATH 115 cannot earn credit for MGT 150.

MGT 240 Principles of Management

4 hours

Prerequisites: Sophomore standing

Historical and contemporary approaches to managing people and organizations. Includes assessing, developing, practicing, and applying management competencies, knowledge, and skills.

MGT 250 Data Analysis for Business Decision-Making

4 hours

Prerequisites: ACCTG 150 and sophomore standing

This course is an introduction to business intelligence and analytics, focusing on the extensive use of data analysis to drive business decisions and actions. Areas of emphasis are efficient manipulation of data sets, defining and organizing needed data using data modeling techniques, retrieving and mining data using database tools, using data to create models for analysis, and presenting data effectively for decision-making. The course will utilize current software tools, such as spreadsheets and databases, and will focus on techniques for improving business reporting and data visualization.

MGT 351 Principles of Marketing

4 hours

Prerequisites: Junior standing

A survey course emphasizing the marketing concept, the marketing environment, marketing research, consumer behavior, business-to-business marketing, market segmentation, product strategy, channel strategy, promotional strategy, and pricing strategy. This course has a writing instruction that partially fulfills the writing requirement.
MGT 352 Human Resource Management

4 hours
Prerequisites: Junior standing

Principles involved in managing human resources to promote harmony and coordination within an organization. Consideration of such areas as employee recruitment, placement, development, performance evaluation, and compensation. This course includes writing instruction that partially fulfills the writing requirement.

MGT 353 Financial Management

4 hours
Prerequisites: MGT 150 or MATH 115 ACCTG 150.

Introduction to the two major decisions faced by the finance manager: financing (raising cash) and capital budgeting (investing cash). A focus on cash-flow based decision-making including time value of money, the relationship between risk and return, the cost of capital, capital structure, and leverage. This course includes writing instruction that partially fulfills the writing requirement.

MGT 360 International Business Management

4 hours
Fulfills: Intercultural
Prerequisites: Junior standing

This course seeks to acquaint the student with the theories, environmental factors, procedures, and terminology that combine to make international business management more challenging than its domestic counterpart. Topics covered include theories of trade, modes of entry into foreign markets, international organizations, export procedures, foreign currency exchange, the international monetary system and the effects of culture, politics, laws, and geography on cross border transactions.

MGT 361 Business Law: the Legal Environment of Business

4 hours
Prerequisites: Junior standing

A study of the sources of law and their application to contracts, sales, negotiable instruments, agency, business organization and government regulation. Emphasis on critical thinking including legal and ethical considerations in making business decisions.

MGT 362 Entrepreneurship

4 hours
Prerequisites: Junior standing
Emphasis on contemporary approaches to entrepreneurship, including the Lean Startup methodology and the Business Model Canvas. Entrepreneurship is presented as an iterative process, starting with opportunity recognition and continuing with steps necessary to allow for market validation and pivots. Students explore methodologies for starting and growing sustainable business models under conditions of extreme uncertainty, as well as methodologies for innovating existing business models. Students complete application assignments to reinforce concepts presented in the course. Students also complete a personal startup plan for a business idea. The course includes guest speakers who share their entrepreneurial experiences, providing students with a deeper understanding and broader perspective of entrepreneurship.

MGT 363 Negotiations and Conflict Resolution

- 4 hours
- Fulfills: Human Behavior
- Prerequisites: Junior standing

A seminar in the concepts and fundamentals of negotiating and resolving conflicts. Students will investigate the necessary skills to be successful negotiators. Alternative dispute resolution systems will be studied as a means of resolving interpersonal and intergroup conflicts. Emphasis will be on the basic management fundamentals necessary for effective conflict resolution using problems frequently encountered by individuals in their personal and professional encounters.

MGT 364 Sales, Advertising, and Promotion

- 4 hours
- Prerequisites: Take Mgt-351

An introduction to professional salesmanship emphasizing its relationship to marketing concepts. Case studies and demonstrations are used throughout the course.

MGT 365 Investments

- 4 hours
- Prerequisites: ECON 130, ACCTG 150, MATH 115 or MGT 150, MGT 250 or 260, MATH 140 or above

Analysis of the investment environment, instruments, markets, and institutional aids for purposes of formulating broad personal investment programs.

MGT 366 Creativity and Innovation

- 4 hours
- Prerequisites: Junior standing

Students learn and apply specific creativity and systematic innovation methodologies (lateral thinking, TRIZ, ASIT, etc.) used for generating ideas, modifying existing products, and solving contradictions that block innovation. Students examine the dynamics associated with developing and sustaining organizational cultures that foster innovation and make ideas a central part of work. Other course topics include collaboration, improvisation, rapid iteration/prototyping, design thinking, and open innovation. Students learn to create sustainable competitive advantage through entrepreneurial and intrapreneurial innovation.
MGT 367 Organizational Behavior

4 hours

Prerequisites: MGT 240 and junior standing

First, individual differences (e.g., personality, perceptions, ethics, motivation) are introduced from a social psychology perspective. Next, how these differences impact human interactions (e.g., communication, teams, leadership conflict) are explored. Finally, these interactions are discussed in an organizational context (e.g., job design, organizational structure, organizational culture). For each topic foundational terminology, principles and theories, and critical analysis and application are stressed.

MGT 368 Electronic Commerce

4 hours

Prerequisites: MGT 351 and junior standing

Emerging online technologies have revolutionized the buying and selling of goods and services in the marketplace. The course is designed to challenge students to explore the realities and implications of e-commerce from a manager’s perspective. This course does not assume the student has any previous electronic commerce management experience. Topics include: internet revenue models and their execution on the web, payment acceptance and security issues, designing electronic storefronts, planning for electronic commerce, and the legal and ethical challenges of electronic commerce.

MGT 370 E-Marketing

4 hours

Prerequisites: MGT 351 and junior standing

The internet and other information technologies have created many interesting and innovative ways to improve customer value since its inception in 1969. The course will examine the evolution of the media and examine various marketing strategies including web sites for marketing communications, consumer behavior insights based on offline and online data combination, inventory optimization through CRM-SCM integration, and the focus of ROI and associated performance metrics in today’s business environment. Course will also examine high readership blogs, social media networks and online communities how they have enabled consumers with growing voice in the control of content in marketing communications and product quality. The course will begin on campus examining these concepts and other e-marketing strategy. The second half of the class will take place in Chicago networking with marketing professionals from a variety of industries and organizations. Course is designed to satisfy J-II and/or Management elective requirements.
MGT 371 Project Management

☐ 4 hours
☐ Prerequisites: MGT 250 and junior standing

This course provides an introduction to the core concepts, techniques, and principles of project management required to successfully meet an organization's goals and objectives, with particular emphasis on Information technology (IT) projects. The course explores the Industry standard Project Management Body of Knowledge (PMBOK) guide and also incorporates learning objectives related to communication, influence, and negotiation, and their relationship to project success.

MGT 490 Senior Project

☐ 1 hour
Mathematics

Eric Westlund (department head)

The department offers two majors: mathematics and mathematics/statistics. For purposes of advising students, advanced courses may be classified as follows: MATH 253, 351, 452, and 462 are called applied; MATH 365, 454, 456, 459, 471, and 472 are called foundational; and MATH 321, 322, 327, and 328 are called statistical.

Mathematics is an extremely versatile major. Mathematics is both the primary language and the theoretical foundation of modern technology, yet its roots in Western culture are as deep as those of any classical discipline.

Statistics is the science of reasoning from uncertain empirical data. Statisticians build mathematical models to solve problems in business, the natural sciences and the social sciences. The intent of the mathematics/statistics major is to cover the undergraduate mathematics necessary for an understanding of statistics.

Requirements for majors:

Math: Plan I (Theory). MATH 220 and 240; either MATH 454 or 471; CS 150 or 160; and a minimum of three additional courses in the math department numbered 200 or above, including at least one additional from MATH 365, 454, 456, 459, 471, or 472. Writing requirement completed with MATH 220, MATH 240, and MATH 454 or 471.

Math: Plan II (Applications). MATH 220 and MATH 240; either MATH 454 or 471; CS 150 or 160; and four additional courses in the math department numbered 200 or above. Writing requirement completed with MATH 220, MATH 240, and MATH 454 or 471. Only two of MATH 321, 322, 327, and 328 may count towards a mathematics Plan II major.

Math: Plan III (Teaching). A Plan I mathematics major that includes MATH 321, 365, and 471. Complete one of MATH 253, 322, or 351. Writing requirement completed with MATH 220, MATH 240, and MATH 454 or 471. Credit hours of required and elective mathematics courses must total at least 30 hours. See education department for secondary education minor requirements.

Mathematics/Statistics: MATH 220, 240, 253, 321, 322, 327, 328, and CS 150 or 160. MATH 454 is recommended. Writing requirement completed with MATH 220, MATH 240, and MATH 327 or 328. (A student may not major in both mathematics and mathematics/statistics.)

Required for a mathematics minor: At least five courses in mathematics, including MATH 240 and two additional courses numbered 200 or above.

Required for a second teaching area: At least 24 credit hours, including MATH 151, 152, 220, 240, 321, and 365. CS 150 or 160, and EDUC 352 are required. The second teaching area license is offered only in the state of Iowa.
Suggested patterns for majors planning careers in the following areas:

- Graduate study in mathematics: Plan I including MATH 253, 321, 351, 454, 456, 459, 471, 472.
- Actuarial science: A mathematics/statistics major plus ECON 247 and ECON 248, MGT 353 and MGT 365, and courses in computer science.
- Management (accounting, economics): MATH 253, 321, 322, 327, 454.
- Science: MATH 253, 321, 322, 327, 328, 351, 452, 454, 456, 462, 471.

NOTE: Students earning a C or below in MATH 220 or 240 are advised not to take 300+ level courses.

First-Year Placement

The mathematics department placement procedure uses high school records, scores on ACT or SAT tests, and a placement test in mathematics as a basis for a recommendation. MATH 110 and MATH 115 are designed for students who will not be taking calculus. MATH 123 is only for students who major in elementary education. Students who need calculus for their major but also need a review of algebra and trigonometry should take the MATH 140 and 141 sequence. Students with good algebra and trigonometry skills should begin with the traditional Calculus I course, MATH 151. Students who have completed a year of calculus in high school and perform well on the Advanced Placement A/B Exam or the Calculus I portion of the mathematics placement test should start in Calculus II, MATH 152. Students who perform well on the Advanced Placement B/C Exam or the Calculus II portion of the mathematics placement test should start in MATH 220 or 240.

Advanced Placement Credit

- A student will receive credit for MATH 151 with a score of 4 or 5 on the AP Calculus A/B Exam.
- A student will receive credit for MATH 151 and MATH 152 with a score of 4 or 5 on the AP Calculus B/C Exam.
- A student who places into MATH 152 will receive, upon completion of the course with a grade of C or better, Luther College credit for the preceding calculus course, MATH 151 (if credit has not already been awarded through AP or transfer credit).
- A student who places into MATH 240 may petition the head of the mathematics department, upon completion of the course with a grade of C or better, to receive Luther College credit for the preceding calculus course(s) MATH 151 and/or MATH 152 (if credit has not already been awarded through AP or transfer credit). Approval of the petition will depend upon whether the student has previously covered the content of MATH 151 and/or MATH 152.
- A student who achieves a score of 4 or 5 on the AP Statistics Exam will receive credit for MATH 115.

NOTE: AP credit for MATH 115, 151, or 152 satisfies the all-college requirement for quantitative perspective (QUANT).

Mathematics Courses

MATH 110 Mathematics in Our World

Ø 4 hours
Quantitative literacy plays an important role in an increasing number of professional fields, as well as in the daily decision-making of informed citizens in our changing society. This course is designed to improve students’ quantitative reasoning and problem-solving skills by acquainting them with various real-world applications of mathematical reasoning, such as fair division, voting and apportionment, graph theory, probability, statistics, the mathematics of finance, check digits and coding, and geometry. This course is recommended for students who wish to take a non-calculus-based mathematics class as they prepare for their lives as informed members of a larger world. Prerequisite: high school algebra.

MATH 115 Introduction to Statistics

- 4 hours
- Fulfills: Quantitative

The course uses data sets from the social and natural sciences to help students understand and interpret statistical information. Computer software is used to study data from graphical and numerical perspectives. Topics covered include descriptive statistics, correlation, linear regression, contingency tables, probability distributions, sampling methods, confidence intervals, and tests of hypotheses. This class does not count towards the mathematics major or minor or the mathematics/statistics major. Students who earn credit for BIO 256, MGT 150, PSYC 350, or SOC 350 may not earn credit for MATH 115. Prerequisite: high school algebra.

MATH 123 Mathematics for Elementary School Teachers

- 4 hours
- Fulfills: Quantitative

This course provides pre-service K-8 teachers a strong foundation in the mathematics content areas as described in NCTM’s Principles and Standards for School Mathematics. The content standards include: Number and Operations, Algebra, Geometry, and Measurement. This course will engage students in standards-based mathematics learning to prepare them for the pedagogical practices they will learn in EDUC 325. Prerequisite: one year of high school algebra, one year of high school geometry and admission into the teacher education program. Co-requisite: EDUC 325 and 326.

MATH 140 Calculus I with Review, Part A

- 4 hours
- Fulfills: Quantitative

MATH 140 and 141 cover all the material in MATH 151; Calculus I, while concurrently reviewing precalculus material. Algebraic and graphical representations of functions including: polynomial, rational, exponential, and logarithmic; techniques of solving equations and inequalities; modeling with various functions. An introduction to calculus concepts such as instantaneous rates of change: limits; derivatives; continuity; applications of derivatives. Graphing calculator use may be required. Prerequisite: a suggested placement.

MATH 141 Calculus I with Review, Part B
Continuation of topics of MATH 140: trigonometric functions, derivatives, chain rule, the mean value theorem, Riemann sum approximation for integrals, definite integrals, antiderivatives, and applications. Graphing calculator use may be required. (Students who earn credit for MATH 141 may not earn credit for MATH 151.)

MATH 151 Calculus I

- 4 hours
- Fulfills: Quantitative

Topics related to instantaneous rates of change: functions, limits, continuity, derivatives, mean value theorem and applications; antiderivatives and definite integrals. Graphing calculator use may be required. (Students who earn credit for MATH 151 may not earn credit for MATH 140 or 141). Prerequisite: three years of high school mathematics including algebra, trigonometry, and geometry, and a suggested placement.

MATH 152 Calculus II

- 4 hours
- Fulfills: Quantitative
- Prerequisites: MATH 141 or 151, or suggested placement

Applications of the definite integral, techniques of integration, differential equations, power series, Taylor series, and an introduction to computer algebra systems.

MATH 220 Mathematical Reasoning and Writing

- 4 hours
- Fulfills: Quantitative
- Prerequisites: MATH 152

This course introduces students to logic, set theory, and methods of proof. The emphasis will be on learning to write rigorous mathematical proofs. Topics will include induction, functions, equivalence relations, cardinality, combinatorics, and recurrence relations.

MATH 240 Linear Algebra

- 4 hours
- Fulfills: Quantitative
- Prerequisites: MATH 152

Theory, computation, abstraction, and application are blended in this course, giving students a sense of what being a mathematics major is all about. Assignments will include computations to practice new techniques and proofs to deepen conceptual understanding. This course starts by solving systems of linear equations, views matrices as linear transformations between Euclidean spaces of various dimensions, makes connections between algebra and geometry, and then
extends the theory to more general vector spaces. Topics include matrix algebra, vector spaces and subspaces, linear independence, determinants, bases, eigenvalues, eigenvectors, orthogonality, and inner product spaces.

MATH 253 Vector Calculus

☐ 4 hours
☑ Fulfills: Quantitative
☐ Prerequisites: MATH 240

The tools of calculus are developed for real-valued functions of several variables: partial derivatives, tangent planes to surfaces, directional derivatives, gradient, maxima and minima, double and triple integrals, and change of variables. Vector-valued functions are also studied: tangent and normal vectors to curves in space, arc length, vector fields, divergence and curl. The fundamental theorem of calculus is extended to line and surface integrals, resulting in the theorems of Green, Stokes, and Gauss, which have applications to heat conduction, gravity, electricity and magnetism.

MATH 258 Chaotic Dynamical Systems

☐ 4 hours
☑ Fulfills: Quantitative
☐ Prerequisites: MATH 240

Why is it so difficult to make accurate predictions about seemingly chaotic physical systems like weather? This course explores the behavior of nonlinear dynamical systems described by iterated functions. A variety of mathematical methods, including computer modeling, is used to show how small changes in initial conditions can drastically change the future behavior of the system. Topics will include periodic orbits, phase portraits, bifurcations, chaos, symbolic dynamics, fractals, Julia sets, and the Mandelbrot set. Offered alternate years.

MATH 260 Elementary Number Theory

☐ 4 hours
☑ Fulfills: Quantitative
☐ Prerequisites: MATH 220 OR 240

Fibonacci numbers, divisibility theory in the integers, prime numbers, Euclidean algorithm, Diophantine equations, congruences, divisibility tests, Euler’s theorem, public key cryptography. Usually offered in alternate January terms.

MATH 321 Probability and Statistics I

☐ 4 hours
☑ Fulfills: Quantitative
☐ Prerequisites: MATH 152

Axioms and laws of probability, conditional probability, combinatorics, counting techniques, independence, discrete and continuous random variables, mathematical expectation, discrete probability distributions, continuous probability distributions, functions of random variables, joint
probability distributions and random samples, statistics and their distributions, central limit theorem, distribution of a linear combination of random variables.

MATH 322 Probability and Statistics II

4 hours

Fulfills: Quantitative

Prerequisites: MATH 321

Sampling distribution of mean, standard deviation and proportion, theory of estimation, methods of point estimation, hypothesis testing, large and small sample confidence intervals, inferences for means, proportions and variances. Distribution free procedures.

MATH 327 Applied Statistics I

4 hours

Fulfills: Quantitative

Prerequisites: MATH 321, BIO 256, PSYC 350, SOC 350, ECON 242, or MGT 150

Regression Analysis: Least square estimates, simple linear regression, multiple linear regression, hypothesis testing and confidence intervals for linear regression models, prediction intervals, and ANOVA. Model diagnostics including tests of constant variance assumptions, serial correlation, and multicollinearity. Time series: Linear time series, moving average, autoregressive, and ARIMA models. Estimation and forecasting. Forecast errors and confidence intervals.

MATH 328 Applied Statistics II

4 hours

Fulfills: Quantitative

Prerequisites: MATH 327

Design and analysis of experiments; analysis of variance techniques; fixed, random, and mixed models; repeated measures.

MATH 351 Ordinary Differential Equations

4 hours

Fulfills: Quantitative

Prerequisites: MATH 240

Differential equations is an area of theoretical and applied mathematics in which there are a large number of important problems associated with the physical, biological, and social sciences. Analytic (separation, integration factors, and Laplace transforms), qualitative (phase and bifurcation diagrams), and numerical (Runge-Kutta) methods are developed for linear and nonlinear first- and higher-order single equations as well as linear and non-linear systems of first-order equations. Emphasis is given to applications and extensive use of a computer algebra system.

MATH 365 Geometry
This course follows the historical development of geometry, including the important question of which parallel postulate to include. This is a proof-oriented course focusing on theorems in plane Euclidean and hyperbolic geometry, with some mention of elliptic geometry. We examine the development of a lean set of axioms, (incidence, betweenness, congruence, continuity) and investigate which theorems about points and lines can be derived using them.

MATH 452 Partial Differential Equations

An introduction to initial and boundary value problems associated with certain linear partial differential equations (Laplace, heat and wave equations). Fourier series methods, including the study of best approximation in the mean and convergence, will be a focus. Sturm-Liouville problems and associated eigenfunctions will be included. Numerical methods, such as finite difference, finite element and finite analytic, may be introduced, including the topics of stability and convergence of numerical algorithms. Extensive use of a computer algebra system.

MATH 454 Principles of Real Analysis

The course studies functions of a real variable and examines the foundations of calculus, with an emphasis on writing rigorous analytical proofs, and follows the historical development of analysis from Newton to Leibniz through Lagrange, Cauchy, Bolzano, Weierstrass, Cantor, Riemann, and Lebesgue. Topics include the topology of the reals, sequences, series, limits, continuity, pointwise and uniform convergence, differentiation, Taylor series, and integration.

MATH 456 Functions of a Complex Variable

What happens when calculus is extended to functions of a complex variable? Geometry and analysis combine to produce beautiful theorems and surprising applications. Topics include complex numbers, limits and derivatives of complex functions, Cauchy-Riemann equations, harmonic functions, contour integrals, the Cauchy integral formula, Taylor and Laurent series, residues, and conformal mappings with applications in physical sciences. Offered in alternate years.

MATH 459 Topology
What properties of a space are preserved by a continuous transformation? Point-set topology uses the concept of an "open set" to extend the definition of continuity to many different spaces. Topics may include the order, metric, product, and subspace topologies; limit points, connectedness, compactness, countability axioms, separation axioms, the Urysohn lemma, and the Urysohn metrization theorem. Usually offered in alternate January terms.

MATH 462 Numerical Analysis

4 hours

✓ Fulfills: Quantitative

Prerequisites: MATH 240 AND CS 150

Numerical analysis is a blend of computational methods and mathematical analysis of their convergence, accuracy, and stability. Topics include roots of equations and solutions of systems of linear equations, function interpolation and approximation, numerical differentiation and integration, optimization, and numerical solutions of ordinary and partial differential equations. Offered in alternate years.

MATH 471 Abstract Algebra I

4 hours

✓ Fulfills: Quantitative

Prerequisites: MATH 220 AND MATH 240

Real numbers and integers satisfy many nice properties under addition and multiplication, but other sets behave differently: matrix multiplication and composition of functions are noncommutative operations. Which properties (associativity, commutativity, identity, inverses) are satisfied by operations on sets determine the basic algebraic structure: group, ring, or field. The internal structure (subgroups, cosets, factor groups, ideals), and operation-preserving mappings between sets, (isomorphisms, homomorphisms) are examined. Emphasis is on theory and proof, although important applications in symmetry groups, cryptography, and error-correcting codes may also be covered.

MATH 472 Abstract Algebra II

1, 2, or 4 hours

✓ Fulfills: Quantitative

Prerequisites: MATH 471

Topics may include simple groups, Sylow theorems, divisibility in integral domains, generators and relations, field extensions, splitting fields, solvability by radicals, Galois theory, symmetry and geometric constructions. Offered on demand.

MATH 490 Senior Project

1, 2, or 4 hours
Museum Studies

Edward Tebbenhoff (program director)

The museum studies minor is a course of study intended to introduce and familiarize individuals with the historical and theoretical foundations of contemporary museums in order to better understand the history of museums and their impact on social, civic, and cultural life. It provides students with the practical skills and basic knowledge needed to work in museums and other cultural institutions.

A Luther program for some 30 years, the museum studies program furthers the college's commitment to the liberal arts by offering students a venue in which to apply their knowledge. It is further intended to meet several key components of the college's mission, including the promotion of public service, the preservation of tradition, and a strong emphasis on moving students beyond immediate interests and knowledge toward a recognition of the larger world around us.

The museum studies minor involves three required courses (MUST 120, 220, and MUST 380) and three elective courses. Electives may originate in any number of departments but should bear upon some aspect of material culture or subject matter that is relevant to museum work. Electives may involve museum administration, public relations, fine art, folk art, anthropology, natural history, environmental studies and biology. (Students may petition the program director to accept courses not on the list below to satisfy the elective requirement, given they can justify its relevance to museums and museum work.) At least one elective must come from outside the student's major field of study.

**Required for a minor:** MUST 120, 220, 380 and three courses from the following list (one of which must fall outside of the student's major discipline): HIST 126, 226, 227, ANTH 101, 104, 302, 305, ART 228, 251, 252, 290, THE 203, ENVS 133, 134, BIO 112, 246, 251, 253, 258, SCI 121.

Museum Studies Courses

**MUST 120 Introduction to Museums**

4 hours

The history of museums, archives, and collections and the nature and variety of museum work in contemporary society. An introduction to museum organization; museological theory and philosophy; concepts of museum exhibition and interpretation. Explores how collections and objects can be used as sources of meaning and information, and how museums and numerous other institutions can be used as educational resources. Workshops with Luther College Collections and Archives staff, as well as case studies at the Vesterheim Norwegian-American Museum and Effigy Mounds National Monument. Offered alternate years.
MUST 220 Collections Management

○ 4 hours

Addresses specific topics of curatorship and managements of collections, including: acquisition practices; legal and ethical issues; collections organization, conservation, and preservation; and data collection, organization, and management. The course will emphasize practices and technology that will ensure the continued potential and relevance of objects in the pursuit of knowledge and enjoyment of science, art, and nature. Offered alternate years.

MUST 380 Internship

○ 1, 2, or 4 hours

Provides students with hands-on experience that stresses the kind of museum work relevant to their major disciplinary field including, but not limited to: research, exhibition, education, collections management, preservation, and administration. The end-result being a tangible representation of their experience, whether it be a research document, portfolio, website, exhibit, or other product approved by their internship coordinator. This end product must be exclusively the student’s own work. The internship must be completed at a nationally or regionally recognized, reputable museum or cultural institution and is subject to the approval of the program director. Students taking 2 credits must work a minimum of 75 hours and those taking 4 credits - a minimum of 150 hours in the semester.
Music

**Gregory Peterson** (department head)

**Required for a major:** MUS 121, 122, 121L, 122L, 231, 231L, 244, 250, 332, 332L, 345, 346, 490 (or 491 or 493), and 7 semesters of private lesson study in the student’s major applied area. Writing in the major is completed with MUS 244 and 346.

The above courses are the music major core. A sequence of courses can be arranged to allow a student to begin a major in the sophomore year.

**Recital requirement:** All music majors must present a half recital or its equivalent in general recital appearances.

**Ensemble requirement, piano proficiency, recital attendance:** All music majors must complete an ensemble requirement which may be satisfied in a variety of ways. (See music department policies booklet.) Music majors are also required to meet a piano proficiency requirement and to attend recitals as directed by departmental policy.

**Transfer students:** Prior to initial registration, all transfer students must make an appointment with the Music department head to determine the number of music credits and other requirements for the major that will be accepted for transfer. Any transfer student expecting to graduate as a music major at Luther College must complete at least 8 hours of course work in the department and at least 3 semesters of private lesson study in the student’s major applied area while at Luther College.

**Permission to continue major:** Acceptable musical and academic progress, regularly reviewed by the music faculty, shall permit the student to continue as a major in the department.

**Required for certification to teach music K–8 and 5–12:** Completion of the music major, completion of the music education minor K–12, and student teaching at elementary and secondary levels. See education department for K–12 minor requirements.

**Required for a minor:** MUS 121, 122, 121L, 122L, MUS 244, 345, or 346, four semesters of applied music study, and a minimum of two additional elective courses (totaling 4-6 credits) with at least one course from the following: MUS 231/MUS 231L, 236, 237, 244, 247, 248, 250, MUS 272, 345, 346 (with instructor’s permission), and MUS 445 but not MUS 273 or applied music. The student must also satisfy the ensemble requirement with four semesters of participation (or an approved equivalent) and fulfill the current recital attendance requirement during two of the semesters he/she is registered for private lessons.

**Study plans:** Upperclass students are encouraged to develop supplemental study plans with their advisors in one of the following areas: church music, instrumental performance, jazz, theory/composition or vocal/opera performance. For further information, see Recommended Study Plans in the latest edition of the music department policies.
**Music Management Concentration:** To complete the music management concentration a student is required to complete a major in music and a minor in management, or a major in management and a minor in music.

## Music Courses

**MUS 110 Musicianship Workshop**

- **1 hour**

  This course is designed to help students acquire basic musicianship skills (primarily singing, rhythm, keyboard, and notation) that will aid them in their theory and ear-training courses at Luther. It is offered as an optional one-hour supplement to Theory I (Music 121). Co-requisite: MUS 121, MUS 121L.

**MUS 111 The Materials of Music**

- **2 hours**

  Students with little or no music theory background are provided an opportunity to study and make music through singing with solfege, playing the piano, composing and studying scores. This course prepares students for music theory and ear training 121/121L.

**MUS 120 Introduction to Musical Styles**

- **4 hours**

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  Designed to acquaint the general student with music as one of the humanities. Development of perceptive listening; a survey of western music as an art form.

**MUS 121 Theory I**

- **3 hours**

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  An intensive study of music fundamentals and materials followed by an introduction to part writing in two voices (counterpoint). Activities include written exercises, keyboard exercises, composition exercises, and the analysis of musical examples. Music 131 is the honors section of Theory I.

**MUS 121L Ear Training I**

- **1 hour**

  A study including sightsinging, rhythmic performance, dictation (melodic, harmonic, rhythmic), and related skills, all designed to develop the student's musical ear to the highest degree possible. Music 131L is the honors section of Ear Training I.
MUS 122 Theory II

- 3 hours
- ☑ Fulfills: Human Expression
- ☐ Prerequisites: MUS 121 and 121L

A continuation of Theory I. Covers part-writing in four voices, harmonic function, phrase structure, sequences, the harmonization of melodies and basses, and an introduction to chromatic harmony. Activities include written exercises, keyboard exercises, composition exercises, and the analysis of musical examples. Music 132 is the honors section for Theory II.

MUS 122L Ear Training II

- 1 hour
- ☐ Prerequisites: MUS 121 and 121L

Continuation of Mus 121L. Taken concurrently with Mus 122. Music 132L is the honors section of Ear Training II.

MUS 131 Theory I - Honors

- 3 hours
- ☑ Fulfills: Human Expression

Honors section of theory for first-year students. A placement test is required before registering for any section of music theory.

MUS 131L Ear Training I - Honors

- 1 hour

Honors section of ear training for first-year students.

MUS 145 Orchestral Repertoire For Harp

- 1 hour

This is a one-credit course covering the performance and rehearsal aspects of harp in orchestral playing and other ensembles employing the harp. Course includes marking and pedaling harp parts, pre-rehearsal preparation including listening to recordings and studying scores, and ensemble practice and performance including conducting skills. Students may register regardless of orchestral experience.

MUS 227 Music/Performing Arts in the Elementary Classroom

- 2 hours
- ☐ Prerequisites: EDUC 185 or 215

This course presents methods of teaching music/performing arts for use in the classroom by the
elementary teacher. Topics included are: basic music/performing arts concepts, presenting music/performing arts to elementary children and an overview of such programs in the elementary school including content, methods and materials for instruction.

MUS 231 Theory III

- 3 hours
- Prerequisites: MUS 122 and 122L

A continuation of Theory II. Covers chromatic harmony and voice leading, modulation, modal mixture, and styles and techniques relating to music of the twentieth century and beyond. Activities include written exercises, keyboard exercises, composition exercises, and the analysis of musical examples.

MUS 231L Ear Training III

- 1 hour
- Prerequisites: MUS 122 and 122L

A study including sightsinging, rhythmic performance, keyboard and improvisation exercises, dictation (melodic, harmonic, rhythmic), and related skills, all designed to develop the student’s musical ear to the highest degree possible.

MUS 236 Music, Worship and Culture

- 4 hours
- Fulfills: Human Expression

A study of the theology and history of worship in society within the principal branches of the church, from Biblical times through the present, with particular emphasis on defining and illustrating the musical expressions of corporate worship within the context of the rapid cultural and technological changes in the 20th century. Offered alternate years.

MUS 237 Worship and Music in the Life of the Church

- 2 hours

This course will familiarize students with the role that music plays in liturgical and non-liturgical worship. It will include practical topics such as planning and selecting instrumental and vocal repertoire, directing a church music program, hymnody, and congregational worship life. Offered alternate years.

MUS 238 Composition Workshop

- 1 hour

A workshop for students interested in exploring composition and improvisation. Students are exposed to a range of musical styles and compositional practices, and these musical explorations result in original compositions which are workshopped and performed. Class culminates in a
concert of new works. No prerequisites, but some previous study of music theory is highly beneficial.

MUS 244 Music History I: Medieval, Renaissance, And Baroque

- 4 hours
- Prerequisites: MUS 122 and 122L

This course offers a survey of sacred and secular music from Antiquity to 1750. Students will examine the origins of many musical conventions that we take for granted, such as meter, musical notation, polyphony, and tonality, and will learn about the composers and theorists responsible for these innovations. The origins and development of many genres, including the cyclic Mass, motet, madrigal, sonata, concerto, and cantata, as well as opera, will be explored. We will also consider the institutions and technological advances that allowed for these developments, including the patronage system and the invention of the printing press. Historical, social, and political factors that shaped the repertory and affected musical life during this period will also be investigated.

MUS 245 Choral Singing in Namibia and South Africa

- 4 hours
- Fulfills: Intercultural

Choral Singing in Namibia and South Africa is a travel course that promotes intercultural exchange through music. Music from the western tradition is learned and presented along with learning and presenting traditional Namibian and South African music in local languages. This takes place in church services, through choral exchanges and concerts, and in schools, hospitals and informal settings. Students also learn about the history of Namibia, its fight for independence and the anti-apartheid movement in South Africa through visits to sites of cultural and historic importance. Offered every four years during January term.

MUS 247 History of Jazz

- 4 hours
- Fulfills: Human Expression—Primary Texts, Historical, Intercultural

A survey of the history and development of jazz, from the 1890s to the present. Includes origins and early jazz through the modern jazz era. Listening activities focus on the major figures of each historical period. Offered alternate years. (Same as AFRS 247)

MUS 248 World Music Cultures

- 4 hours
- Fulfills: Intercultural, Human Expression

An introduction to music cultures outside of the West, which may include the art and vernacular musics of Africa, the Americas, East and South Asia, and Northern and Eastern Europe. The course will be grounded in theoretical perspectives from ethnomusicology, exploring both sound structures and social structures as well as the relationships between them. This course is intended for students fluent in reading and writing Western notation, and able to hear and speak
analytically about aspects of musical sound (meter, scale, texture).

MUS 249 Listening Live in London and Vienna

- 4 hours
- **Fulfills: Human Expression, Intercultural**

This is a course devoted to listening carefully and thoughtfully to live music, and to broadening the contexts that inform our listening experiences. It is intended for students from all majors, with discussions centering on music and benefiting from the varied academic and experiential backgrounds of the students. Taking full advantage of the range of musical performances available and the rich musical history and cultures of London, we spend approximately the first two weeks of the course attending concerts in the evenings and spend the afternoons visiting sites that help provide the context for the music we hear. Morning class time is devoted to discussions not only of music, but of art, literature, and historical and current events as they relate to the cultural climate of the musical works. For the remainder of the course, we travel to another city or series of smaller towns for a different set of listening experiences to explore different functions, audiences, and styles of music making. As a group, we explore the ways in which our knowledge and differing perspectives affect the experience of listening to musical performances. Offered alternate years, during January term.

MUS 250 Introduction to Conducting

- 2 hours
- **Prerequisites: MUS 332 AND MUS 332L**

A study of fundamental gesture, technique, and score preparation. Additional focus is given to oral communication and writing related to the art of conducting and self-evaluation.

MUS 265 Diction for Singers I: Italian and German

- 2 hours

Use of the International Phonetic Alphabet as an aid to learning accurate pronunciation for singing Italian and German. (First seven weeks, Italian; second seven weeks, German.) Offered alternate years.

MUS 266 Diction for Singers II: French and English

- 2 hours

Use of International Phonetic Alphabet as an aid to learning accurate pronunciation for singing French and English. (First seven weeks, French; second seven weeks, English.) Offered alternate years.

MUS 267 Vocal Literature I: Italian/Spanish and German

- 2 hours
An historical survey of the art song from c. 1600 to the present day. The course is designed to correspond with "Diction for Singers." Alternate years, each area of study receiving seven weeks.

MUS 268 Vocal Literature II: French and British/American

Ω 2 hours

MUS 272 Symphonic Music

Ω 2 hours

MUS 273 Chamber Music

Ω 1 hour

Instruction in the literature for small ensembles. Ensembles should be approved by an instructor before registration. Open to all students regardless of major. All ensemble members must be registered. This is a chargeable credit and will count toward the 36 credits for the year.

MUS 332 Theory IV

Ω 3 hours

Prerequisites: MUS 231 AND MUS 231L

A continuation of Theory III. A culmination of theory study, which focuses on the large-scale tonal organization of entire compositions or movements, with an emphasis on conventions relating to form and style. Covers traditional instrumental and vocal forms, contrapuntal genres, and popular music forms. The course emphasizes writing and speaking about music and includes an introduction to library research.

MUS 332L Ear Training IV

Ω 1 hour

Prerequisites: MUS 231 AND MUS 231L

A continuation of 231L. Normally taken concurrently with 332.

MUS 345 Music History II: Classical and Romantic

Ω 4 hours

Fulfills: Historical
This course offers a survey of vocal and instrumental music from approximately 1730 to 1900. We will trace the development of major genres, including the symphony, string quartet, concerto, aria, and oratorio. Students will consider how Classical composers contributed to Western Art Music by inventing or codifying some of the most enduring genres and forms and by creating the Galant style. We will then explore how Romantic composers transformed the genres, forms, and harmonic language inherited from Classical composers. Many of these changes resulted from a desire to express emotions and ideas through music, as we will see. Historical, social, and political factors that affected music and musical life will also be investigated.

MUS 346 Music History III: Post-1900 Music And World Music

4 hours
✔ Fulfills: Human Expression—Primary Texts
❖ Prerequisites: MUS 332, MUS 332L, MUS 345

The first half of the course examines major trends in twentieth- and twenty-first century Western Art Music and American vernacular music. We will observe a weakening of tonality and functional harmony and explore the alternative systems that composers introduced. The influence of non-Western music, pre-nineteenth-century music, and popular music on Western Art Music will also be explored, as will the ways that nationalism, censorship, politics, and advances in technology shape music from this period. The second half of the course introduces students to the music of some non-Western cultures. Taking a case study approach, we will investigate the music of select cultures from Asia, Africa, and Latin America, focusing on the instruments, methods of organizing music, performance contexts, and the significance and meaning of music-making in each culture. We will examine how music helps to express identity and how transmission and globalization affect music. We will conclude by studying a North American musical tradition outside of the Western Art Music sphere, from an ethnomusicological perspective, exposing students to some of the methodologies and key questions of the field.

MUS 351 Advanced Conducting: Choral

2 hours
❖ Prerequisites: MUS 250

A detailed study of rehearsal techniques, musical components and conducting expressiveness and effectiveness related to a choral rehearsal. Additional attention is given to a general choral repertoire survey and written self-evaluations. Strongly recommended for vocal performance music majors and required for vocal music education majors.

MUS 353 Conducting: Instrumental

2 hours
❖ Prerequisites: MUS 250

A study of advanced gesture technique as applied to instrumental rehearsal and performance. Additional attention is given to rehearsal techniques, score study, accompaniment, and performance practice.
MUS 356 Electro-Acoustic Music

- 2 hours
- Prerequisites: Consent of instructor

An introductory course in electro-acoustic music in which students: 1) listen to music which uses technology in an essential way, 2) study the physics of sound and digital signal processing, and 3) create original music using a digital audio workstation. The course culminates in a recital of original works. This course is normally required as preparation for advanced independent work in the Presser Electronic Music Studio. Offered alternate years.

MUS 362 Opera Workshop: Scenes

- 1, 2, or 4 hours
- Prerequisites: MUS 130 (private voice instruction) and consent of voice instructor

The study, rehearsal and staging of operatic repertoire (such as arias, scenes or one-act operas) through public performance and/or in-class assignments. Credit is dependent on role(s) and other duties assigned. This course may be repeated for credit.

MUS 363 Opera Workshop: Production

- 1, 2, or 4 hours
- Prerequisites: MUS 130 (private voice instruction) and consent of voice instructor

The study, rehearsal and performance of a music faculty directed opera. Credit dependent on role(s) and other duties assigned. This course may be repeated for credit.

MUS 371 Orchestration

- 2 hours
- Prerequisites: MUS 332

A study of the fundamentals and practices of arranging and composing for large ensembles. Course culminates with readings of student arrangements and/or compositions. Offered alternate years.

MUS 376 Vocal and Instrumental Accompanying

- 2 hours
- Prerequisites: Consent of instructor

A performance seminar for pianists. Students are coached in repertoire that requires keyboard accompanying. The goal is for pianists to develop and refine skills unique to the art of accompanying while becoming familiar with a wide variety of musical styles. Emphasis on vocal accompanying with additional consideration of instrumental repertoire.
MUS 445 Performance Practices of the Renaissance And Baroque Periods

2 hours

A historical study of the interpretation of music based on reading from the letters, diaries, essays, critical reviews, and performance treatises of the period. Seminar format with a substantial performance project. Open to music majors, or by consent of instructor. Offered alternate years.

MUS 446 Performance Practices of the Classical And Early Romantic Periods

2 hours

A historical study of the interpretation of music based on reading from the letters, diaries, essays, critical reviews, and performance treatises of the period. Seminar format with a substantial performance project. Open to music majors, or by consent of instructor. Offered alternate years.

MUS 454 16th Century Counterpoint

2 hours

Prerequisites: MUS 332

A study of the sixteenth century modal counterpoint style of Palestrina. Written exercises lead to the composition and performance of a mass movement.

MUS 455 Analytical Studies

2 hours

Prerequisites: MUS 332

This course is designed to further the analytical skills of a student through intensive study of selected works from music literature. About six pieces will be studied in a semester, with the choice of scores representing a variety of styles, periods, and the special interest of students enrolled in the course. Offered alternate years.

MUS 469 Advanced Ear Training

1 hour

Prerequisites: MUS-332, MUS-332L

A continuation of music 332L. Offered alternate years.

MUS 485 Seminar

1, 2, or 4 hours
MUS 490 Senior Project

1 hour

MUS 491 Senior Project in Music Education

1 hour

This senior project option is open to seniors in the music education program only. Focus is on creation of a research-based Developing Portfolio.
Nordic Studies

David Thompson (department head), Laurie Iudin-Nelson (program director)

(See also Scandinavian Studies)

Required for a major: 32 hours including SCST 101, 102, 201, 202, plus 16 additional credits in approved courses, 8 credits of which must be at the 300 level or above; a language immersion experience. Approved study abroad courses can be used to fulfill the requirements for the major. Writing requirement completed with SCST 345, 361, 363, FCUL 361, 363; or other approved writing courses in the Nordic Studies program. Double majors may elect to complete their senior project in another discipline.

Required for a minor: 24 hours including SCST 101, 102, 201, plus 12 additional credits in approved courses. Approved study abroad courses can be used to fulfill the requirements for the minor.

A student may not apply the same elective courses in a Nordic Studies major/minor towards a major/minor in International Studies. Students who wish to substitute a Nordic language, other than Norwegian, for the language core should consult with the Nordic studies director.

Current courses approved for the Nordic studies minor/minor include:

- ART 115, 149
- FCUL 185, 250, 251, 339 (Russia and Scandinavia), FCUL 339 (Peace and Reconciliation), FCUL 361, 363
- HIST 256, 348, 352, 485 (when topic concerns Nordic countries)
- PAID 450 (Green Germany), PAID 450 (Islam in Europe)
- SCST 101, 102, 201, 202, 250, 251, 339 (Russia and Scandinavia), SCST 339 (Peace and Reconciliation), SCST 345, 346, 348, 352, 361, 363

Additional courses that night apply toward the Nordic studies major or minor are reviewed by the Nordic studies program director and the Nordic studies board.

Language immersion experience: For majors, a minimum of one semester of academic study in a Nordic country. For minors, a term of study abroad is strongly recommended, but not required. Program selection and other options must be approved by the department for all majors and minors prior to departure.

Language Learning Center

The department of Modern Languages, Literatures, and Linguistics has a Language Learning Center in Main Building. Language students have access to computerized language learning materials, to computers with audio and video editing software, and to video study rooms where they may view prerecorded foreign language videos and DVDs or watch live international TV. The Languages Learning Center also houses the department’s Foreign Language Media Library with over 800 foreign
language films and a selection of leisure reading books and audio books for language learners. Students can check out these materials as well as audio and video equipment for their class assignments. The Language Learning Center also provides language students with valuable work-study experiences related to their interest in languages.
Nursing

LaDonna McGohan (department head)

Admission to the nursing major:

Luther's nursing program, with its longstanding connection to Mayo Clinic in Rochester, has a very strong reputation. Clinical resources both in the Rochester and Decorah areas limit the number of students who can be enrolled in the program, and so the number of qualified program applicants may exceed the number who can be admitted. Students must understand that admission to Luther does not itself mean admission to nursing. Applicants must meet minimum eligibility requirements indicated below; however, obtaining or exceeding minimum criteria does not guarantee admission. Decisions affecting admission to the major will be made at the end of the fall semester. Luther also offers a direct entry program into the nursing major for high school seniors.

Minimum criteria for admission to the nursing major include:

- A minimum cumulative grade point average (GPA) for college courses taken at Luther College of 2.75.
- A minimum grade of C in all courses required for the nursing major.
- Repetition of any single course required for the major no more than once.
- Repetition of a total of no more than two courses required for the major.

Continued progression in the nursing major:

Decisions affecting continued progression in the major after admission to it are made at the end of each semester. Students must continue to meet all admissions requirements. Additionally, a minimum grade of C is required for all nursing courses as well as satisfactory completion of the clinical components. No nursing courses can be repeated more than once.

All other policies regarding grading, withdrawal, and graduation are in accordance with general college policy and can be found elsewhere in the college catalog.

Clinical participation is not allowed by persons who have been denied licensure by the Iowa Board of Nursing or whose license is currently suspended, surrendered, or revoked in any country or U.S. jurisdiction due to disciplinary action.

Students must be able to provide their own transportation to clinical facilities. They must also pay for their own uniforms. Nursing courses in the junior year are taken off campus in Rochester, MN.

Required for a major: NURS 234, 235, 236, 237, 370, 371, 372, 373, 374, 376, 377, 378, 382, 384, 386, 388, 390, 420, 421, 425, 480, 490. Students completing more than one major may elect to complete the senior project in a major other than nursing. Writing requirement completed with NURS 382 and 384.
Correlative requirements: BIO 115, 116, 152, 243; HLTH 125; SCI 240, 250; PSYC 130, 240. A course in statistics is recommended for nursing majors who intend to do graduate work.

Nursing Courses

NURS 234 Pathways to Practice I

- 2 hours
- Prerequisites: Admission to nursing major. BIO 115, 116, 152, HLTH 125

First of two courses focusing on assessment, health promotion and communication skills; development and application of cognitive and psychomotor skills to perform systematic, holistic, and culturally sensitive assessments with an emphasis on the application of clinical reasoning. This course facilitates the acquisition of knowledge for the liberal arts, sciences and nursing as the foundation of professional nursing practice.

NURS 235 Pathways to Practice I Clinical

- 2 hours
- Prerequisites: BIO 115, 116, 152, HLTH 125

First of two clinical courses focusing on the development of communication and assessment skills and selective application of cognitive and psychomotor skills for the safe care of adult patients in long term care settings.

NURS 236 Pathways to Practice II

- 2 hours
- Prerequisites: NURS 234, 235

Second course in a series focusing on further development of assessment, health promotion and communication skills and the application of cognitive and psychomotor skills to patients experiencing common abnormalities with an emphasis on the application of clinical reasoning.

NURS 237 Pathways to Practice II Clinical

- 2 hours
- Prerequisites: NURS 234, 235

Second clinical course in a series focusing on the application of cognitive and psychomotor skills on the care of adult patients with common abnormalities in a rural acute care and long term care settings. Upon completion of this course, students will be expected to perform appropriate nursing interventions safely and effectively under direct clinical supervision.

NURS 370 Health and Healing I

- 2 hours
- Prerequisites: NURS 234, 235, 236, 237, BIO 115, 116, 152, 243, HLTH 125, PSYC 130, 240, SCI 240, 250
In this course students will develop the knowledge and skills to support adult patients experiencing alterations in health while examining values, meanings, and experience. Focus will be on how nurses intervene in a complex care environment, with an emphasis on integrating patient education and health promotion strategies to promote healing and achieve optimal health. Concepts will relate to acute care needs with beginning discussion related to complex chronic health care needs.

**NURS 371 Health and Healing I Clinical**

- 2 hours
- Prerequisites: NURS 234, 235, 236, 237, BIO 115, 116, 152, 243 HLTH 125, PSYC 130, 240, SCI 240, 250

This clinical course is meant to apply the knowledge and skills learned previously, with emphasis on developing clinical decision making abilities. Students will practice in an adult, acute-care setting and with regular opportunity to reflect on values and experiences in order to make meaning of health and healing.

**NURS 372 Health and Healing II**

- 2 hours
- Prerequisites: NURS 234, 235, 236, 237, Bio 115, 116, 152, 243, HLTH 125, PSYC 130 and 240, SCI 240 and 250

Continuation of NURS 370, with added complexity reflected in a focus on chronic disease management in the setting of acute alterations to health. Students will continue to build on concepts of health promotion and patient education to address discharge needs, especially as related to acute-on-chronic healthcare needs.

**NURS 373 Health and Healing II Clinical**

- 2 hours
- Prerequisites: NURS 234, 235, 236, 237, BIO 115, 116, 152, 243, HLTH 125, PSYC 130, 240, SCI 240, 250

This clinical course is meant to apply the knowledge and skills learned in NURS 370 with continued emphasis on developing clinical decision making abilities. Students will explore the continuum of care in both inpatient and outpatient settings with a special focus on engaging in patient education and health promotion strategies in discharge planning.

**NURS 374 Behaviorial Health Care**

- 2 hours
- Prerequisites: NURS 234, 235, 236, 237, BIO 115, 116, 152, 243, HLTH 125, PSYC 130, 240, SCI 240 and 250

Basic theories and concepts related to psychiatric-mental health care of children, adolescents, adults and older adults are examined. Emphasis is placed on the biopsychosocial/physiologic basis for mental health care and provides knowledge necessary for a beginning practitioner. Primary emphasis is given to mental health promotion and to the treatment of commonly occurring mental health concerns and illnesses.
NURS 376 Behavioral Health Care Clinical

- 2 hours
- Prerequisites: NURS 234, 235, 236, 237, BIO 115, 116, 152, 243, HLTH 125, PSYC 130, 240, SCI 240, 250

Application of theories and concepts related to the care of psychiatric clients. Emphasis on knowledge of nursing and pharmacological management as well as advanced communication skills provide the basis of the clinical experiences in psychiatric nursing necessary for preparation as a beginning practitioner.

NURS 377 Family/Child Nursing

- 4 hours
- Prerequisites: NURS 234, 235, 236, 237, BIO 115, 116, 152, 243, HLTH 125, PSYC 130, 240, SCI 240, 250

This course focuses on childbearing and childrearing families, with emphasis on culturally competent and developmentally appropriate nursing care to promote healthy infant/adolescent and family function. Concepts of family theory, family-centered care, family culture and health promotion are emphasized.

NURS 378 Family/Child Nursing Clinical

- 2 hours
- Prerequisites: NURS 234, 235, 236, 237, BIO 115, 116, 152, 243, HLTH 125, PSYC 130, 240, SCI 240, 250

This clinical course is meant to apply knowledge and skills learned in NURS 377 with childbearing and childrearing families. Students will utilize clinical decision making skills, assessment and therapeutic communication.

NURS 382 Gerontological Nursing

- 2 hours
- Prerequisites: NURS 234, 235, 236, 237, BIO 115, 116, 152, 243, HLTH 125, PSYC 130, 240, SCI 240, 250

This course is designed to build upon learning in previous nursing courses with an emphasis on the aging phase of the life process. The focus of the course is on the knowledge, attitudes, and skills needed to understand and care for the growing geriatric population. Students will acquire understanding of the uniqueness of the health related needs of the aging population and learn to recognize the physiological, cognitive, psychological, social changes, and atypical presentations of disease associated with aging.
NURS 384 Evidence Based Practice

- 2 hours
- Prerequisites: NURS 234, 235, 236, 237, BIO 115, 116, 152, 243, HLTH 125, PSYC 130, 240, SCI 240, 250

This course emphasizes the use of research as a key component in clinical decision making for nursing practice. Theoretical and practical components of research perspectives and the research process are discussed. The course incorporates ethical aspects of the research process and research history. Integration of multiple sources of evidence to guide nursing practice is analyzed.

NURS 386 Professional Nursing Practice: An Immersion Experience

- 2 hours
- Prerequisites: NURS 234, 235, 236, 237, BIO 115, 116, 152, 243, HLTH 125, PSYC 130, 240, SCI 240, 250

This clinical course allows students to practice within the routines of one hospital-based unit over a two week period. This internship allows students to work closely and collaborate with other healthcare providers to develop clinical skills and clinical decision-making ability. Emphasis is on application of theory in practice, while also developing leadership skills.

NURS 388 Health Informatics

- 2 hours
- Prerequisites: NURS 234, 235, 236, BIO 115, 116, 152, 243, HLTH 125, PSYC 130, 240, SCI 240, 250

This course includes the study of health informatics and information technology from consumer, clinical, and public health perspectives. Students will analyze the use of information technology to communicate, manage knowledge, mitigate error, and support clinical decision-making.

NURS 390 Nursing Leadership in Health Care

- 2 hours
- Prerequisites: NURS 234, 235, 236, 237, BIO 115, 116, 152, 243, HLTH 125, PSYC 130, 240, SCI 240, 250

This course will view integrated concepts of leadership and management and advocacy, recognizing nursing as a collective profession within the larger health care delivery system. This course will emphasize nurses’ roles in promoting social justice in health care, in the context of economic, social, political, and ethical influence. Students will understand how the health care system impacts the delivery of care, in health care organizations and direct patient care, focusing on cost, quality, safety, and access. Historical perspectives of health care will be used to contextualize trends in nursing leadership and their role in the delivery of care.

NURS 420 Population-Based Care

- 2 hours
- Prerequisites: NURS 370, 371, 372, 373, 375, 376, 377, 378, 382, 384, 386, 388, 390
This course focuses on health promotion with disease and injury prevention in population groups. Social justice principles are woven throughout course content to emphasize collective action toward improving national and international health. With an introduction to the science of epidemiology, students will analyze health patterns of populations in connection with contextual contributing factors, such as lifestyle, social, economic, cultural, and historical perspectives. Public health interventions are explored at individual, aggregate, and population levels. Key focus areas of public health will be addressed including but not limited to environmental health, disaster and emergency preparedness, and political involvement.

NURS 421 Population-Based Care Clinical

2 hours
Prerequisites: NURS 370, 371, 372, 373, 375, 376, 377, 378, 382, 384, 386, 388, 390

This clinical nursing course allows nursing students to practice public health nursing, incorporating theoretical and analytic components from NURS 420. Determinants of health are examined as students practice in collaboration with agencies and organizations, preparing students to specialize in rural public health priorities and interventions. Emphasis is placed on the principles of public health combined with the nursing process to focus on health promotion, life-style factors, and disease prevention that facilitate the development of healthy populations, communities, families, and individuals.

NURS 425 Synthesis of Clinical Practice Across The Lifespan

2 hours
Prerequisites: NURS 370, 371, 372, 373, 375, 376, 377, 378, 382, 384, 386, 388, 390

This course emphasizes clinical and critical reasoning skills synthesized from knowledge obtained in prior nursing courses to address fundamental to complex situations across the lifespan. Students will engage in critical inquiry in both the classroom and simulation lab settings that is evidence based and that applies and integrates concepts associated with safe, high quality, professional nursing practice.

NURS 471 Maternity Nursing: a Family-Centered Approach

4 hours

The caring process with an emphasis on the nursing process is applied to the care of families with a focus on the childbearing phase, including normal and high risk patients. Teaching and health promotion are emphasized, along with client management skills. Prerequisites: 350, 353, 354, 360, 365, 368, science 355, 361, 362.

NURS 473 Community-Centered Care

4 hours

The study of the community and its population groups. Focus on levels of prevention in the use of the nursing process to promote, maintain and protect the health of individuals, groups and communities. The caring process is emphasized. Clinical experience is in schools, agencies, and community groups providing services in Northeast Iowa. Prerequisites: 350, 353, 354, 360, 365, 368, science 355, 361, 362.
NURS 477 Synthesis of Nursing Practice

4 hours

The caring process is used to assist clients experiencing pathophysiological interruptions to health. Emphasis is on refining clinical skills in caring for adults with more complex chronic illnesses and the collaborative role of the professional nurse across the multidisciplinary health care team. Leadership/management concepts as they apply to professional nursing are emphasized. Prerequisites: 350, 353, 354, 360, 365, 368, science 355, 361, 362.

NURS 478 Health Care Management

2 hours

A study and analysis of economic, social, political and ethical factors that affect management of human, technological, and financial resources in health service organizations. Includes the historical development of health care delivery and reform issues in the U.S. and selected other industrialized nations. There will be a particular focus on strategic and operational management of hospitals, long-term care facilities and home health care agencies. Rural versus urban issues will also be addressed. Prerequisites: 350, 353, 354, 360, 365, 368, science 355, 361, 362.

NURS 480 Senior Leadership Capstone

4 hours

Prerequisites: NURS 370, 371, 372, 373, 375, 376, 377, 378, 382, 384, 386, 388, 390

This capstone course will include experiences similar to those students are likely to confront as newly employed baccalaureate prepared registered nurses. Students will work in 1:1 experiences with baccalaureate nurse preceptors in selected clinical settings. An emphasis is placed on the development of personal and professional strategies needed to make the transition from student to graduate nurse by highlighting role development skills of bedside nurse leaders.

NURS 490 Senior Project

1, 2, or 4 hours

Prerequisites: NURS 384

A student completing a senior project in another major is not required to complete a senior project in nursing.
Paideia

Rebecca Sullivan (program director)

“Paideia” (pronounced pie-DAY-uh) is a classical Greek term meaning “education.” Paideia was a wide-ranging education that helped students become intellectually well-rounded citizens who could contribute ideas and solve problems in a free society. Paideia was essentially a liberal arts education. Developed in 1977, Paideia is a signature Luther program. Its endurance testifies to the intellectual transformation afforded thousands of Luther students. This foundation grounds students for success in education and life.

The Paideia curriculum includes three interdisciplinary courses: a common two-semester sequence for first-year students (PAID 111D and 112D), and a series of one-semester courses for juniors and seniors (PAID 450).

Paideia 111/112: Enduring Questions are two first-year sequential semester courses taught by faculty from every academic division. Students in these courses study works drawn from across the disciplines. The course provides a base of skills you will use throughout your college experience. Enduring Questions is a course that every Luther student takes. This common element is vital. Throughout the year all Luther first-year students read the same works (though the class assignments related to the works may vary). The best class discussions extend into residence halls and cafeteria tables. Enduring Questions sections allow face-to-face learning, with no more than 19 students per section. Each work in Enduring Questions begins with a large-format lecture in which a faculty member provides an overview. In addition, the author of the summer reading text often visits Luther and speaks at convocation.

In Paideia 450 juniors and seniors face ethical challenges and learn to make educated choices. In this one-semester course, often in an area key to their major or intended profession, students use the critical reading, thinking, and writing skills developed in Enduring Questions to explore an ethical issue.

All of these courses model the ideals of the liberal arts because:

- the most important questions draw on a range of perspectives for their answers
- the best answers draw not only on facts but on the wisdom of a well-developed sensibility
- education develops your potential, not just for a job, but for an active social, political, and inner life

Paideia Courses

PAID 111D Paideia I:Enduring Questions

Ø 4 hours

A two-semester common course for all first-year students that addresses questions central to the
human condition. It develops students' ability to read, write, analyze, discuss, and research by engaging with works from across the disciplines, drawn from different time periods and parts of the globe. As a signature course and a foundation for liberal learning, "Enduring Questions" is taught by faculty from all divisions of the college. Students may not withdraw from PAID 111 or 112. If they fail the course, they must retake it in the next semester that it is offered.

PAID 112D Enduring Questions

4 hours

A two-semester common course for all first-year students that addresses questions central to the human condition. It develops students' ability to read, write, analyze, discuss, and research by engaging with works from across the disciplines, drawn from different time periods and parts of the globe. As a signature course and a foundation for liberal learning, "Enduring Questions" is taught by faculty from all divisions of the college. Students may not withdraw from PAID 111 or 112. If they fail the course, they must retake it in the next semester that it is offered.

PAID 450 Ethical Choices

4 hours

Prerequisites: Junior standing

A team-taught course for juniors and seniors devoted to interdisciplinary study of ethical issues that confront us in our lives as learners and citizens. Paideia 450 courses pay special attention to the nature of moral decision-making through discussion and the continued development of students' writing skills. The Paideia 450 requirement is completed during the junior or senior year in a course taught at Luther College or in a designated Luther-sponsored program.
Philosophy means the love of wisdom. More specifically, philosophy is the systematic, rational inquiry into the most profound questions about nature and human life. The philosophy program is designed to help students think about these issues in a thorough and rigorous way, by acquainting them with historical and contemporary work in philosophy and by developing their skills in critical analysis and expository writing. The program offers a number of gateway courses that are open to all students, as well as more advanced and intensive courses for students interested in deepening their knowledge of philosophy and building their skills in analysis and writing. The major and minor in philosophy offer a sequence of historical and topical courses that allow students to engage deeply with an array of philosophical problems and approaches. Because of the breadth and depth of these offerings, as well as the analytical rigor that they require, a major or minor in philosophy is excellent preparation for all kinds of graduate study and public service. Many of our majors go on to graduate school in philosophy, theology, and law.

**Required for a major:** A minimum of nine courses (not including the senior project) in philosophy, including PHIL 110, 120 or PHIL 320, 200, 220, 485, and at least two additional courses numbered 300 or above. Writing requirement completed with PHIL 485.

**Required for a minor:** A minimum of five courses in philosophy, including PHIL 200, 220, 485, and at least one additional course numbered 200 or above.

Courses in the Scholar’s program may count as prerequisites for advanced philosophy offerings. In addition, consent of instructor to enroll can be obtained with advisor’s assistance by students lacking formal prerequisites, given appropriate academic experience and interest.

**Philosophy Courses**

**PHIL 100 Introduction to Philosophy**

- **4 hours**
- **Fulfills: Human Expression—Primary Texts**

An introduction to basic questions in philosophy concerning God, the nature of reality, knowledge and truth, human nature, morality, and the individual in society, together with the range of arguments and answers that philosophers have developed in response to them.

**PHIL 110 Logic**

- **4 hours**
- **Fulfills: Quantitative**

A study of reasoning and argumentation, introducing formal symbol systems, including propositional and predicate logic, with attention to informal logic and fallacies.
PHIL 120 Ethics

○ 4 hours
☑ Fulfills: Human Expression—Primary Texts

A topical introduction to moral philosophy, considering both historical and contemporary developments. Topics include human nature, standards of morality, obligation and rights, justice, responsibility and freedom, character and action.

PHIL 130 Philosophy of Religion

○ 4 hours
☑ Fulfills: Human Expression—Primary Texts

A study of attempts to bring rational justification and clarification to religious beliefs and practice, focusing primarily on the concepts of Christian theology. Topics may include: the existence and attributes of God, faith and reason, death and immortality, miracles and revelation, the problem of evil, and religious pluralism. (Same as REL 230)

PHIL 140 Environmental Philosophy

○ 4 hours
☑ Fulfills: Human Expression—Primary Texts

A study of the philosophical response to the environmental crisis. The course begins with a survey of environmental problems and a brief history of the environmental movement. It then examines various philosophical attempts to reevaluate human attitudes and responsibilities toward the nonhuman environment.

PHIL 150 Social and Political Philosophy

○ 4 hours
☑ Fulfills: Human Expression—Primary Texts

An introduction to major social and political theories with focus on such concepts as obligation, law, authority, freedom, rights, justice, individual, community, ideology, and oppression.

PHIL 200 Ancient Philosophy

○ 4 hours
☑ Fulfills: Human Expression—Primary Texts
☐ Prerequisites: one course in philosophy.

An examination of the development of philosophy among the Greek speaking peoples and the civilizations they influenced. Primary focus will be on the thought of Plato and Aristotle as the major founders of western philosophical thought, with a brief review of subsequent developments in Hellenistic and Roman philosophy.
PHIL 220 Early Modern Philosophy

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: one course in philosophy.

An examination of the development of modern European philosophy. Primary focus will be on the formation of scientific philosophies in the 17th and 18th centuries and upon the synthesis of these views in Kant's philosophy.

PHIL 230 Philosophy of Science

- 4 hours
- Fulfills: Natural World—Nonlab, Human Expression—Primary Texts
- Prerequisites: one course in philosophy, or two courses in natural science.

A study of the nature of scientific methodology, which has entitled the sciences (especially the natural sciences) to their authoritative status as reliable sources of knowledge and rational belief. This involves issues such as the relation between theory and evidence, the nature of confirmation, explanation, probability, and rational considerations in delivering and consuming scientific information. Offered alternate years.

PHIL 240 Philosophy of Art

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: one course in philosophy or two courses in fine arts

A study of the nature of art and its relationship to the human condition. Issues covered include definitions of art, the relationship between art and the community, the nature of aesthetic experience, and standards of taste. Offered alternate years.

PHIL 260 Feminist Philosophy

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: One course in PHIL or two courses in WGST

Examination of feminist philosophies, including issues in epistemology, ethics, social philosophy, political philosophy, philosophy of religion and historical interpretation. Focus on the challenges which feminist theory presents to traditional philosophical assumptions in the Western tradition. Offered alternate years. (Same as WGST 260)

PHIL 300 19th and 20th Century Philosophy

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: two courses in philosophy.

A study of philosophical movements which developed in response to German idealism, including existentialism, phenomenology, pragmatism, analytic and post-modern philosophy. Offered alternate years.
PHIL 310 Metaphysics and Epistemology

4 hours
Fulfills: Human Expression—Primary Texts
Prerequisites: two courses in philosophy.

A comparative and critical study of major theories about being and knowing. Metaphysical issues focus on the nature of reality, including the relationship between mind and matter, substance and attribute, time, space, causation, change, modality, and identity. Epistemological topics concern the possibility, origins, nature, and extent of human knowledge. The course includes classical as well as contemporary readings, covering a wide range of philosophical theories and their interaction. Offered alternate years.

PHIL 320 Topics in Value Theory

4 hours
Fulfills: Human Expression—Primary Texts
Prerequisites: two courses in philosophy

Study of particular theories, movements, issues, major philosophers in value theory. Examples include major works in virtue ethics, utilitarian theory, deontological ethics. Offered alternate years.

PHIL 330 Philosophy of Mind

4 hours
Fulfills: Human Expression—Primary Texts
Prerequisites: take two courses in philosophy, or at least one course in psychology numbered 300 and above.

An investigation of historical and contemporary attempts to address a wide range of questions concerning the mind and mental phenomena, such as: Is the mind independent of the body/brain? Can consciousness be explained? Can machines think? How can we account for personal identity? Is free will an illusion? Is evolutionary theory relevant to our understanding of the mind? Offered alternate years.

PHIL 400 Advanced Topics in Philosophy

4 hours
Prerequisites: three courses in philosophy.

Designed for students with significant interest and experience in philosophy. Offered alternate years.
PHIL 485 Seminar

- 4 hours
- Prerequisites: three courses in philosophy.

In-depth study of specific topics or philosophers in seminar format, designed for students with significant experience in philosophy.

PHIL 490 Senior Project

- 1, 2, or 4 hours
Physical Education

Brian Solberg (department head)

Required Physical Education

A seven-week physical education skills activity (PE 110) and a seven-week Fitness and Wellness class (PE 100) are required for graduation. Each is offered for one hour of credit. The skills requirement may also be completed with PE 180. The physical skills requirement (PE 110) will be waived for students who have participated in varsity athletics at Luther for at least two traditional seasons in the same sport. A student may apply a maximum of four credit hours of physical education skills (PE 100 and PE 110 classes) toward the 128 hours required for graduation. Additional classes may be completed, but may not be counted toward the 128 hours. A student may audit skills classes by following the college procedures for auditing. Any student may register for physical education skills classes on a credit/no credit basis.

Subsequent to a medical examination or review of documentation, a student’s program in physical education may be modified to follow the limitations suggested by the college physician or disabilities coordinator.

Physical Education Major/Minor

The physical education major is designed to prepare students to serve as professionals in the field of physical education. Our graduates are knowledgeable in physical education and are well prepared to serve as teachers, researchers, or practitioners in physical education. Students may select a teaching or non-teaching major.

Required for a major:

Plan I (teaching): PE 100, PE 110 (dance), PE 110 (selected from the courses titled "racquet sports," "individual and dual sports," or "team sports"), PE 190, 221, 247, 250, 251, 260, 261, 342, 343, 344, 345, 346, 365, 366, 456, 490. Writing requirement completed with PE 342. See education department for requirements specific to the K–12 physical education teaching minor.

Plan II (exercise physiology): PE 224, 247, 261, 323, 342, 365, 366, 490; BIO 151, 152, 255; CHEM 141 or 151; PHYS 151; one selected from MATH 115, BIO 256, or PSYC 350. Writing requirement completed with PE 342. Recommended electives: BIO 243 and 362.

Required for a minor: PE 100, 190, 247, 261, 342, 366; two selected from PE 224, 248, 250, 251, 260 or 323.

Required for second teaching area: See Education department for specific requirements. The second teaching area license is offered only in the state of Iowa.
Coaching

Required for coaching endorsement (men and women): PE 190, 250, 251, 261, 342, 366, PAID 450. Recommended: PE 244.

Physical Education Courses

PE 100 Skill: Personal Fitness and Wellness

- 1 hour
- Fulfills: Wellness

This course will focus on the knowledge and skills necessary for developing and maintaining a healthy, physically active lifestyle throughout one's lifespan. General topics include major health issues such as physical fitness, nutrition, stress management, substance abuse and disease prevention. Students will participate in both lecture and activity during each week.

PE 110 Skills Class

- 1 hour

Skills courses are designed to expose students to lifetime activities. The major emphasis of these courses is to acquire basic knowledge of the activity, enhance/improve skill performance, and develop health related fitness. Courses may be selected from aerobic fitness, archery, badminton, bowling, disc golf, fly fishing, golf, individual and dual sports, insanity, pilates, racquetball, racquet sports, rock climbing, ropes course, swim fitness, lifeguard instruction, social dance, soccer, team sports, tennis, strength training, and yoga. A student may apply a maximum of four credits hours of physical education skills (PE 100 and PE 110) classes toward the 128 hours required for graduation.

PE 130 Experiential Leadership

- 2 hours

This course will examine current and historical leadership theories and practices that have effectively instilled change in education and society. Students will explore personal leadership styles through experiential application and example. A personal leadership profile will be completed. This course is specifically designed to follow the National Outdoor Leadership School (NOLS) curriculum.

PE 180 Wellness and Fitness Abroad

- 4 hours
- Fulfills: Skills

This physical education course affords students a unique opportunity to explore wellness concepts and participate in fitness activities in an international setting. The course is designed to promote healthy lifestyles and increase the enjoyment of physical activity. The international setting, which may vary from year to year, exposes students to a different culture and unique fitness activities. This course will fulfill the health and physical education general education skills requirement. Consent of instructor required.
PE 190 First Aid

1 hour

Instruction, preparation, and practice in first aid techniques, principles, and procedures necessary in providing emergency care. The test for First Aid and CPR certification from either the American Red Cross or the American Heart Association will be administered to students enrolled in this course. Students successfully meeting the minimum standards set by the appropriate agency will be certified.

PE 221 Lifetime Skills and Activities

2 hours

This course will provide students with instruction and participation in selected physical activities and lifetime skills. In addition, students will receive specialized instruction that focuses on preparation and implementation of these activities in education, corporate, or commercial settings where exercise programming is a primary focus. Activity selections will vary depending upon societal or industry trends.

PE 224 Principles of Fitness Assessment and Exercise Prescription

2 hours

Theories of fitness training, review of clinical and diagnostic cardiovascular information, and program design and evaluation will be discussed. Areas of emphasis will be population characteristics, participant screening and referral process, and fitness planning and prescription.

PE 226 Ropes/Challenge Course Programming: Theory and Practice

2 hours

Prerequisites: PE 110 (Ropes Course) suggested.

In this course students will study the integration of ropes/challenge course programming in physical education. This course prepares students to use and implement ropes/challenge course curriculum in elementary and secondary physical education. Students who successfully complete the course will test for Level 1 Challenge Course Certification endorsed by the ACCT (Association of Challenge Course Technology). Students will become aware of and understand the use of adventure activities and ropes/challenge course programming for various purposes and various populations. Prerequisite: PE 110 Ropes Course suggested.

PE 229 Elementary Physical Education, Health, And Wellness: Methods and Materials

2 hours

Prerequisites: EDUC 185 or 215.
Required for elementary (K-8) majors, this course provides students with a strong foundation in elementary physical education content, basic health concepts, and methods, with an emphasis on developmentally appropriate physical education. Designed to introduce elementary education majors to the dynamic and rapidly changing field of elementary physical education, this course will: 1) familiarize students with current terminology and trends; 2) explore various activities, materials, units, teaching techniques, and methods of instruction; and 3) integrate elementary physical education with basic health, fitness, and wellness concepts. Practical teaching experiences are included with emphasis on unit and lesson planning, and implementation.

**PE 231 Psychological Skills Training**

- 2 hours

This course is designed to teach skills and techniques that can be used to enhance performance and personal growth in sport and exercise. Managing competitive stress, emotion management, improving confidence, controlling concentration, performance preparation, and increasing communication skills will be emphasized. Offered alternate years during January term.

**PE 243 Sport and Society**

- 4 hours

Students will examine how sport has influenced their lives and their perspectives and take a broader look at how sport has been influential in American society (e.g. family, gender, race, education, media, and politics). Offered alternate years.

**PE 244 Psychology of Coaching**

- 2 hours

Intended to familiarize prospective coaches with the area of sport psychology, this course focuses on the coach’s role and influence on the psychological well-being of athletes, coaching philosophy, coaching styles, team building, and other topics. Offered alternate years.

**PE 247 Foundation of Physical Education**

- 2 hours

An introductory course involving historical, philosophical, and sociological foundations of the physical education, exercise science, and sport. An overview of the field, as well as contemporary issues concerning physical education and the related areas of exercise science and sport, are examined. Emphasis is placed upon career opportunities in this multifaceted profession. Recommended for first-year and sophomore students.

**PE 248 Foundations of Sports Psychology**

- 4 hours

This course examines psychological theories and research related to sport and exercise behavior.
The course is designed to introduce students to the field of sport and exercise psychology by providing a broad overview of the major topics in the discipline. Offered alternate years.

**PE 250 Coaching of Sports**

- 2 hours

Theory and technique of coaching baseball, a swimming, tennis, track and field, volleyball, and wrestling. Taught in 2 credit hour units. A maximum of 4 such credit hours may be counted toward the 128 required for graduation. Some sports are offered alternate years.

**PE 251 Care and Prevention of Athletic Injuries**

- 2 hours

Instruction and practice in the recognition and initial care of injuries to physically active individuals. Instruction and practice in preventative measures and first aid techniques relating primarily to settings in physical education and athletics.

**PE 260 Adaptive Physical Education**

- 4 hours

A study of the nature of neuromuscular and skeletal-muscular limitations of an atypical student and the methods of adapting physical and recreational activities to fit the student’s needs and abilities. The primary emphasis is on experiential learning. Luther students work individually with young students (ages 3-18) from local and area school districts, to adopt activities to their special needs.

**PE 261 Applied Human Anatomy**

- 2 hours

A study of the essential features of anatomy with special reference to the principles of structure in the human body. Applications of human anatomy to health, athletic injury, movement and principles of sports skills will be made. (NWNL when combined with PE 365)

**PE 323 Principles of Strength Training and Conditioning**

- 2 hours

Prerequisites: PE 261.

The course will be taught in accordance with the principles recommended by the National Strength and Conditioning Association. Course content will include: facility organization and management; equipment purchase and maintenance; program design and organization; theory of strength training and conditioning; and experiential learning in weight training and conditioning.

**PE 342 Growth, Development and Motor Learning**
This course is an examination of the growth and development patterns across the lifespan, with emphasis placed upon infancy, childhood, adolescent and adult stages. Developmental theories and findings in typical and atypical human growth and development are explored. Basic principles of motor learning theory and motor control will be incorporated as related to teaching movement at selected life stages. This course involves a laboratory and service-learning component.

PE 343 Elementary School Physical Education Content, Methods and Assessment I

This course is an examination of the teaching techniques, strategies, practical applications, and methods commonly used by master teachers of elementary physical education (K-6), according to NASPE standards. Emphasis is placed upon lesson and unit planning, evaluation procedures, class and behavior management, teaching strategies, health promotion concepts, assessment, reflection, and the importance of physical education as an integral part of general education.

PE 344 Elementary School Physical Education Content, Methods and Assessment II

This course is designed to study the dynamic and rapidly changing field of elementary physical education (grades K-6), while acknowledging that the motor domain is integral to the complete education process. Current trends, assessment techniques, components of the elementary physical education program, core content, and NASPE standards will be discussed. Emphasis is placed upon developmentally appropriate physical education content: movement experiences and body mechanics; fundamental locomotor, non-locomotor and manipulative skills; fitness activities; rhythmic activities; stunts and tumbling; simple games and relays; sport skills and activities.

PE 345 Middle/Secondary School Physical Education Content, Methods and Assessment I

This course provides the knowledge, theory and practical application of physical education within the middle and secondary school setting, according to NASPE standards. Students will explore various teaching techniques, class and behavior management strategies, and methods used to teach and evaluate middle and high school students. Students will: 1) design and implement course unit and lesson plans; 2) develop appropriate skill practice sessions; 3) evaluate activities and cognitive knowledge appropriate for middle and secondary students, and, 4) discuss the importance of becoming a reflective practitioner.
PE 346 Middle/Secondary School Physical Education Content, Methods and Assessment II

- 2 hours
- Prerequisites: PE 345, EDUC 366 and admittance to the Teacher Education Program

This course will provide students with the knowledge and understanding required to develop quality middle and high school physical education programs, according to NASPE standards. Applications of fundamental movements in traditional sports and games, adventure activities, and lifetime or leisure-oriented activities will be examined. Students will: 1) develop a conceptual and practical understanding of health-related fitness, as well as an awareness of the vital role that physical education plays in assisting students in maintaining health-related fitness levels; 2) refine the skills and knowledge needed to select physical activities appropriate for middle and high school students; and, 3) develop knowledge of assessment, evaluation, and grading procedures appropriate for the content presented.

PE 365 Kinesiology

- 2 hours

Designed to introduce students to the study of human movement. It will include the identification of planes of motion and the movements possible at the various joints. It will focus on the primary muscles that accomplish each movement and those which serve to assist and stabilize. It will also include the analysis of basic movement patterns such as walking, running, jumping, throwing, and striking.

PE 366 Physiology of Exercise

- 4 hours
- Fulfills: Natural World—Lab
- Prerequisites: BIO 115, 151, 152 or PE 261

Designed to provide scientific background and laboratory experience essential for understanding the nervous, muscular, cardiovascular, and respiratory system responses and adaptation to physical stress. (NWNL when combined with PE 261)

PE 370 Personal Trainer Practicum Practicum

- 1, 2 hours
- Prerequisites: PE-323 PE-224 and PE-247

This experiential learning course is designed to give students the opportunity to apply knowledge, skills, and abilities acquired in the classroom. Students will serve as personal trainers for members of the campus community; provide physical assessments; prescribe appropriate exercise, provide proper instruction on equipment usage; and develop and retain a client base.

PE 456 Administration and Curriculum in Physical Education

- 2 hours
Prerequisites: PE 247.

Administrative and curricular issues in physical education will be explored. Current topics and trends involving physical education and athletic programs will be examined. Students will also explore curriculum models and be afforded practical work in projects involving the elementary or secondary physical education setting.

PE 490 Senior Project

odon 1, 2, or 4 hours
The student majoring in physics will gain a solid background in our current understanding of the physical universe. Learning how that understanding evolves through the interplay between theory and experiment is equally important. The department maintains a computer-based instructional laboratory, a planetarium and an astronomical observing facility for use with classes. Research facilities include computer labs for theoretical research, modern experimental labs and astronomical observatories both on and off campus. Students are encouraged to participate in collaborative research with members of the physics faculty.

**Required for a major:** The program is determined for each student on an individual basis with the approval of his or her major advisor from the physics faculty. The major consists of PHYS 181, 182, 281, 282, 311, 312 and three additional full courses numbered above 300. Two of these additional courses must be chosen from PHYS 361, 364 and PHYS 411. In addition, coursework equivalent to MATH 151, 152, 240 and MATH 351 is required. Students beginning the math sequence above MATH 151 need not receive credit for the courses skipped, only to complete coursework through the MATH 351 level. Writing requirement completed with PHYS 281 and 282. Further supporting courses in mathematics, computer science, and other sciences are desirable. Each program is designed to meet the needs and special interests of the student, and interdisciplinary study is encouraged in order to obtain a broad base for the major. Programs with emphasis in applied physics, engineering, astrophysics, biophysics, energy resources and environmental sciences, geophysics, history of science, teacher preparation, business-science, and technical writing are indicative of the many broad areas that may be developed for the student. Students interested in teaching should see the education department for secondary minor requirements.

**Required for a minor:** Eighteen hours in courses numbered 151 or above, excluding PHYS 185.

**Required for a second teaching area:** See Education department for specific requirements. The second teaching area license is offered only in the state of Iowa.

**Advanced Placement Credit:** Students with exceptional preparation in physics (a thorough calculus-based course) may begin in PHYS 182 or PHYS 281 after consultation with a member of the physics faculty. Students earning a grade of B- or above in this higher numbered course will receive credit for PHYS 181 and (when appropriate) PHYS 182.

**Physics Courses**

**PHYS 112 Energy and the Physical World**

- 4 hours
- Fulfills: Natural World—Lab

The unifying theme of energy molds the study of the physical concepts of motion, gravitation,
electromagnetism, heat, radiation, and nuclear physics. Solar, wind, nuclear, tidal, hydroelectric, and thermal electric energy conversion processes are also included. This course is intended for the general student with no special background in mathematics or science. (Same as ENVS 112 and SCI 112.)

**PHYS 114 Physics of Sound and Musical Acoustics**

- 4 hours
- **Fulfills: Natural World—Lab**

The course explores the physical basis for sound, its production and detection, with applications to speech, hearing, music, and acoustics of musical instruments and buildings. Intended for the student who has special interest in the acoustical phenomena associated with music and human speech. No special background in mathematics is assumed, but basic mathematics will be an important tool used throughout the semester. A basic knowledge of music theory is recommended but not required.

**PHYS 151 General Physics I**

- 4 hours
- **Fulfills: Natural World—Lab, Quantitative**

An investigation of the important principles of physics, including recent developments. Designed for the arts major as well as students majoring in one of the sciences. Together, PHYS 151 and 152 meet the basic requirements in physics for preprofessional students in health related fields, including medicine. Topics include mechanics, energy, fluids, heat, and wave motion. Although this is a non-calculus course, the foundation of physics is mathematical modeling of the physical world. Thus, a basic working knowledge of algebra and trigonometry is assumed and will be further developed as the course proceeds. Graphical and statistical analysis is employed throughout the laboratory component. A student may not receive credit for both PHYS 151 and PHYS 181.

**PHYS 152 General Physics II**

- 4 hours
- **Fulfills: Natural World—Lab, Quantitative**
- **Prerequisites: PHYS 151 or PHYS 181.**

A continuation of the study of physics that builds on the ideas discussed in PHYS 151. Topics include electricity and magnetism, light, optics, atomic and nuclear physics. A student may not receive credit for both PHYS 152 and PHYS 182.

**PHYS 181 Classical Physics I**

- 4 hours
- **Fulfills: Natural World—Lab**

An introduction to the ideas of physics. Topics include Newtonian mechanics, energy, work, oscillations, and fluid dynamics. The laboratory work focuses on measurement and observation to enhance conceptual understanding of the material. The laboratory component is integral to the curriculum and is not offered as a separate course. PHYS 181 is the first of a four-semester
sequence of courses designed for physics and pre-engineering students. PHYS 181 and 182 are also appropriate for students majoring in other physical sciences.

**PHYS 182 Classical Physics II**

- 4 hours
- Fulfills: Natural World—Lab
- Prerequisites: PHYS 151 or PHYS 181.

This course continues the discussion of physical ideas begun in PHYS 181. Topics include optics, electricity and magnetism, electromagnetic waves and electric circuits. The laboratory work focuses on measurement and observation to enhance conceptual understanding of the material.

**PHYS 238 Statics**

- 4 hours
- Prerequisites: PHYS 151 or 181, MATH 151.

Analysis of static equilibrium problems for engineering structures. Involves vectors and scalar treatment of coplanar and noncoplanar force systems. Particle and rigid body equilibrium, area and mass movements of inertia, equivalent force systems, distributed forces, friction, internal forces. Offered alternate years.

**PHYS 281 Modern Physics I**

- 4 hours
- Fulfills: Natural World—Lab
- Prerequisites: PHYS 152 or PHYS 182, MATH 152

An introduction to the thermodynamics and statistical physics, special relativity as well as elementary topics in quantum physics. The history and development of experimental and theoretical work in the physics of the 20th century will be strongly emphasized. The laboratory work emphasizes experimental technique, problem solving and data analysis, and is integral to the curriculum. Topics of investigation in the laboratory will include a number of important experiments drawn from the history and development of modern physics. Students are encouraged to alter or extend many of the experiments and engage in projects.

**PHYS 282 Modern Physics II**

- 4 hours
- Prerequisites: PHYS 281

A continuation of PHYS 281 with applications of quantum physics to nuclear, atomic, solid state, elementary particle physics and astrophysics. Topics of investigation in the laboratory will include a number of classic experiments drawn from the history and development of modern physics. Students are expected to alter or extend many of the experiments and engage in projects. The course includes instruction in scientific writing.
PHYS 311 Advanced Laboratory I

- 2 hours
- Prerequisites: PHYS 282.

An introduction to linear circuits, including transistors and other solid state devices, techniques of electrical measurement, and application of electrical measurement techniques in experiments in modern physics.

PHYS 312 Advanced Laboratory II

- 2 hours
- Prerequisites: PHYS 311

The emphasis of this course is the laboratory study of the principles of experimental design, procedures and analysis. Students design and perform a number of experiments from several branches of physics. The course includes instruction in scientific writing. Students write experimental reports and deliver oral presentations of their results.

PHYS 352 Mechanics of Materials

- 4 hours
- Prerequisites: PHYS 281

Application of Newtonian mechanics to deformable solids, development of equations of elasticity in rectangular and curvilinear coordinates. Stress and strain, torsion, determinate and indeterminate problems, bending and deflection of beams, two-dimensional problems, variational methods and energy principles, fracture, fatigue. Recommended for students considering future study in mechanical engineering, civil engineering, engineering mechanics, or materials science. Offered every three years.

PHYS 354 Astrophysics

- 4 hours
- Prerequisites: PHYS 281

A general, intermediate course on the physics of astronomical objects. Includes introduction to descriptive astronomy. Topics include celestial mechanics, structure of and evolution of stars and topics taken from galactic astronomy and cosmology. Offered every three years.

PHYS 359 Thermal Physics

- 4 hours
- Prerequisites: PHYS 282.

Concepts of entropy, temperature and thermodynamics. An emphasis on classical and quantum statistics with applications to a wide variety of physical systems. Offered every three years.
PHYS 361 Classical Mechanics

4 hours

Prerequisites: PHYS 281.

This course presents kinematics and dynamics of particles using Newtonian, Lagrangian and Hamiltonian techniques. Topics include conservation laws, central force motion, oscillations and normal mode analysis, small oscillations, rotating rigid bodies and motion in noninertial reference frames. Offered alternate years.

PHYS 364 Electricity and Magnetism

4 hours

Prerequisites: PHYS 281.

A study of electric and magnetic fields leading up to Maxwell’s equations and their applications. The topics include the electrostatic and magnetostatic fields in vacuum and in matter, scalar potentials, vector potentials, electrodynamics and electromagnetic waves. Offered alternate years in the spring.

PHYS 369 Numerical Physics

4 hours

Prerequisites: PHYS 281.

This course focuses on approaches to complex physical situations that are not practically solvable using analytical methods. The numerical methods and physical problems studied are applicable to several branches of physics including astrophysics, atomic physics, thermal physics, fluid mechanics, and condensed matter physics.

PHYS 401 Particle and Nuclear Physics

4 hours

Prerequisites: PHYS 282.

This course is intended to introduce students to the properties and interactions of nuclei and elementary particles. Attention will be paid both to the historical experimental development of these related fields as well as their theoretical aspects. Students will be introduced to nuclear properties including stability, structure and reactions, radioactivity and applications of fission and fusion. Among topics in particle physics that will be addressed are the quark model of hadrons, charged-lepton and neutrino physics, the strong and weak interactions, symmetries and conservation laws and experimental methods in particle physics. Offered every three years.
PHYS 411 Quantum Mechanics

�� 4 hours

Prerequisites: PHYS 282.

This course provides an introduction to the theory of nonrelativistic quantum mechanics. Both the conceptual and formal structure of the theory are discussed. A brief review of the experimental basis for quantization motivates the development of the Schrodinger wave equation. The principles of wave mechanics are then applied to various one dimensional problems, including the harmonic oscillator. The properties of angular momentum are developed and applied to central potentials in three dimensions. Matrix mechanics and spin angular momentum are also discussed, allowing for a complete treatment of the physics of hydrogen-like atoms.

PHYS 490 Senior Project

验 1 hour

Students will design and implement a project under the supervision of the faculty. Requires senior standing.

PHYS 491 Senior Project

验 2 hours

Prerequisites: PHYS 490

Students will write a research paper reporting the nature, outcomes, and significance of the project undertaken in PHYS 490.
Political Science

Paul Gardner (department head)

Political science is, in one sense, an ancient discipline. From the beginnings of human society, people have made observations about the nature of their government, the personalities of their leaders, and the consequences of governmental action. Plato, Aristotle, and a long line of great political thinkers have pondered the questions of politics and political institutions. On the other hand, political science as it is taught today is a very new discipline, which has been developed primarily in the United States in the past 100 years. During this period, scholars have attempted to move from mere observations about politics to scientific observations about politics. The goal has been to describe and explain political phenomena with greater accuracy. Political phenomena are studied at various levels—individual, group, local government, national government and international.

Required for a major:

Plan I. Thirty-two hours in the department, including POLS 130, 132; two courses in the 300-370 range; POLS 485. Students will fulfill the writing and speaking requirements by completing POLS 485 and the research requirement by completing POLS 485 and a senior project. The senior project does not have to be completed in political science. Normally a maximum of four internship hours can be counted toward the major, with the exception of the internship completed through the Washington Consortium program. In that case, all six internship credits will apply toward the major. The major is flexible, but it requires frequent consultation with the major advisor.

Students considering graduate study in political science, public policy or public administration should consider taking at least one course in economics and a statistics course.

Plan II (teaching). Same as general major requirements, except that a minimum of 24 hours must be selected from American government topics. A minimum of 34 hours of political science is required in Wisconsin. See education department for secondary education minor requirements.

Required for a second teaching area: See Education department for specific requirements. The second teaching area license is offered only in the state of Iowa.

Political Science Courses

POLS 130 American Politics

- 4 hours
- Fulfills: Human Behavior—Social Science Methods, Historical

An overview of the historical and contemporary practice of American politics that focuses on the nature of politics and government; the founders' ideas about the democratic republic; the constitutional theory and actual distribution of political power among the branches and levels of
government; the problems and possibilities of governing America today; and the avenues available for citizen participation and influence.

POLS 132 Global Politics

4 hours

Fulfills: Intercultural, Human Behavior—Social Science Methods

This course will introduce students to (1) global issues, with examination of themes like globalization, economic development and poverty, global warming, ethnic conflict, democratization and war, and (2) global governance, with emphasis on the role of states, nonstate actors and multilateral institutions.

POLS 171 Mock Trial

0 hours

This course involves preparation by students for the annual National Intercollegiate Mock Trial Tournament. The class will meet one to three times a week, September through early April. Students will work closely with a faculty sponsor and local attorneys who will guide them in preparing the case. Course may be repeated.

POLS 237 Politics of the Middle East

4 hours

Fulfills: Human Behavior, Intercultural, Historical

This course examines the political problems of this vital region of the world, with a focus on the Arab-Israeli conflict, the politics of oil and other resource issues, the role of religion in politics, and the question of democratization. Offered alternate years.

POLS 242 Comparative Political Analysis

4 hours

Fulfills: Human Behavior—Social Science Methods, Intercultural, Historical

An introduction to the theories and concepts of comparative politics. Case studies cover major political systems around the world. The course will emphasize performance as well as historical, cultural and ideological bases of these diverse political systems.

POLS 243 Law and the Quest for Justice

4 hours

Fulfills: Human Behavior

This course will explore the relation between law and justice, with special emphasis on the American legal system. Students will read both imaginative literature and classical and modern legal thinkers and explore the way criminal, civil and human rights operate both in the United States and globally.
POLS 247 Social Policy

☐ 4 hours
☒ Fulfills: Intercultural, Human Behavior—Social Science Methods, Historical

By focusing on current governmental efforts to reduce poverty, this course will investigate the influence of race, gender, class, ideology, demography, organized interests, and a market economy on how social policy is made in America.

POLS 252 Politics and Religion

☐ 4 hours
☒ Fulfills: Historical, Human Behavior, Religion

This course will focus both on the history of the relationship between politics and religion in America and current political issues that are difficult to separate from a very religious and a religiously diverse nation. We will devote significant attention to how religious beliefs influence the way citizens think and act politically and about how government decisions influence religious practices. (Students may use this course to fulfill either the second Religion requirement or the Human Behavior requirement, but not both).

POLS 258 Environmental Politics and Policy

☐ 4 hours
☒ Fulfills: Human Behavior—Social Science Methods

In this course, students will identify and examine environmental issues confronting the United States, as well as the larger world. Students will identify and evaluate both current and proposed policies for addressing those issues. We will pay particular attention to the range of actors involved in the making of environmental policy and will emphasize the relationship among politics, economics, ethics, and science in the making of environmental policies in the United States and internationally.

POLS 335 Terrorism and Democracy

☐ 4 hours
☒ Fulfills: Human Behavior—Social Science Methods, Historical, Intercultural

This course will use works of social science, fiction and film to explore the following issues: the sources of modern terrorism, the political nature of terrorism and the tensions inherent in democracies between civil liberties and national security. A variety of terrorist organizations and countries will be investigated, with special attention to how the United States and other democracies have responded to terrorist attacks.

POLS 350 Economic Policy

☐ 4 hours
☒ Fulfills: Human Behavior

This course will examine the role of the state in the economy in democratic societies. Topics
covered will include international trade policy, the government’s capacity to manage the economy, the balance between state and market force and political pressures that influence economic policies. Offered alternate years.

POLS 353 Political Parties and Interest Groups

☐ 4 hours
✓ Fulfills: Human Behavior—Social Science Methods, Historical

An examination of the function of political parties and interest groups as links between voters and government. What has been the impact of third parties, new campaign techniques, party reforms, single issue and public interest groups, and campaign finance rules? Will American political parties decline as interest groups build strength, or will there be a new party alignment?

POLS 354 Women, Representation, and Politics

☐ 4 hours
✓ Fulfills: Human Behavior—Social Science Methods

This course explores the role of gender in politics through the conceptual framework of representation. Focusing specifically on women’s representation, this course provides a comparative analysis of women’s movements in various countries, explores the role of transnational advocacy networks (TANs) in the implementation of gender-related policies, and discusses the rise in the number of women elected to political offices across the globe and its impact on political systems. (Same as WGST 354)

POLS 355 Constitutional Law

☐ 4 hours
✓ Fulfills: Human Expression—Primary Texts, Human Behavior

Relying primarily on Supreme Court opinion, the course emphasizes how the Supreme Court has and should interpret the Constitution. The course examines the role of the Supreme Court and the allocation of governmental powers within the American constitutional/political system.

POLS 356 Civil Rights and Liberties

☐ 4 hours
✓ Fulfills: Human Behavior, Human Expression—Primary Texts

A study of the relationships between the individual and the state, emphasizing the limitations of government and the civil and political rights of individuals. Both Supreme Court cases and theoretical writings will be used. Offered alternate years.

POLS 357 Congress and the Presidency

☐ 4 hours
✓ Fulfills: Human Behavior—Social Science Methods, Historical
An examination of the role of Congress and the Presidency in the American political system. Included are the powers and responsibilities of both institutions, the relationship between them, struggles over power and influence, and the capacity of Congress and the President to work together to make effective public policy.

POLS 362 The Sustainability of Political and Economic Development in Latin America

☐ 4 hours
☑ Fulfills: Historical, Human Behavior—Social Science Methods, Intercultural

This course is a survey of the political and economic development of Latin America. When thinking about politics and economics in the region, this course will focus on the concept of sustainability and how that affects political systems, economies, and the environment in Latin America. The course will discuss what sustainability means, how it relates to the political process, and how it relates to the current and past political and economic issues faced by Latin American countries. In the course students will develop a sophisticated understanding of some of the most important environmental, economic and political issues of Latin America while paying special attention to how the concept of sustainability, broadly defined, affects these issues.

POLS 363 International Relations

☐ 4 hours
☑ Fulfills: Human Behavior, Historical

An examination of theories and contemporary issues in international relations and international political economy.

POLS 364 United States Foreign Policy

☐ 4 hours
☑ Fulfills: Human Behavior—Social Science Methods, Historical

The first segment of the course examines the evolution of American foreign policy from 19th century isolationism to global power in the 20th and 21st centuries. The second segment explores the making of foreign policy today, with focus on the alternative strategies available to decision makers.

POLS 365 American Political Thought

☐ 4 hours
☑ Fulfills: Human Expression, Human Behavior—Social Science Methods

An examination of how American political thinkers, leaders, and contemporary commentators have dealt with the issues of power, equality, sovereignty, and representation. The course also focuses on the relations in American political thinking between abstract political concepts and practical politics. Offered alternate years.
POLS 366 Political Thought

- 4 hours
- Fulfills: Human Behavior, Human Expression—Primary Texts

An historical survey of western political thought that explores competing visions of the political order. Readings will include selections from classical, modern, and contemporary political philosophy.

POLS 367 Political Leadership

- 4 hours
- Fulfills: Human Behavior, Human Expression—Primary Texts

Political leadership is different than other forms of leadership because politics is a unique activity. We will use biography, fiction, classical political theory, speeches, and contemporary social science writings to study the nature of political leadership. The course will pay special attention to the tension between being a good person and a good leader and will explore the idea of politics as a vocation.

POLS 485 Seminar

- 4 hours

Open to junior or senior political science majors, the seminar will focus on major political thinkers or themes. The course will rely on discussion, student presentations, and independent projects.

POLS 490 Senior Project

- 1, 2, or 4 hours
Psychology

David Njus (department head)

Psychology is the science that studies behavior and mental processes. The course of study offered in psychology is designed to give the student not only knowledge of behavior and mental processes, but also an understanding of how this knowledge is scientifically acquired and applied. The basic psychological processes—learning, memory, motivation, emotions, perception, thinking—in both humans and animals are emphasized. Attention is directed both to the biological basis of behavior and to the interpersonal and social context in which it occurs.

To be a psychologist normally requires graduate education. Professional psychologists work as counselors in schools, institutions, and industry; engage in clinical work in mental health centers, state and V.A. hospitals; teach; conduct research; and engage in many other activities. Students who plan to attend graduate school should discuss this with an advisor and should take statistics early to prepare for the additional research experience necessary for success in psychology graduate programs. Students frequently pursue graduate degrees in related fields as well, such as medicine, law, and theology, and should be aware of specific admission requirements for such programs. Graduates with psychology majors or minors readily find a wide range of immediate employment opportunities in human resources, business, and social services. Such graduates are encouraged to work with their advisors to choose electives that broaden the applicability of their degree.

Requirements for a major: The following psychology courses are required for a major: PSYC 130, two 200 level courses, PSYC 349, 350, two courses numbered between PSYC 351 and PSYC 359, one 400 level course and one 4-credit elective (the elective is chosen from: courses numbering between PSYC 239 and 270; between PSYC 352 and 358; PSYC 381; or between PSYC 461 and 468). If a statistics course judged comparable to PSYC 350 is taken in another department, substitute an additional 4-credit elective course in psychology for PSYC 350.

These psychology courses must be supported by MATH 140 (or above), two Natural World lab courses chosen from: BIO 115, BIO 116, BIO 125, BIO 151 (or above), PHYS 151 (or above), CHEM 141 (or above), ENVS 133 (or above), or SCI 121 (or above). Finally, majors must take either an additional Natural World course (outside of psychology) OR an additional Human Behavior course (outside of psychology). Writing requirement completed with PSYC 352, 353, 354, 356, or PSYC 358.

Students who are interested in completing a class at another institution with the idea of transferring the credits to Luther to satisfy psychology major or minor requirements must have that course approved by the psychology department head before the course is taken.

Psychology majors must have a minimum GPA of 2.00 in all Luther psychology courses (this GPA requirement does not include the non-psychology supporting courses).

Required for a minor: The following psychology courses are required for a minor: PSYC 130, 349, 350; one course numbered between PSYC 351 and PSYC 359, and two 4-credit psychology electives (see listing under requirements for the major). If a statistics course judged comparable to PSYC 350 is taken in another department, substitute an additional 4-credit elective course in psychology for PSYC 350.
Required for a second teaching area: See Education department for specific requirements. The second teaching area license is offered only in the state of Iowa.

Psychology Courses

PSYC 130 General Psychology

- 4 hours
- Fulfills: Human Behavior—Social Science Methods

An introduction to the field of psychology intended for both majors and non-majors. Topics covered include social processes, personality, emotional disorders, development, thinking, testing, learning, motivation, perception, psychobiology, and animal behavior. This course is prerequisite to all other psychology courses.

PSYC 240 Developmental Psychology

- 4 hours
- Fulfills: Human Behavior
- Prerequisites: PSYC 130

Developmental psychology is the branch of psychology that studies how people change as they age. This course focuses on the description, prediction, and explanation of physical, cognitive, and psychosocial aspects of age-related change, from conception to old age.

PSYC 241 Psychology of Health and Illness

- 4 hours
- Fulfills: Human Behavior
- Prerequisites: PSYC 130

This course deals with the scientific and professional contributions of the discipline of psychology to the promotion and maintenance of health; the prevention and treatment of illness; and the identification of etiologic and diagnostic correlates of health, illness, and related dysfunctions.

PSYC 242 Evolutionary Psychology

- 4 hours
- Fulfills: Human Behavior
- Prerequisites: PSYC 130

Evolutionary psychology applies the principles of Darwinian natural and sexual selection to the study of the human mind and behavior. The central assumption of the field is that the mind evolved to solve recurrent survival and reproduction problems in the ancestral environment. Selected topics within evolutionary psychology will be examined and critically evaluated.
PSYC 243 Personality and Individual Differences

- 4 hours
- Fulfills: Human Behavior
- Prerequisites: PSYC 130.

An examination of the major psychological approaches to personality and topics such as cognitive ability, attitudes, and other latent structures underlying consistencies in behavior. Special attention will be given to certain selected theorists and their contrasting views of personal change/consistency, human nature, and psychological investigation.

PSYC 244 Animal Cognition

- 4 hours
- Fulfills: Natural World—Nonlab
- Prerequisites: PSYC 130.

This course is an introduction to the study of cognition in animals, including how animals perceive, think, learn, remember, and communicate. We will explore these issues within both psychological and biological frameworks, and will include topics such as evolution of intelligence, cognition as adaptation, animal consciousness, and language in apes. An emphasis on comparing animal cognitive processes to human cognition will be part of the course.

PSYC 248 Psychology of Religion

- 4 hours
- Fulfills: Human Behavior
- Prerequisites: PSYC 130.

The psychology of religion is the empirical study of human behavior, cognition, and motivation as it relates to religious phenomena. Both classic and contemporary psychological approaches to religion will be discussed in this course, and research on topics such as religious development, morality, spirituality, and the relationship with God will be covered.

PSYC 249 Brain and Behavior

- 4 hours
- Fulfills: Natural World—Nonlab, Human Behavior
- Prerequisites: PSYC 130

This course will explore the biological basis of behavior through the fields of behavioral and cognitive neuroscience. The focus is on how the brain regulates human behavior, with emphasis on particular psychological topics such as developmental processes, perceptual processes, learning and memory, motivation and emotion, thinking, and disorders; as well as biological topics such as neural communication, neuroanatomy, and neurophysiology. Recent research is discussed in terms of its applications to understanding human behavior and brain disorders.

PSYC 270 Psychology and Aging

- 4 hours
This course is designed to examine psychological aspects of growing older in the 21st century. Students will be introduced to the current methodologies used to study aging as we explore the physical, cognitive, and psychosocial changes in individuals over the age of 60. The lecture, readings and assignments will address a range of topics that include expected versus abnormal changes in memory, creativity, the shifting roles of the elderly in family and society, and coping with illness and loss. In light of the fact that individuals over the age of 85 are the fastest-growing segment of the global population, and that the majority are women (approximately 2:1), we will also study changes associated with gender roles and sexuality during our later years. A major goal for this course is to foster a clearer understanding of the processes associated with normal aging and to dispel a number of the stereotypes that surround this time of life. (Same as WGST 270)

PSYC 349 Research Methods in Psychology

2 hours
Prerequisites: PSYC 130.

This course provides an introduction to the ways in which the scientific method is applied to psychology. Attention is given to the methods used by psychologists to describe, predict, and explain psychological phenomena. Students will learn the nature of observational, quasi-experimental, and experimental methods, with a specific focus on issues of reliability and validity.

PSYC 350 Behavioral Statistics

4 hours
Prerequisites: PSYC 130; MATH 110 or MATH 115 or MATH 140 (preferred) or above.

A first course in statistics which introduces descriptive and inferential statistical tools as they apply to organization and analysis of data in the behavioral sciences.

PSYC 352 Cognitive Processes

4 hours
Prerequisites: PSYC 130, 349 and 350

A study of the mental processes involved in the acquisition, organization, representation, and retrieval of information by humans. Topics to be covered include attention, recognition memory, short-term and long-term memory, concept formation, problem solving, and creativity. Lecture, discussion, and weekly laboratories. Students conduct original research.

PSYC 353 Social Psychology

4 hours
Prerequisites: PSYC 130, 349, 350.

Social psychology is the scientific study of how people think about, influence, and relate to one another. Some major topic areas include attitude formation and change, aggression, attraction, conformity, person perception and group processes. Lectures, discussions, and weekly laboratories will be held. Students will be involved in original research.
PSYC 354 Learning and Behavior

4 hours
Prerequisites: PSYC 130, 349, 350

A study of the basic theories, methodology, and findings in the areas of classical and operant conditioning and learning for both humans and animals. Applications, including behavioral modification, will be emphasized throughout the course. Lecture, discussion, and weekly laboratories.

PSYC 356 Stress, Coping, and Well-Being

4 hours
Prerequisites: PSYC 130, 349, 350.

This course focuses on psychological, biological, and social factors involved in stress, coping, and well-being. Correlates, causes, and consequences of stress will be examined, as well as the role of appraisal and coping as mediating/moderating influences. Students will conduct and present original research on stress, coping and well-being. Topics to be covered include: models of stress, measurement, stressful events, appraisals, coping, adaptation, and treatment.

PSYC 358 Psychology of the Workplace

4 hours
Prerequisites: PSYC 130, 349, and 350.

This course focuses on the major research areas involved in the field of Industrial-Organizational Psychology, the scientific study of people at work. Some major topic areas include job analysis, employee selection, work stress, job attitudes, motivation, and work-life balance. Lectures, discussions, and weekly laboratories will be held. Students will be involved in original research.

PSYC 430 Applied Psychology

4 hours
Fulfills: Human Behavior
Prerequisites: PSYC 130.

This course provides an overview of the application of psychological theories and research to practical problems in several occupational disciplines (e.g., education, law, sports, consumer behavior, ergonomics, environmental sustainability). Students will be expected to demonstrate an understanding of the roles, responsibilities, and career opportunities for those with undergraduate and graduate degrees in the various sub-fields of psychology. Emphasis will be placed on exploring the relevance of psychological concepts to students’ everyday lives and career interests.
PSYC 465 Abnormal Psychology

Credit Hours: 4

Prerequisites: PSYC 130, a 200-level psych course, and junior status

An examination of the major psychological disorders including depression, schizophrenia, personality disorders, psychosomatic disorders, organic disorders, and the disorders of childhood. Emphasis is placed on the description and classification of psychopathology and on the research relating to etiology and treatment.

PSYC 466 Psychological Tests and Measurement

Credit Hours: 4

Prerequisites: PSYC 130, 350.

This course is designed to acquaint the student with psychological measurement, in general, and psychological tests, in particular. The course will survey the measurement of aptitude, personality, interest, and adjustment using objective tests, projective tests, rating scales, and interviews. The validity, reliability, and application of these measurement techniques will be emphasized.

PSYC 468 Intro to Counseling

Credit Hours: 4

Prerequisites: PSYC 130, 465.

An introduction to models of counseling with emphasis on selected processes and skills necessary to apply the models in a variety of settings. One class meeting per week is devoted to practice of skills. Other topics include professional ethics and the efficacy of major models of counseling.

PSYC 490 Senior Project

Credit Hours: 1, 2, or 4
How can people on both sides of a conflict claim that God is on their side? Why do some faith communities affirm women in leadership positions while others do not? How can someone claim faith in a particular religious tradition while also valuing the traditions of another? Through questions like these, courses in the study of religion prepare students for lives of deep reflection and civic engagement by inviting them to think critically about the role that religious ideas, literatures, rituals, institutions, and values play in shaping individuals and societies both historically and in the contemporary world.

The study of religion at Luther College seeks to be interdisciplinary, intercultural, and transformative. It is interdisciplinary in that religion courses draw on a wide array of perspectives from fields such as history, literature, the social sciences, and philosophy to make sense of the role religion plays in the world, helping students to integrate and synthesize learning from their other courses. It is intercultural in that students engage religious faith and practice in a global context, empowering them to move beyond a concern for immediate interests into a greater awareness of their place in a complex and ever-changing world. It is transformative by raising critical questions about fundamental aspects of religious faith and practice in order to expand students’ understandings of both self and others, leading to a life of purposeful service in the world.

The study of religion provides a strong complement to programs of study in business, international studies, law, library science, literature, medicine, music, political science, and psychology, while also forming a foundation for careers in ordained and lay ministry, social service, volunteer service, and social advocacy. Many of our majors and minors pursue graduate study in theology and religious studies.

Because the academic study of religion provides a strong foundation for the liberal arts, all Luther students take two religion courses as part of the common ground experience of the general education program. The first of these is a course in biblical literature, where students develop the skills of close reading, analysis, and critical inquiry necessary for further study in religion and the liberal arts. The second course may be drawn from the full array of religion course offerings. Course offerings at the 200 level provide students broad surveys of religious traditions and topics. Courses at the 300 level (excluding REL 380 and 381) provide students the opportunity to study particular religious traditions and topics in greater depth and require more intensive writing and research.

The requirements for the religion major and minor are listed below. Students planning to major or minor in religion should consult with faculty in the department; preseminary students should also consult with campus pastors.

**Required for a major:** Nine 4-credit courses, distributed as follows: one introductory course (REL 101, 111, 112); two core courses from the Christian tradition (REL 221, 232, 241); two core courses from at least one additional religious tradition (REL 251, 256, 257, 261, 262, 263); one seminar (REL 485); and three electives from departmental offerings in religion (excluding REL 185), two of which must be courses numbered 300-374 or 485. One of the three electives may be chosen from biblical languages (GRK 201, 375; HEB 101, 102, 201) and one may consist of a 4-credit REL 395. Writing requirement completed with REL 485.
**Ethical perspective:** Because ethics is an important sub-discipline in the study of religion, religion majors will engage in the study of ethical perspectives in most of their courses. Religion majors, therefore, will fulfill this general education requirement by completing the major. Students interested in a special focus on ethics are encouraged to take one or more of the following courses: REL 233, 241, 242, 243.

**Writing:** Because critical thinking and communication depend on this skill, most religion courses require writing. Departmental offerings in religion numbered 300 and higher (excluding REL 380 and 381) involve intensive writing. Religion majors, therefore, will fulfill this general requirement by completing the major.

**Required for a minor:** Five 4-credit courses, distributed as follows: one introductory course (REL 101, 111, 112); one core course from the Christian tradition (REL 221, 232, 241); one core course from at least one additional religious tradition (REL 251, 256, 257, 261, 262, 263); one seminar (REL 485); and one elective course numbered 300-374 or 485 from departmental offerings in religion.

Note: Each student must take one introductory course (REL 101, 111, or 112) as a prerequisite to all other religion courses and as partial fulfillment of the general graduation requirements. These courses focus on the academic study of biblical literature and may be taken during the first or second year.

**Religion Courses**

**REL 101 Introduction to Biblical Studies**

- 4 hours
- Fulfills: Religion, Biblical Studies

An introduction to the academic study of biblical literature with an emphasis on selected writings, themes, and methods of interpretation. Students will also become familiar with extra-biblical sources (textual and archaeological) which contribute to understanding the Bible in its historical, socio-economic, theological, and literary contexts. Students who earn credit for REL 101 may not earn credit for REL 111 or 112.

**REL 111 Introduction to Hebrew Bible Studies Apocrypha**

- 4 hours
- Fulfills: Biblical Studies, Religion

An introduction to the academic study of the literature of the Hebrew Bible and Apocrypha/Deutero-canon with an emphasis on selected writings, themes, and methods of interpretation. Students will also become familiar with extra-biblical sources (textual and archaeological) which contribute to understanding the Hebrew Bible and Apocrypha/Deutero-canon in their historical, socio-economic, theological, and literary contexts. Students who earn credit for REL 111 may earn credit for REL 112 but not for REL 101.

**REL 112 Introduction to New Testament Studies**

- 4 hours
- Fulfills: Biblical Studies, Religion
An introduction to the academic study of the literature of the New Testament with an emphasis on selected, writings, themes, and methods of interpretation. Students will also become familiar with extra-biblical sources (textual and archaeological) which contribute to understanding the New Testament in its historical, socio-economic, theological, and literary contexts. Students who earn credit for REL 112 may earn credit for REL 111 but not for REL 101.

REL 211 Bible and Christian Faith

4 hours
☑ Fulfills: Religion, Human Expression—Primary Texts
☐ Prerequisites: REL 101, 111 or 112.

The Bible, commonly called the "Word of God," has always been more than "a book" for Christians. Contemporary forms of biblical criticism, however, have posed challenges for many Christians who look to the Bible as a resource for Christian faith and practice. In general, this course will wrestle with two fundamental questions: 1) What is the Bible? and 2) What is faith? In particular, it will examine possible relationships between the Bible and Christian faith. Attention will be given to the "battle for the Bible" between so-called "conservatives" and " liberals." The issues considered in this course will be analyzed within the context of examining the ways in which the relationship between the Bible and one's faith influences how one thinks about and lives in the world and with others.

REL 212 Sex in Religious Texts

4 hours
☑ Fulfills: Human Expression—Primary Texts, Religion
☐ Prerequisites: REL 101, 111, OR 112.

This course will explore constructions of gender and sexuality in the texts of two or more religious traditions. Students will be introduced to contemporary theories of gender and sexuality that they will use to analyze primary texts in relation to their sociopolitical and religious contexts. Specific topics may include competing representations of men and women, different constructions of marriage, the use of marriage as a metaphor, the role of sexuality in mystical traditions and spiritual manuals, and representations of homoeroticism and bisexuality in religious texts. (Same as WGST 212)

REL 213 Archaeology and the Bible

4 hours
☑ Fulfills: Religion, Historical
☐ Prerequisites: REL 101, 111, or 112.

This course will explore the role of archaeology in biblical studies as well as studies of the history of ancient Israel. The course will consist of an examination of the methods and techniques used in Palestinian archaeology; an overview of the role that archaeology has played in biblical studies from the nineteenth century to the present; and an examination of specific archaeological sites and artifacts and their relation to biblical texts. Offered alternate years.
REL 214 Lost Scriptures

☐ 4 hours
☑ Fulfills: Human Expression—Primary Texts, Religion
☐ Prerequisites: REL 101, 111, or 112.

This course will examine writings which were considered sacred by some Jewish and Christian groups but which were not included in the orthodox canons of the Hebrew Bible or the New Testament. Students will analyze selected texts in their social, historical, ideological, and religious contexts, and they will use these texts to identify and to analyze diverse ancient forms of Judaism and Christianity. The sources of texts include the Old Testament Pseudepigrapha, the Dead Sea Scrolls, the New Testament Apocrypha, and the Nag Hammadi Library.

REL 215 Sacred Texts & Religious Diversity

☐ 4 hours
☑ Fulfills: Human Expression—Primary Texts, Religion
☐ Prerequisites: REL 101, 111, or 112.

This course will explore contemporary religious diversity through the critical, comparative study of sacred texts from two or more religious traditions. Students will examine the relationship between diversity within and among sacred texts and diversity within and among historical and contemporary expressions of each religious tradition. They will also consider the role of sacred texts in interfaith engagement.

REL 221 History of Christian Thought

☐ 4 hours
☑ Fulfills: Religion, Human Expression—Primary Texts, Historical
☐ Prerequisites: REL 101, 111 or 112.

A survey of central events, ideas, and figures in the history of Christianity from the early church to the present. The course will focus on primary texts, and attention will be given to the ways that Christian theology has developed over the centuries within a variety of cultures.

REL 222 Religion in America

☐ 4 hours
☑ Fulfills: Religion, Human Behavior, Historical
☐ Prerequisites: REL 101, 111, or 112

A historical survey of the role of religion in American life, focusing on the interaction between religion and culture in the United States. The course will examine the development of religious pluralism in the U.S. and explore selected issues that have arisen and continue to affect American culture, such as religious liberty, revivalism, utopianism, immigration and ethnicity, slavery, fundamentalism, and the contributions of women and minorities.

REL 223 Christianity and Its Modern Critics

☐ 4 hours
A survey of the more prominent critics and criticisms of Western Christianity from the Enlightenment to the present. Students will engage critics from a variety of spheres, including philosophy, theology, politics, science, literature, journalism, and popular culture. Criticisms of traditional Christian beliefs in the existence of God, the afterlife, and the possibility of miracles, among others, will be addressed, as will accusations of Christianity’s detrimental influence on constructions of race, gender, and sexuality.

REL 227 Luther and Lutheranism

- 4 hours
- Fulfills: Religion, Human Expression—Primary Texts, Historical
- Prerequisites: REL 101, 111 or 112.

This course closely examines the life and thought of Martin Luther, provides an overview of the development of Lutheran Churches from the Reformation to the present, and explores some of the issues debated in Lutheran Churches today.

REL 230 Philosophy of Religion

- 4 hours
- Fulfills: Human Expression—Primary Texts, Religion
- Prerequisites: REL 101, 111 or 112

A study of attempts to bring rational justification and clarification to religious beliefs and practice, focusing primarily on the concepts of Christian theology. Topics will include: the existence and attributes of God, faith and reason, death and immortality, miracles and revelation, the problem of evil, and religious pluralism. (Same as PHIL 130)

REL 231 Psychology and Religion

- 4 hours
- Fulfills: Human Expression, Religion
- Prerequisites: REL 101, 111, or 112.

This course explores the intersections between psychology and religion. It examines how psychological theories can illuminate religious practices and rituals and what religious texts and beliefs can contribute to the understanding of the human mind. In particular, the course focuses on similarities between the trajectory of spiritual progress as proposed in selected religious texts and Analytical Psychology, the use of meditation techniques and rituals in therapy, and the recent dialogue between Buddhist psychology and Cognitive Science. In its analysis of religious rituals, texts, and practices, the course focuses predominantly on spiritual guides, ritual manuals, and meditation theory from Buddhism, Christianity, and Daoism.

REL 232 Christian Theology

- 4 hours
- Fulfills: Religion, Human Expression—Primary Texts, Intercultural
A study of teachings basic to the Christian faith using classical and contemporary sources from both the Protestant and Catholic traditions, such as those about God, relations among religions, Jesus, the Church, and creation and its interpretations for today in light of their biblical and historical foundations.

**REL 233 God and Gender**

- 4 hours
- Fulfills: Religion, Human Expression, Intercultural
- Prerequisites: REL 101, 111, or 112

An investigation of how our understanding and experience of gender are connected to our views of God, human beings, and the natural world. The course explores the works of a variety of thinkers and pays special attention to issues raised by feminist theologians who stand both inside and outside the Christian tradition. Possible topics include: language about God, human sexuality, views of women in the Bible, the nature of biblical authority, the feminist movement, the men’s movement, images of nature in Western religious thought, and the ordination of women. (Same as WGST 337)

**REL 235 Science and Religion**

- 4 hours
- Fulfills: Religion
- Prerequisites: REL 101, 111, or 112.

Ever since the rise of modern science in the 17th-century, a lively debate has ensued in the West centered on supposed conflicts between the methods and content of science and those of the religion. Can the universe be explained by appeal to natural processes alone or is it necessary to posit the reality of a non-material (or spiritual) dimension? Where can traditional religious understandings fit into a world dominated by scientific truth? This course will explore these questions through an exploration of the creation/evolution debate, theories of emergence and mind, and modern cosmological theories, considering in each case the implications of how we answer these questions for the building of a sustainable future.

**REL 241 Christian Ethics**

- 4 hours
- Fulfills: Religion, Human Expression—Primary Texts
- Prerequisites: REL 101, 111, or 112.

An introduction to the biblical and theological sources of Christian ethics, types of moral theories, and methods of moral deliberation. Students develop a moral framework for a response to a variety of issues related to human sexuality, business, ecology, business, medicine, and war.

**REL 242 Dietrich Bonhoeffer**

- 4 hours
- Fulfills: Religion, Human Expression—Primary Texts
An introduction to the life and thought of Dietrich Bonhoeffer, a Lutheran theologian executed for his participation in a conspiracy to assassinate Adolf Hitler. His theological ethics are examined in their historical context through three major primary texts: The Cost of Discipleship, Ethics, and Letters and Papers from Prison. Attention is given to the significance of Bonhoeffer’s work for today. Offered alternate years.

**REL 243 Environmental Ethics**

- 4 hours
- Fulfills: Religion, Human Expression—Primary Texts
- Prerequisites: REL 101, 111, or 112.

A critical examination of issues in environmental ethics from diverse Christian perspectives. The course examines root causes of environmental problems, philosophical and theological assumptions about nature, and resources for response in Christian traditions. Particular attention is given to demographic and economic factors at the global level as well as personal consumption decisions at the local level. Case studies ground reflection in concrete situation. Typically offered during alternate years at Holden Village, a Lutheran retreat center in the Cascade Mountains of Washington state. Offered alternate years.

**REL 250 Living Religions**

- 4 hours
- Fulfills: Human Expression, Intercultural, Religion
- Prerequisites: REL 101, 111, or 112.

This course explores the ways religion constitutes a vital force in the 21st century. It explores questions such as: what is religion, how can we study religion, why does religion appeal to people in an age of science, and how does religion facilitate personal and social transformation? The course integrates field trips, critical analysis, literature and films, the study of religious art, and theoretical reflection in order to examine the role religion plays in today’s world. Particular emphasis will be given to religious worldviews, practices, art, and ethics. While the course focuses on the phenomenon of religion in general rather than individual religious traditions, the course addresses religious diversity worldwide as well as in the Midwest.

**REL 251 Judaism**

- 4 hours
- Fulfills: Religion, Human Expression—Primary Texts, Historical, Intercultural
- Prerequisites: REL 101, 111, or 112.

The course will provide a basic introduction to the development of Judaism as a religious culture from its beginnings to the present day. By reading primary texts from the biblical, rabbinic, medieval, and modern periods, students will examine religious experiences, worldviews, beliefs, behaviors, and symbols of the Jewish tradition, and the historical forces - cultural, political, social and economic - that have shaped Judaism. Throughout the course we will address issues raised by the history of Judaism that are particularly relevant today - imperialism, genocide, post-Holocaust theology, the State of Israel, gender, and so on.
REL 256 Islam

This course will introduce students to the history, development, and theological traditions of Islam. Special attention will be given to Muhammad and the founding of the Muslim community; the Quran and Sunnah (the way of the Prophet) and their roles as sources for Muslim religious traditions; and the various expressions of Islam in the contemporary world, especially revivalism and modernism. The relationship between Islam and Christianity will also be a topic of consideration.

REL 257 Contemporary Islamic Movements

This course explores the development and influence of a variety of Islamic movements that are growing in the contemporary world. After an overview of the basic structure of Islamic thought and of the Islamic Revivialist and Modernist movements of the nineteenth and twentieth centuries, attention will be given to contemporary expressions of these larger trends such as Islamic Democracy, Islamic Economics, Islamic Feminism, and Progressive Islam. Special attention will be given to the role of Islamic thought in the post-9/11 world.

REL 261 Religions of South Asia

This course will introduce the religious and philosophical traditions of South Asia. Particularly, it will focus on historical, textual, and doctrinal foundations of Hinduism, Buddhism, Jainism, and Sikhism. It will analyze excerpts of their sacred scriptures, survey their beliefs, study their practices, and explore their ethical systems. Additional consideration will be given to contemporary issues facing these traditions.

REL 262 Religions of East Asia

This course will introduce the religious and philosophical traditions of China, Korea, and Japan. Particularly, it will focus on the historical, textual, and doctrinal foundations of Buddhism, Confucianism, Daoism, and Shintoism. It will analyze excerpts of their sacred scriptures, survey their beliefs, study their practices, and explore their ethical systems. Additional consideration will be given to contemporary issues facing these traditions.
REL 263 Experiencing Mahayana Buddhism

- 4 hours
- Fulfills: Religion, Intercultural, Human Expression—Primary Texts
- Prerequisites: REL 101, 111, or 112.

This course introduces students to Mahayana Buddhism. It explores the development of Mahayana Buddhism, its relationship with other religious traditions, and its influence on culture. The primary teaching method is experiential. Students will visit temples in China and/or Japan, have instructions by an abbot, participate in the monastic life, will meet scholars of Buddhism, visit holy sites, and participate in Buddhist worship. The students will spend three days in a temple, joining the monks in meditation and religious practice. In addition to this experiential dimension, the course will familiarize students with the history, scriptures, and beliefs of Mahayana Buddhism through readings from primary texts, lectures, videos, and class discussions. It will further analyze the Buddhist response to general topics and problems, such as the absolute, the notion of self, the problem of human existence, as well as soteriological and ethical issues.

REL 264 Disaster and Enlightenment: Pilgrimages In Japan and China

- 4 hours
- Fulfills: Human Expression, Intercultural, Religion
- Prerequisites: REL 101, 111, or 112.

This course explores traditional and new forms of pilgrimages in China and Japan. In particular, it examines two kinds of pilgrimages: traditional ones to sacred mountains, sanctuaries, and other religious pilgrimage sites, on the one side, and pilgrimages to memorials that commemorate immense natural and human catastrophes in Sendai (3/11 earthquake and tsunami), Hiroshima (dropping of the atomic bomb), and Nanjing (1937/8 massacre), on the other. What connects these two kinds of pilgrimages is the importance attributed to memory, the desire for healing, and the need for reflection. The goal of this course is to investigate the religious and political dimensions of memory, self-cultivation, and contemplation. The course accomplishes this goal by examining questions such as: what is the social dimension of religious pilgrimages, what is the moral dimension of memory, and what is the spiritual dimension of healing and reconciliation? Offered only during January term.

REL 265 Religious Narratives in Japan: Demons, Sex, and Martial Arts

- 4 hours
- Fulfills: Human Expression—Primary Texts, Intercultural, Religion
- Prerequisites: Take Rel-101 Rel-111 or Rel-112

This course examines religious themes in and the religious function of various narrative forms in Japan. The narratives studied in this course assume a spiritual topography that includes demons, ghosts, and gods, probe the gender and sexual identities of their characters, and introduce self-cultivation techniques such as martial arts. In particular, this course will focus on two traditional, narrative forms, Kabuki and No, and two contemporary ones, Manga and Anime. Some Kabuki and No plays function as religious ritual, while some Manga and Anime consciously reflect on moral attitudes and religious beliefs. These forms are also the product of various interactions among Japanese, Chinese, and American cultures. Analyzing these four kinds of cultural and religious expressions, the course examines the role of religious ritual and sacred texts in premodern as well as contemporary Japan. The course introduces students to religious studies methodology, critical theory (including gender and queer studies), and intercultural analysis. It will also deepen the skills
in textual and literary criticism introduced in the courses fulfilling the Bible requirement. This course exposes students equally to the study of Japanese culture and the religious phenomenon.

REL 270 Religious Identity and Interfaith Engagement

- 4 hours
- Fulfills: Human Expression, Religion, Intercultural
- Prerequisites: REL 101, 111, or 112.

This course explores issues of religious identity and interfaith engagement in a pluralistic world. Through a variety of methods, including textual study, theoretical reflection and a case study approach, we will discuss questions such as: what is religious identity, is it possible to identify with more than one religious tradition, can one remain committed to a single religious tradition in a pluralistic world, and how can people of different faiths build relationships with each other and work together for the common good? In addition, this course will examine interreligious encounters in a variety of contexts (in the United States and globally), and analyze responses to religious pluralism from a number of different religious perspectives.

REL 312 The World of the Bible

- 4 hours
- Fulfills: Religion
- Prerequisites: REL 101, 111, or 112.

Using archaeological, literary and artistic sources together with the Bible, this course examines the environment within which the biblical books were written. Both Old and New Testaments are examined in the light of outside sources.

REL 314 Teaching the Bible

- 4 hours
- Fulfills: Religion
- Prerequisites: Take Rel-101 Rel-111 or Rel-112

In this course, students will apply interpretive methods to biblical texts in order to develop an understanding of the context and significance of these texts, then develop educational programs for use in a congregational setting that reflect this analysis. The entirety of the course will consist of collaborative work in groups. Class time will consist of four weekdays and Sunday mornings; a significant amount of the course will consist of group work outside of class. In groups of 4-5 people, students will choose a text appropriate for a specific age group, apply interpretive methods to that text, and develop a Sunday School lesson for that age group. Groups will rotate to different Sunday School classes each week. In addition, students will develop an outline for an adult education series, and assess existing curricular materials after the experience of developing their own programming.

REL 316 Jesus and the Gospels

- 4 hours
- Fulfills: Religion, Human Expression—Primary Texts
- Prerequisites: REL 101, 111, or 112.
An examination of the different ways in which the Jesus tradition was assimilated in the first two centuries of the Common Era. The course centers its attention on the four New Testament portraits of Jesus because they became the accepted interpretation of Jesus. Those portraits will be compared and contrasted with other ancient options available from recent discoveries. Topics studied will include: the canonical Gospels and the Synoptic problem, several non-canonical Gospels (including especially the Gospel according to Thomas), and the quest for the historical Jesus.

REL 332 Human Nature and Religion

4 hours

Fulfills: Human Expression—Primary Texts, Religion, Human Behavior
Prerequisites: REL 101, 111, or 112.

All religious traditions are in some measure shaped by their conceptions of human nature. Academic theories of religion, too, are shaped by conceptions of human nature. Human self-understanding is therefore central both to the believer’s search for religious meaning and to the scholar’s search for the meaning of religion. This course will examine the roles played by conceptions of human nature in various religious traditions and in various theories of religion. The course will also assess whether and how contemporary scientific accounts of human nature challenge traditional belief systems. Offered alternate years.

REL 362 Spirituality and Sexuality

4 hours

Fulfills: Religion, Human Expression—Primary Texts
Prerequisites: Take Rel-101 Rel-111 or Rel-112.

This course will explore the construction of gender and the role of sexuality in a variety of mystical and spiritual traditions. It will investigate gender and the sexual politics in primary texts and sexual imagery employed to describe spiritual progress and transformation. Specifically, it will investigate what gender and sexual imagery is used in religious scriptures that outline the progress of spiritual transformation, what the role of sexuality is in mystical traditions and meditation manuals, what the political implications of using the metaphor of marriage to describe spiritual practice and the beliefs they are based on are. In addition, the course will analyze feminist readings of mystical writings and meditation manuals from within a variety of religious traditions. Prerequisite: one of 101, 111, or 112. (Same as women’s and gender studies 362.)

REL 364 Topics in Asian Religions

4 hours

Fulfills: Religion
Prerequisites: REL 101, 111, or 112.

This course will explore one particular topic in the field of Asian religions. Likely topics include meditation theory, nationalism and religion, and theories of justice. This course is designed for students with a particular interest in Asian studies, religious studies, or philosophy. Offered alternate years.
Religious diversity is a reality that we can no longer avoid. It challenges us to take seriously the spiritual and religious commitments of others and to reflect more critically on our own questions about and commitments to religion. This course will introduce students to the larger theological issues involved in interreligious dialogue and learning, a field known as comparative theology. Incorporating thinkers from at least three religious traditions and putting them into conversation with one another, the course will explore the following questions from a theological perspective: How does globalism and the fact of religious diversity influence my beliefs? What are various ways of thinking about god, the world, and our place in it? What is the significance of my neighbor’s faith for my own? How might an engagement with other religious traditions shape and transform my own religious identity?

REL 371 Jesus and Jihad: A New Approach to Comparative Religion

- 4 hours
- Fulfill: Religion
- Prerequisites: REL 101, 111, or 112.

A contemporary Muslim scholar, Amin Ahsan Islahi, has stated that Jesus urged his disciples on to wage jihad. Given the negative images often associated with a concept like jihad, this might seem like a heretical statement. Several new lines of research, however, suggest that connecting Jesus with jihad might provide an interesting way to rethink the fields of comparative religion studies and interfaith relations. This course will combine newer insights emerging in the study of the New Testament, early Islamic history, and theoretical approaches to the study of religion to consider whether the Jesus/jihad connection makes sense, though perhaps in a way different than Islahi intends. Could connecting Jesus with jihad provide a new way to conceive of the relationship between Christians and Muslims?

REL 490 Senior Project

- 1, 2 hours
Russian Studies

**David Thompson** (department head), **Laurie Iudin-Nelson** (section leader, program director)

The Russian studies major is intended to provide students with sufficient background in Russian language and culture to permit consideration of graduate work in related fields. It is also intended to prepare students in such diverse fields as economics, business, political science, history, anthropology, international relations, the sciences, medicine, law, social work, and education to enter their vocation prepared to contribute to decisions and issues which relate to Russian-American interactions.

The Russian studies minor may be taken in conjunction with any major of the student's choice. Students should consult with the appropriate department for details regarding those majors. Courses normally do not count for both a major and a minor. Russian language study is a central component of both the major and the minor in Russian studies.

The following courses are approved as electives for the Russian studies major and minor:

- **List A:** FCUL 241/RUS 241, 341, HIST 254
- **List B:** FCUL 243/RUS 243/WGST 243, FCUL 350/RUS 350

**Requirements for a major:** 36 hours including RUS 201, 202, and RUS 345; three elective courses from the preceding list of approved courses in Russian studies, including one course from list A and one course from list B; a language immersion experience; a senior project. Writing requirement completed with FCUL 243/RUS 243/WGST 243, FCUL 350/RUS 350, or RUS 345. Russian Studies majors who choose to complete a senior project in a second major are not required to complete the senior project in Russian Studies.

**Requirements for a minor:** A minimum of 20 hours including RUS 201, 202, and at least three courses selected from the preceding list of approved courses in Russian studies.

Appropriate special topics courses, Paideia 450 courses, and study-abroad courses are reviewed by the Russian Studies Board and may be approved for the Russian Studies major and minor. Students may petition the Russian Studies Board to have relevant courses meet degree requirements.

**Language immersion experience:** For majors, a minimum of a semester of academic study (minimum of 12 credits) in a country where Russian is an official language. For minors, a language immersion experience is strongly recommended, but not required. Program selection must be approved by the department for all majors and minors prior to departure. All majors and minors are encouraged to help maintain and advance their language skills by completing courses in the language during their final semesters at Luther.
Language Learning Center

The department of Modern Languages, Literatures, and Linguistics has a Language Learning Center in Main Building. Language students have access to computerized language learning materials, to computers with audio and video editing software, and to video study rooms where they may view prerecorded foreign language videos and DVDs or watch live international TV. The Languages Learning Center also houses the department’s Foreign Language Media Library with over 800 foreign language films and a selection of leisure reading books and audio books for language learners. Students can check out these materials as well as audio and video equipment for their class assignments. The Language Learning Center also provides language students with valuable work-study experiences related to their interest in languages.

For Russian literature and culture courses in English translation, see foreign culture.

Russian Studies Courses

RUS 101 Beginning Russian I

オリ 4 hours

Introduction to Russian grammar through reading, writing, listening, and speaking in Russian. The course will focus upon developing speaking and listening comprehension skills with a framework of practical vocabulary and grammatical structures. The student will also gain an appreciation of Russian culture and contemporary life through music and audiovisual materials.

RUS 102 Beginning Russian II

オリ 4 hours

オリ Prerequisites: RUS 101

Introduction to Russian grammar through reading, writing, listening, and speaking in Russian. The course will focus upon developing speaking and listening comprehension skills with a framework of practical vocabulary and grammatical structures. The student will also gain an appreciation of Russian culture and contemporary life through music and audiovisual materials.

RUS 201 Intermediate Russian

オリ 4 hours

オリ Prerequisites: RUS 102.

A continuation of the study of Russian grammar. Speaking proficiency will be developed through active class participation. Emphasis will be placed on developing writing skills in Russian and in reading authentic texts. Students will continue developing listening comprehension skills through use of music and audiovisual materials.
RUS 202 Intermediate Russian

- 4 hours
- Prerequisites: RUS 201

A continuation of the study of Russian grammar. Speaking proficiency will be developed through active class participation. Emphasis will be placed on developing writing skills in Russian and in reading authentic texts. Students will continue developing listening comprehension skills through use of music and audiovisual materials.

RUS 241 Russian Culture Through Film

- 4 hours
- Fulfills: Human Expression—Primary Texts, Historical, Intercultural
- Prerequisites: RUS 202

This course will cover 20th-century Russian/Soviet culture and history through the medium of film. We will begin with classics of early Soviet film (including Eisenstein, Vertov, Pudovkin) and then view and discuss classic films of the Stalinist era and World War II (1930’s-50’s). We will continue with classic films and comedies of the 60’s and 70’s (including Ryazanov, Gaidai, Tarkovsky). The later 1980’s-90’s (glasnost, perestroika, and the post-Soviet era) witnessed the emergence of films that revealed difficult social and historical themes (for example, Little Vera, Burnt by the Sun, Prisoner of the Caucasus, Brother I). The course will conclude with discussion of film and society in present-day Russia. Films are in Russian (with English subtitles). Students without background in Russian language should enroll in FCUL 241 which is taught in English and readings and writing assignments are in English. Russian language students who have completed the prerequisite of RUS 202 may elect to enroll in this course, rather than FCUL 241, for supplementary readings in Russian. Offered on a rotating basis.

RUS 243 Time of Stalin: Literature and Memoirs

- 4 hours
- Fulfills: Intercultural, Historical, Human Expression—Primary Texts
- Prerequisites: RUS 202

This course, through the medium of literature and memoirs, focuses on Russia/Soviet Union in the early years after the Bolshevik Revolution (1917) until Gorbachev’s glasnost and perestroika. Students will learn about the rise of Stalin, the time of terror and purges at the height of Stalin’s regime (mid-1930’s), WWII, the “Thaw” after Stalin’s death in 1953, and the implications Stalinism has on present-day Russia. We will seek answers to the questions of how Stalin was allowed to rise to power, retain political control, and instigate policies that caused the deaths of approximately 20 million Soviet citizens—many of whom were Bolsheviks and loyal members of the Communist Party. Literary readings include memoirs, poetry, and novels. A significant part of the course concerns the role of women in the Bolshevik Revolution and their fate under Stalinism. This course fulfills requirements of international studies, women’s studies, and Russian studies. Readings and discussion are in English. Students without background in Russian language should enroll in FCUL 243/WGST 243 which is taught in English and readings and writing assignments are in English. Russian language students who have completed the prerequisite of RUS 202 may elect to enroll in this course, rather than FCUL 243/WGST 243, for supplementary readings in Russian. Offered on a rotating basis.
RUS 341 Russian Life and Culture

☐ 4 hours
☑ Fulfills: Intercultural, Historical, Human Expression
☐ Prerequisites: RUS 202.

A study of the cultural, political, and social institutions that have shaped Russia from the time of Kievan Rus’ to the present period. Key historical and philosophical themes will be discussed in reference to art, literature, architecture, music, and Russian Orthodoxy. The course is taught in English and readings and writing assignments are in English. Students without background in Russian language should enroll in FCUL 341. Russian language students who have completed the prerequisite of RUS 202 may elect to enroll in this course, rather than FCUL 341, for supplementary assignments in Russian. Offered on a rotating basis.

RUS 345 Conversation and Composition

☐ 4 hours
☐ Prerequisites: RUS 202.

Emphasis on the development of written and oral expression and mastery of grammar. Reading and listening comprehension will be developed through use of authentic texts (literary and popular press), films, video (news and popular media), and song texts. Speaking and writing skills will be developed within this context of authentic materials.

RUS 350 Topics in Russian/Soviet Literature

☐ 4 hours
☑ Fulfills: Human Expression–Primary Texts
☐ Prerequisites: RUS 202.

This course will offer reading and discussion of literature of various genres, authors and time periods of Russia and the USSR. Topics will change annually and rotate. Students may enroll in the course multiple times for credit (and count towards the major/minor in Russian Studies), provided that the topic is new. The course is taught in English and readings and writing assignments are in English. Students without background in Russian language should enroll in FCUL 350. Russian language students who have completed the prerequisite of RUS 202 may elect to enroll in this course, rather than FCUL 350, for supplementary assignments in Russian. Offered on a rotating basis.

RUS 490 Senior Project

☐ 1, 2, or 4 hours
Scandinavian Studies

David Thompson (department head), Laurie Iudin-Nelson (director of Nordic Studies)

For a major or minor in Scandinavian Studies, see Nordic Studies under the curriculum section. For Scandinavian Studies courses in English, see art, foreign culture, history, Paideia, and other related disciplines.

Scandinavian Studies Courses

SCST 101 Elementary Norwegian I

4 hours

Speaking Norwegian from the first day of class, students learn to apply a practical knowledge, first to their own situation in this country and subsequently to selected aspects of Norwegian culture ranging from everyday customs and manners, travel and shopping, to history, the arts, and education.

SCST 102 Elementary Norwegian II

4 hours

Prerequisites: SCST 101

Speaking Norwegian from the first day of class, students learn to apply a practical knowledge, first to their own situation in this country and subsequently to selected aspects of Norwegian culture ranging from everyday customs and manners, travel and shopping, to history, the arts and education.

SCST 201 Intermediate Norwegian

4 hours

Prerequisites: SCST 102.

With the aim of developing ease in the students’ ability to communicate in the language and to increase their knowledge of the country, the course combines readings, recent Norwegian feature films, oral discussions, dramatization, and written compositions with a general review of grammar and pronunciation.

SCST 202 Norwegian Through Film and Literature

4 hours

Fulfills: Human Expression

Prerequisites: SCST 201.
Continuing to develop students’ abilities to communicate in the language and to increase their knowledge of the country, the course combines readings from short stories, novels, and recent Norwegian feature films. Students will be asked to conduct oral presentations, written analysis and contribute to course discussions that further their competencies in Norwegian language and the development of cultural and artistic understanding.

SCST 250 Topics in Nordic Literature

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: SCST 202.

This course will offer reading and discussion of literature of various genres, authors and time periods of Norway and other Nordic countries. Topics will change annually and rotate. Students may enroll in the course multiple times for credit (and count towards the major/minor in Nordic Studies), provided that the topic is new. The course is taught in English and readings are in English. Students who have completed SCST 202 may elect to enroll in this course for extra assignments in Norwegian.

SCST 251 Topics in Nordic Film

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: SCST 202.

The course will offer viewing and discussion of films of various genres, directors and time periods of Norway and other Nordic countries. Topics will change annually and rotate. Students may enroll in the course multiple times for credit (and count towards the major/minor in Nordic Studies), provided that the topic is new. The course is taught in English, readings are in English, and films are subtitled in English. Students who have completed SCST 202 may elect to enroll in this course for extra assignments in Norwegian.

SCST 345 Composition, Conversation, and Advanced Grammar

- 4 hours
- Prerequisites: SCST 202.

This course is for students who have completed four semesters of college-level Norwegian or the equivalent. It focuses on developing skills in speaking, writing, and reading comprehension and offers ample opportunity for individual practice and feedback. Several recent feature films and novels provide the basis for class discussion and writing assignments, while the course culminates in an oral report based on individual research.

SCST 346 Scandinavian Immigration History

- 4 hours
- Prerequisites: SCST 202.

A study of the history of immigrants to the United States from Norway, Sweden, Denmark, Finland, and Iceland, and their descendants. Drawing on the rich ethnic resources of Luther College and
Vesterheim museums, this course examines the nature of the immigration experience and the development within immigrant communities of a sense of old world ethnicity combined with a rising U.S. nationalism. Students will be required to do some of the reading in a Scandinavian language and meet one day a week in which the class in conducted in Norwegian.

SCST 348 Vikings in History

- 4 hours
- ☑ Fulfills: Human Behavior—Social Science Methods, Historical
- ☐ Prerequisites: PAID 112 or the equivalent.

This course covers the “Viking Era,” approximately 780 - 1070 CE. It will examine Viking society, religion and mythology, social structure, maritime technology and shipbuilding, political developments, literature and arts, and Viking expansion. Students will submit papers written in Norwegian, Danish or Swedish. Students without a background in Scandinavian studies should enroll in HIST 348.

SCST 352 Scandinavia and the Baltic

- 4 hours
- ☑ Fulfills: Human Behavior, Historical

A survey of Scandinavian and Baltic history (including Finland and Iceland), beginning with the Viking age and ending with the current status of the welfare state in the relevant countries. Special emphasis on the Great Power periods of Denmark and Sweden in the 16th and the 17th centuries, and on the emergence of Norwegian and Finnish national movements in the 18th and 19th centuries. Discussion as well of current political and economic issues in Scandinavia. Students must submit papers written in Norwegian, Danish or Swedish. Students without a background in Scandinavian studies should enroll in HIST 352. Offered alternate years.

SCST 361 Henrik Ibsen

- 4 hours
- ☑ Fulfills: Human Expression—Primary Texts
- ☐ Prerequisites: PAID 112D or transfer equivalent and SCST 202

Norway’s preeminent playwright, Henrik Ibsen, lived most of his life outside of his homeland, which he nevertheless observed with unmatched acuity. The course follows Ibsen’s development as a dramatist while also exploring the cultural context of his time. The course includes recent film productions of selected plays and an opportunity to experience an Ibsen play as performed by the Commonweal Theater in Lanesboro, MN. All readings and discussions are in English. Students who have completed SCST 202 may elect to enroll in this course for additional coursework in Norwegian. Offered on a rotating basis.
SCST 363 Norway’s Nobel Prize-Winning Authors

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: PAID 112 or equivalent, SCST 202.

Through the lives and literature of Nobel Prize-winning authors, Bjornstjerne Bjornson, Knut Hamsun, and Sigrid Undset, the history of Norway unfolds with its struggles and triumphs from the Middle Ages through Norway’s World War II occupation by Hitler’s forces. Reading selected works and viewing films based on them, as well as researching the authors’ lives and times, students will gain an understanding of the highlights of Norway’s history and literary production. All readings and discussion are in English. Advanced Norwegian language students may elect to enroll in this course for additional coursework in Norwegian. Offered on a rotating basis.

SCST 490 Senior Project

- 1, 2, or 4 hours
Science

Science Courses

SCI 110 Medical Terminology

1 hour

This course is designed to meet the needs of students anticipating careers in the health sciences. The course will focus on the origin and contemporary meaning of medical terms. This course does not count toward the natural science requirement.

SCI 111 Physical Science

4 hours

Fulfills: Natural World—Lab

A basic course dealing with important aspects of the physical and chemical world. Topics include the development of the scientific method, Galileo, Newton, and the study of motion, work, energy, electricity and light, elements and the Periodic Law, compounds and chemical bonds, and the chemical nature of matter. The laboratory program will stress the development of skills in designing and conducting laboratory experiments. This course is intended for the student with no special background in science or mathematics. Strongly recommended for elementary education majors.

SCI 112 Energy and the Physical World

4 hours

Fulfills: Natural World—Lab

The unifying theme of energy molds the physical concepts of motion, gravitation, electromagnetism, heat, radiation, and nuclear physics. Solar, wind, nuclear, tidal, hydroelectric, and thermal electric energy conversion processes are also included. This course is intended for the general student with no special background in mathematics or science. (Same as ENVS 112 and PHYS 112)

SCI 121 Introduction to Astronomy

4 hours

Fulfills: Natural World—Lab

A course designed to develop an understanding and appreciation of our larger environment, the physical universe itself: planets, stars, galaxies, and space. Instruments and methods used in astronomical investigations. The Spitz planetarium is used throughout the course. Occasional evening observation periods using both the naked eye and the telescope.
SCI 123 Introduction to Meteorology

- 4 hours
- Fulfills: Natural World—Nonlab
- Prerequisites: MATH 140 or higher.

Topics may include, but are not limited to, origin and composition of the atmosphere, atmospheric variables and measurement, solar radiation and the earth's energy budget, precipitation forms and processes. Significant attention is given to the mechanics and thermodynamics of atmospheric circulations on a broad range of scale: planetary (short-term climate considerations), synoptic (week-long circulations such as mid-latitude cyclones and hurricanes), and mesoscale (hours-long events such as convective complexes and supercells). Students will participate in forecasting activities.

SCI 125 Great Ideas in Natural Science

- 4 hours
- Fulfills: Natural World—Nonlab

A look at how our understanding of the natural world has grown over the past 500 years. This course will examine a set of important concepts selected from the fields of astronomy, biology, chemistry, geology, physics, and psychology. Specific topics will include the origin of the universe, the atomic theory of matter, the chemical nature of the physical and biological systems and biological evolution. The growth of each topic will be traced through the accumulation of experimental evidence and the formulation of theories. Similarities and distinctions among topics will be highlighted.

SCI 127 The Science of Science Fiction

- 4 hours
- Fulfills: Natural World—Nonlab

An examination of the scientific principles contained in a number of popular science fiction books and movies. Designed to acquaint the student with many of the major principles of the natural sciences (physics, chemistry, and biology), while examining the relationship between science and fantasy. In addition, the ways in which popular science fiction affects how the public views science will be examined. No previous background in science or math is required.

SCI 225 Women in Science

- 4 hours
- Fulfills: Natural World—Nonlab

This course studies various topics in the sciences by looking at great discoveries of female scientists. The class will start by examining scientific methodology, research, and process as well as an introduction to the various field of science. The history of women in science is followed by through daily reading assignments. In addition to the history and science taught by the instructor, students will be responsible for an in-depth project on an individual female scientist, studying both the science and other aspects of her life. The class will include some student-led class discussions and oral presentations, along with class lecture, activities assignments and tests. (Same as WGST 225)
SCI 240 Pathophysiology

- 4 hours
- Prerequisites: BIO 115, 116, 152.

This course offers a foundation in understanding the molecular, cellular/tissue, and organ system changes that are present in numerous disease states and injuries. Mechanisms and etiologies of selected pathophysiological processes will be utilized to understand the evidence of disease and its clinical manifestations. These principles will enable the student to frame clinical problems through the critical thinking process.

SCI 250 Clinical Pharmacology

- 4 hours
- Fulfills: Quantitative
- Prerequisites: BIO 152, 243; NURS 234, 235; SCI 240.

This course provides a basic understanding of pharmacology as a foundation for clinical education in the appropriate and safe use of medications. Fundamental concepts including pharmacokinetics, pharmacodynamics and pharmacogenetics will be covered along with an in-depth analysis of important medication classifications. The laboratory component of the course will provide opportunities to apply pharmacological knowledge in a context that realistically models patient care.

SCI 340 Science Communication Seminar

- 1 hour

This course examines the role of communication in math and science as well as the theory and practice of different types of science communication. The course will include observation, evaluation, and practice of oral and poster science presentations for different audiences, both general and scientific. Communication strategies for science educators will also be explored. Intended for students participating in the Howard Hughes Medical Institute (HHMI) Trio program, though other students with extensive research experience may also inquire. Requires consent of instructor. Graded credit/no credit.
Social Work

Britt Rhodes (department head)

The social work major aims to prepare undergraduate students for beginning level generalist social work practice while a secondary objective is to prepare students for graduate (MSW) study. Skills and knowledge for lifelong learning and active citizenship are included.

Graduates of the social work program find professional employment in child welfare, family counseling, chemical dependency, mental health, developmental disabilities, community action, aging, medical settings, churches, environmental organizations, schools, corrections, and other areas of social services.

The social work major is accredited by the Council on Social Work Education at the baccalaureate level, allowing students to gain advanced standing in M.S.W. programs at many graduate schools of social work.

The program has two internship requirements. The first is SW 102, which involves a three-week experience shadowing a social worker. Then, one semester in the senior year is devoted entirely to off-campus field instruction in a selected social service organization and a concurrent professional seminar. Work experience does not provide exemption from academic coursework.

Within the context of the liberal arts program at Luther College, the social work major includes nine areas of emphasis: social work values and ethics, human diversity, social and economic justice, populations at risk, social welfare policy and services, human behavior and the social environment, social work research, social work practice, and field practicum. These do not necessarily represent specific courses but, rather, clusters of facts, ideas, and skills that are needed to provide effective social services.

Required for a major: SW 101, 102, 201, 204, 301, 303, 304, 305, 401, 402, 403; correlative courses consisting of BIO 115 or equivalent, and POLS 247. The first social work field experience (SW 102) is recommended before the junior year. Three correlative courses: SOC 101, PSYC 130, and ECON 130 are recommended but students may select others if they better meet their needs. Recommended for students considering graduate study in social work: SOC 350 (social statistics), or PSYC 350 (behavioral statistics), or MATH 115 (introduction to statistics). Writing requirement completed with SW 305 or SOC 301.

Policies for admission and progression in the social work major are as follows:

Students may apply for admission to the social work major after completion of SW 101 (Introduction to Social Work and Social Welfare), and SW 102 (Social Work Field Experience). Formal application to the major is made by completing the “Application for Admission to the Social Work Major,” writing an essay, and completion of an application interview with members of the social work faculty. Once admitted, students are required to:
Choose a social work faculty member as their advisor and utilize this person in future planning.

- Earn a C or better in all social work practice courses (SW 201, 301, 401, 402, and SW 403).
- Maintain a minimum cumulative grade point average (GPA) in the major and for college courses taken at Luther College of 2.00.
- Continue to demonstrate their suitability to enter the profession of social work.

Admission and other policies relating to the social work major, including a statement of students’ rights and responsibilities, are described in the social work program’s Student Handbook, copies of which are available from program faculty or on the social work website. All other policies regarding grading, withdrawal, and graduation are in accordance with general college policy and can be found elsewhere in the college catalog.

Social Welfare Minor

The social welfare minor focuses on the development of social welfare and the behavior of individuals, families, organizations, and communities in the context of their social environment. The minor helps provide an understanding of the social welfare system in the United States, the values and theories behind it, and the social issues facing our nation. It does not provide the specific skills needed for actual social work practice. Graduate schools of social work examine the course work taken in CSWE accredited undergraduate programs on a case-by-case basis and may accept some undergraduate course work as meeting some requirements in the first year of the MSW program.

Requirements for a minor in social welfare: Five courses are required. This includes three courses: SW 101, 204, 303; plus two additional courses selected from the following: SW 102, 185, 304, 305; POLS 247. A special topics course in social work approved by the department may be substituted for one of the electives. In the minor, POLS 247 and SW 201 are not prerequisites to SW 304. Students may not both major in social work and minor in social welfare.

Social Work Courses

SW 101 Introduction to Social Work and Social Welfare

- 4 hours
- Fulfills: Human Behavior

A survey course covering the development of the social welfare institution and the social work profession in the United States. Included is information on how social welfare and social work impact diverse populations, populations at risk, and promotion of social and economic justice in our society. Content on social work values and ethics is interspersed throughout the course.

SW 102 Social Work Field Experience

- 4 hours

Full time supervised field experience as a participant-observer in a social service agency.
SW 110 Mental Health First Aid

1 hour

This course helps students recognize risk factors and warning signs of mental health problems, acquire skills to assess immediate problems, intervene to connect people with professional care, understand the prevalence of disorders and the need to reduce stigma, and understand common treatments. Students who complete the course will receive Mental Health First Aid certification. Grading will be Credit/No credit.

SW 201 Fundamentals of Social Work Practice I

4 hours
Prerequisites: SW 101 or SW 102, declared social work major.

An introduction to the generalist method of social work practice that includes the study and practice of basic counseling skills. This course provides a foundation model for social work practice which is built and expanded upon in SW 301 and SW 401.

SW 204 Human Behavior in the Social Environment I

4 hours
Fulfills: Human Behavior
Prerequisites: SW 101

This course focuses on theories of human behavior and the interaction between behavior and the social environment. The course develops a conceptual framework for social work practice by examining knowledge and theory related to the development of human behavior across the life span in relation to individuals’ emotional, spiritual, physical, intellectual, social and cultural contexts. A life cycle approach is used to understand the experience of individuals in their environment and explore theories of human behavior and responses to life cycle challenges. Human diversity, global perspectives, and an ecosystems approach to understanding human behavior are emphasized.

SW 301 Social Work Practice II

4 hours
Prerequisites: SW 101, 102, and 201

Applies the generalist model learned in SW 201 to social work practice with families and groups. Skills for family and group work are developed through a laboratory group and an experience leading a group in the community.
SW 303 Human Behavior in the Social Environment II

- 4 hours
- Fulfill: Human Behavior
- Prerequisites: SW 101

This course describes how organizations, communities, society and the natural environment impact individuals, families, and groups. A social justice lens will be used to understand the dynamic interaction among systems in the macro social environment. A key focus is on the interplay between human behavior and the physical, social and political environment. Special attention is given to global perspectives, issues of human diversity in a macro context, and self-examination in relation to ethical and human diversity issues.

SW 304 Social Welfare Policies, Programs, and Issues

- 4 hours
- Prerequisites: SW 101, 102, 201, 204, and POLS 247

An examination of social welfare policy as a dimension of generalist social work practice. Includes a study of contemporary social welfare issues, programs and legislation. Emphasis is placed on issues relating to how social policy impacts human diversity, populations at risk, and social and economic justice in the United States. Content on social work values and ethics is interspersed throughout the course.

SW 305 Research Methods for Social Work

- 4 hours
- Prerequisites: SW 101

An introduction to social work research designed to increase the generalist practitioner's ability to understand, evaluate, and utilize the research literature for practice. A wide variety of social work research methods are examined with an emphasis on doing practice research.

SW 401 Social Work Practice III

- 4 hours
- Prerequisites: SW 301

Application of the generalist model to working with task groups in organizations and communities and how this work impacts human diversity, populations at risk, and social and economic justice. Content on social work values and ethics is interspersed throughout the course. A knowledge base and skills for community social work will be developed.
SW 402 Field Instruction in Social Work Practice

- 8 hours

A one semester block field placement in a human service agency with professional supervision, providing educationally directed practical experience, and supplemented by an on-campus professional seminar. Taken concurrently with SW 403.

SW 403 Professional Seminar

- 4 hours
- Fulfills: Human Behavior—Social Science Methods
- Prerequisites: SW 101, 102, 201, 204, 301, 303, 304, SW 305 or SOC 301, and SW 401

Emphasis on integration of previous course content and the application of social work ethics, values, skills, and knowledge. Work-related issues of field placement are studied in preparation for generalist social work practice. Students give presentations to the class based upon their field learning. Taken concurrently with SW 402.

SW 490 Senior Project

- 1, 2, or 4 hours
- Prerequisites: SW 304, SW 305

A continuation of learning from SW 304 and SW 305. Students write a paper on policy analysis, or the research they have conducted, relevant to social work practice.
Sociology

Britt Rhodes (department head), Char Kunkel (program director)

Sociologists study human behavior in groups, the interactions between people and the patterned structure of relationships that result. Criminal and deviant behavior, racism, inequality, gender, the environment, and social movements are just a few of the social structures we study. Consequently, the faculty represents a variety of complementary research interests and areas of expertise. This makes available to students both a wide selection of the topical areas within the field and an exposure to differing presuppositions.

**Required for a major:** SOC 101, 301, 350, and five additional courses in the discipline, one of which must be a 400-level seminar. If a statistics course judged comparable to SOC 350 (ie: PSYC 350) is taken in another department, substitute an additional elective in sociology for SOC 350. Students who contemplate graduate study should participate in research opportunities with the faculty and should complete SOC 276. Writing requirement completed with SOC 301. Students interested in teaching should see education department for secondary education minor requirements.

**Required for a minor:** SOC 101, 301, and three additional courses, one of which must be a 400-level seminar.

**Required for a second teaching area:** See Education department for specific requirements. The second teaching area license is offered only in the state of Iowa.

Sociology Courses

**SOC 101 Introduction to Sociology**

- 4 hours
- Fulfills: Human Behavior—Social Science Methods

Introduction to theoretical perspectives and foundational principles of “thinking sociologically.” Key concepts include: culture, inequality/poverty, deviance/crime, gender, social construction of reality, social change, and social structure.

**SOC 242 Sociology of Gender**

- 4 hours
- Fulfills: Human Behavior—Social Science Methods
- Prerequisites: SOC 101

Examines the gendered structure of our everyday lives; makes gendered assumptions and practices explicit, and uncovers the impact of gender in the social world. Emphasis on historical and cross-cultural constructions of gender that provide alternatives to gender inequality and a basis for social change. (Same as WGST 242)
SOC 253 Crime and Deviance

- 4 hours
- **Fulfills:** Human Behavior—Social Science Methods
- **Prerequisites:** SOC 101

A theoretical analysis of the relationship of deviant behavior and subcultures to community standards of conventional behavior as expressed in law and norms, as well as an analysis of the extent, distribution, and character of crime and delinquency.

SOC 261 Social Conflict

- 4 hours
- **Fulfills:** Human Behavior—Social Science Methods
- **Prerequisites:** SOC 101.

Course will examine the origin, escalation, and resolution of social conflict at three levels: interpersonal, intergroup (e.g. ethnic group, economic class), and international. Focuses on major causes of conflict including: ethnic identity, competition for material resources, and ideological differences. Expressions of conflict will be examined including: hatred, electoral action, labor union activity, violence, war, and terrorism. Interventions to minimize the negative social impacts of conflict will be considered for each level of conflict. Offered alternate years.

SOC 270 Haters Gonna Hate: The Study of Hate Crimes and Hate Groups

- 4 hours
- **Fulfills:** Human Behavior—Social Science Methods
- **Prerequisites:** SOC 101.

The goal of this course is to provide an exploration into the social, legal, and ethical implications of hate-fueled interactions, with a focus on violence, crime, and bigotry in the United States. Specifically, we will use a sociological lens to identify the form and function of hate groups, analyze the rise in hate crimes over time, and consider social and legal efforts to curb such acts.

SOC 273 Crime and Media

- 4 hours
- **Fulfills:** Human Behavior—Social Science Methods
- **Prerequisites:** SOC 101 or COMS 133.

This course examines relationships between elements of the criminal justice system and elements of the mass media, and how each influences the other. Included will be discussion of crime depiction in news media (TV, newspapers, internet), crime depiction in entertainment media (music, TV, video games, film) and use of media/media technology by law enforcement and criminal defendants.

SOC 276 Social Theory and Praxis
This course gives students knowledge of and experience with the classical and contemporary perspectives on human social behavior. Students will study the original works of theorists, critically analyze their ideas, and apply these perspectives to current events, media artifacts, and sociological topics. This course is highly recommended for students considering further study in graduate school.

SOC 283 Sociology of Education

This course provides a broad overview of the field of sociology of education and its goal is to understand the relationship between education and society. This course reviews a variety of theoretical perspectives and empirical research to examine the role and structure of schooling in contemporary life. Topics include social mobility and stratification; social reproduction and meritocracy; social and cultural capital; the dynamics of race, class and gender in American higher education; the social processes and factors affecting students’ academic achievement; horizontal and vertical stratification of higher education. Students will better understand their own experience within educational system, as well as the relationship between educational system and inequality in American society.

SOC 290 Visual Sociology

In this course students will explore the theory and method of visual sociology and have the opportunity to pursue their own projects. As a group and individually, we will explore the social milieu from a visual perspective to answer such questions as: What does the visual world tell us about our society? What meaning and importance do we attach to the visual? What can we learn about human behavior by examining visual culture? Students will collect their own data, analyze it, and report their findings. Camera needed (of any type).

SOC 301 Research Methodology

Examines the process of conducting and evaluating sociological research. Areas of emphasis include: research design, techniques of sampling, methods of data collection, principles of measurement, basic methods of data analysis, and ethical considerations.

SOC 345 Constructs of Race and Racialization
This course examines the social construction of race as a concept and the racialization of US society. An assessment of how racialization has changed over time and has created various interactions between groups from Whites and enslaved Africans, Mexicans and Native Americans to present day race relations. We also examine how racialization both determines and impacts social structures and the attainment of societal honors, rewards and power in modern society. (Same as AFRS 345)

SOC 347 Sociology of the Family

- 4 hours
- Fulfills: Human Behavior—Social Science Methods
- Prerequisites: SOC 101

Consideration of the historical and cultural foundations of the institution of marriage and the family. Emphasis on cross-cultural trends as they relate to the family, including socialization practices, changing status of women, and dating patterns.

SOC 350 Social Statistics

- 4 hours
- Fulfills: Human Behavior—Social Science Methods
- Prerequisites: SOC 101, MATH 110 or above.

A first course in applied statistics that introduces descriptive and inferential statistics with a focus on developing and testing sociological hypotheses using quantitative data. Students will use statistical software to input and analyze their own small-scale survey data, as well as develop and test hypotheses using large, publicly available sociological datasets.

SOC 351 Gender and Crime

- 4 hours
- Fulfills: Human Behavior—Social Science Methods
- Prerequisites: SOC 101

Examines how gender affects individuals’ experiences as both victims and perpetrators of crime and deviance. Analyzes the history and theory of gender and crime in the U.S. and internationally, the social construction of victimization, and the impact of culture, structure, and inequality on criminal behavior. (Same as WGST 351)

SOC 356 Environmental Sociology

- 4 hours
- Fulfills: Human Behavior—Social Science Methods
- Prerequisites: SOC 101.

Examines how cultural, social and economic forces shape the relationships between societies and
their natural environments. Environmental dynamics such as pollution and natural resource use are connected with social dynamics of human population, industrial production, poverty, urban planning, and consumer culture. Examination of environmental movements and counter-movements illustrate how understandings of the natural environment change over time and are often in contention.

SOC 358 Social Psychology

4 hours
☑ Fulfills: Human Behavior—Social Science Methods
Prerequisites: SOC 101.

A study of the relationship between the individual and society and the interactions produced. Emphasis on research in the areas of self, identity, symbolic interaction, and social movements.

SOC 453 Seminar: Law and Human Rights

4 hours
☑ Fulfills: Human Behavior—Social Science Methods, Intercultural
Prerequisites: SOC 101.

Examines the construction and application of law by various societies, with a particular focus on international and human rights law. Studies the people and groups who create law, the development of human rights, the effects of race, class, gender and nationality on legal standards, and the impact of globalization on international law.

SOC 461 Seminar: Contemporary Issues of Immigration

4 hours
☑ Fulfills: Human Behavior—Social Science Methods, Intercultural
Prerequisites: SOC 101.

This upper-division undergraduate seminar will provide an overview of issues related to international immigration to the United States. This class involves the sociological analysis of immigration, particularly with respect to intercultural dynamics between the sending and the receiving countries, race and ethnicity, social structure, social inequality, and social policy. Students will learn about sociological theories of immigrant incorporation as well as specific issues related to the second-generation children of immigrants including their educational, labor-market and transnational experiences. They will also learn about the history of immigration and immigration policy along with other various aspects of immigration such as transnationalism, enculturation, marginalization, globalization, gendered migration, immigrant labor market, second generation and segmented assimilation.

SOC 468 Seminar: Gender, Globalization and Development

4 hours
☑ Fulfills: Human Behavior—Social Science Methods, Intercultural
Prerequisites: SOC 101

In this course we will examine the phenomena of globalization and development from a sociology
of gender perspective. We will focus on the global intersections of contemporary societies and cultures, and the gendered dynamics therein. Questions we will raise include: How does globalization affect women’s and men’s lives? How is power distributed, and how does this impact development processes? What impact do gender dynamics play in the social institutions of development: economic, political, and cultural? (Same as WGST 468)

SOC 472 Seminar: Social Institutions

- 4 hours
- ☑ Fulfills: Human Behavior—Social Science Methods
- ☑ Prerequisites: SOC 101

An examination of selected major social institutions in American society (family, education, religion, politics, or industry), as well as their intersections and maintenance in social life.

SOC 475 Seminar: Social Movements

- 4 hours
- ☑ Fulfills: Human Behavior—Social Science Methods
- ☑ Prerequisites: SOC 101.

Explores theoretical issues related to social movements - why they emerge, how they evolve, how they are organized, why people join them, what factors determine their success - while learning about various historical and contemporary social movements such as the Black civil rights, environmental, religious right, and gay rights movements. Offered alternate years.

SOC 490 Senior Project

- 1, 2, or 4 hours
Spanish

David Thompson (department head), Nancy Gates Madsen (section head)

Required for a major: Nine courses (36 hours), starting at SPAN 201 or above. Required courses are SPAN 303 and SPAN 346; either SPAN 450 or SPAN 460; plus additional hours above 300; language immersion experience. Writing requirement completed with SPAN 303. Students interested in teaching should see the education department for secondary minor requirements.

Recommended supporting courses for students majoring in Spanish: Courses in Latin American history; politics and anthropology; courses in another modern or classical language; courses in linguistics.

Required for a minor: Five courses (20 hours), starting at SPAN 201 or above. Required course is SPAN 303; language immersion experience.

Required for a second teaching area: See Education Department for specific requirements. The second teaching area license is offered only in the state of Iowa.

Language immersion experience: For majors, a minimum of 12 weeks of academic study in a country where Spanish is an official language. For minors, at least three weeks of academic study or one January Term of study in such a country, although a semester is strongly recommended. Homestay is required for both majors and minors. Those preparing to teach must complete at least 12 weeks of academic study in such a country. Program selection must be approved by the department for all majors and minors prior to departure. All majors and minors are encouraged to help maintain and advance their language skills by completing courses in the language during their final semesters at Luther.

Language Learning Center

The Department of Modern Languages, Literatures, and Linguistics has a Language Learning Center in Main Building. Language students have access to computerized language learning materials, to computers with audio and video editing software, and to video study rooms where they may view prerecorded foreign language videos and DVDs or watch live international TV. The Language Learning Center also houses the department’s Foreign Language Media Library with over 800 foreign language films and a selection of leisure reading books and audio books for language learners. Students can check out these materials as well as audio and video equipment for their class assignments. The Language Learning Center also provides language students with valuable work-study experiences related to their interest in languages.

For courses on teaching Spanish in the elementary grades, see education.

Spanish Courses
SPAN 101 Elementary Spanish I

4 hours

Introduction to the basic skills needed for communicating in Spanish. Stress on both oral and written forms. Intended for those with no previous Spanish study.

SPAN 102 Elementary Spanish II

4 hours
Prerequisites: SPAN 101 or recommended placement.

Introduction to the basic skills needed for communicating in Spanish. Stress on both oral and written forms. Intended for those with no previous Spanish study.

SPAN 201 Intermediate Spanish

4 hours
Prerequisites: SPAN 102 or recommended placement.

This course is for students who have successfully completed at least one year of college-level Spanish or the equivalent.

SPAN 302 Conversation and Listening Comprehension

4 hours
Prerequisites: SPAN 201 or recommended placement.

This is a course for students who have completed intermediate-level coursework in Spanish and who have a solid background in Spanish grammar. Focus on developing speaking and oral comprehension skills, increasing proficiency in extended narration and dialogue and developing knowledge of Spanish-speaking cultures.

SPAN 303 Written Expression

4 hours
Prerequisites: SPAN 201 or recommended placement.

This is a course for students who have completed intermediate-level coursework in Spanish and who have a solid background in Spanish grammar. Focus on developing skills in writing and reading comprehension in a variety of cultural contexts. The course culminates in a research project.

SPAN 304 Advanced Grammar and Translation

4 hours
Prerequisites: SPAN 201 or placement into the course.

This course is for students who have completed SPAN 201 or the equivalent and who require more
practice with advanced grammar structures. This course is especially recommended for those who plan to teach Spanish. Focus on advanced grammar functions and correcting common mistakes. Translation exercises reinforce grammar fundamentals. It is recommended to take this course after SPAN 302 and SPAN 303.

SPAN 335 Cultural Expressions of the Hispanic World

☐ 4 hours

Prerequisites: Take Span-303

This course studies the Spanish-speaking world through its cultural manifestations: language, literature, film, arts, television, music, and the news media. Several topics are offered on a rotating basis: cinema, social revolution and the arts, Hispanics in the U.S., current events, popular music and poetry, Spanish and Latin American civilizations. May be taken up to two times for credit under different topics.

SPAN 340 Language and Culture in the Spanish-Speaking World

☐ 4 hours

Fulfills: Intercultural

Prerequisites: SPAN 302 strongly recommended.

This January-term study abroad course will introduce students to the culture of a Spanish-speaking country first-hand. Course locations may include Peru, Dominican Republic, Spain, Ecuador, Mexico, Argentina and other countries where Spanish is an official language. In addition to language and culture instruction at a local institution, students will live with host families and participate in guided visits to sites that illustrate the diverse cultural history of the country. This course satisfies the immersion requirement for the Spanish minor. All interested students must complete an interview with the instructor prior to enrollment. May be repeated for credit up to three times in three different locations.

SPAN 341 Spanish for Medical Professionals

☐ 4 hours

Fulfills: Intercultural

Prerequisites: SPAN 302 strongly recommended.

This course is designed for students studying to become medical professionals and who require training in Spanish to serve Spanish-speaking clients in hospital or clinical settings. In addition to exploring medical terminology related to the human body, illnesses and treatments, we will also study communication between Spanish-speaking clients and English-speaking providers in U.S. clinical settings. The course takes place abroad in Spain or Latin America and thus fulfills the immersion requirement for the Spanish minor. In addition to academic work, students will live with host families; visit local clinics, hospitals or medical offices; and participate in guided tours to sites that illustrate the diverse cultural history of the country. All interested students must complete an interview with the instructor prior to enrollment.

SPAN 346 Introduction to the Study of Hispanic Literature

☐ 4 hours
An introduction to the basic dramatic, narrative, and poetic forms of Hispanic literature utilizing representative works of Spanish and Spanish-American authors. The course will focus on critical approaches to literature, introduce bibliographic resources, and continue development of writing proficiency.

SPAN 350 Practical and Professional Uses of Spanish

- 4 hours
- Fulfills: Intercultural
- Prerequisites: Span 302, 303 or 304

A course for students of Spanish who desire further training in specific professional and practical contexts. Focus on Spanish for business and medical professionals. Development and assessment of writing and speaking skills in these contexts. May satisfy the language requirement for students who arrive with advanced proficiency.

SPAN 450 Seminar in Spanish Penisular Literature And Culture

- 4 hours
- Fulfills: Human Expression, Intercultural
- Prerequisites: SPAN 346

A seminar with rotating topics on Spanish peninsular literature and culture. Topics may include the Spanish Civil War, literature by Spanish women writers, the history of Spanish film, Golden Age Spanish literature, and others. Significant writing practice, including a research project. Assessment of speaking proficiency. May be repeated for credit up to three times under three different topics.

SPAN 460 Seminar in Latin American Literature and Culture

- 4 hours
- Fulfills: Human Expression, Intercultural
- Prerequisites: SPAN 346

A seminar with rotating topics on Latin American literature and culture. Topics may include the short story in Latin America, Latin American poetry, memory and political violence, Latin American women writers and the representation of Latin America in literature and film. Significant practice in writing, including a research project. Formal assessment of speaking skills. May be repeated up to three times for credit under three different topics.

SPAN 490 Senior Project

- 2 hours
- Prerequisites: SPAN 346 and senior standing

A required course for Spanish majors who choose to do their senior projects in Spanish. Review of research methods and MLA-style documentation appropriate for research papers on topics in
Spanish language and linguistics, Hispanic cultures and literatures, second language acquisition and language pedagogy. Weekly seminar meetings to discuss research projects. Periodic assessment of speaking skills in Spanish, including a formal presentation of the project at the end of the term.
Theatre

Ben Moore (department head)

Theatre training expands the capabilities of the human body and imagination, developing capacities for persistence, invention, and communication. Theatre majors learn self-confidence and refine their ability to conceive and enact new ideas, practices and solutions through the performative body. Collaborative performances and studio environments stimulate active learning, and promote body and mind development toward reflecting what it means to be human. This approach equips students with skills for dealing with a complex world. Theatre majors pursue graduate and professional studies, certification, and employment in: acting, design, directing, freelance performing, freelance designing, international arts education, theatre education, movement for actors, performance, and performance art.

**Required for a major:** 33 hours including THE 100/DAN 100 (6 times), THE 105, 127, 300, 351, 352; one from THE 103 or 104; two 200 level courses; one 300 level course. Writing requirement completed with THE 352.

**Correlative requirements:** one course from DAN 101, 105, 130, or DAN 264.

**Theatre Synthesis:** During the sophomore year a major will develop a written reflection outlining their previous work in the performing arts and develop possible pathways for future directions leading toward their senior project.

**Required for a minor:** THE 100/DAN 100 (three times); THE 103 or 104; THE 105, 127, THE 300/DAN 300, and one 4-credit elective selected from courses in theatre or dance.

**Theatre Management Concentration:** To complete the theatre management concentration a student is required to complete a major in theatre and a minor in management, or a major in management and a minor in theatre.

**Theatre Courses**

THE 100 Production Practicum

- **0 hours**
- **Fulfills: Human Expression**

An intensive experiential research ensemble devoted to crafting, creating, developing, and producing a faculty-directed theatre and/or dance event. Students in this course will be involved in research and theoretical discussion supporting active involvement in a collaborative process of performance, design and production management, such as director/designer assistant; set construction; lighting, sound, costume, properties, make-up/hair, and stage management. Theatre majors must complete six Production Practicums, while minors must complete three. Course may be repeated an unlimited number of times. Enrollment by audition or consent of instructor.
THE 103 Art of Illusion: Costuming and Makeup

☐ 4 hours  
☑ Fulfills: Human Expression

This course is designed to introduce students to the craft and skills used in creating costumes and applying wigs and makeup for theatrical productions. Theatre is a collaborative art form with a variety of artists functioning together to create a single work. This course will explore the connection between the designer and the artist/craftsperson. Through field trips, readings, and experiential lab work students will develop, design, create and practice the art and craft of costume and wig and makeup skills. A field trip to a theatre production and an art museum will be a part of this course.

THE 104 Art of Illusion: Scenery and Properties

☐ 4 hours  
☑ Fulfills: Human Expression

This course is designed to introduce students to the craft and skills used in creating scenic and properties illusions often found in theatre. Theatre is a collaborative art form with a variety of artists functioning together to create a single work. This course will explore the connection between the designer and the artist/craftsperson. Through field trips, readings, and experiential lab work students will develop, design, create and practice the art and craft of scenic and property illusionary skills. A field trip to a theatre production and an art museum will be a part of this course.

THE 105 Acting I: Text in Performance

☐ 4 hours  
☑ Fulfills: Human Expression

An introduction to performance concepts and skills utilizing text as a beginning point for the performance experience. The course will include analysis and performance of diverse texts through solo and group work, incorporating elements of movement, spoken text, and music. Letters, novels, poems, plays, biographies, journals, and newspapers are examples of potential performance texts. No experience in any performing area is assumed.

THE 127 Design I: Visual Principles

☐ 4 hours  
☑ Fulfills: Human Expression

A study of the relationship between the performer, the elements of art, and the principles of design. Through a wide variety of hands-on exercises, students will explore how design can enhance the performer’s ability to express thoughts, emotions, and ideas. Areas of study will include the designer’s vocabulary and means of expression; the connection between design, the performer, and the audience; and methods of articulating visually to various audiences.

THE 200 Stagecraft Practicum
This course introduces students to the crafts of stage technology, applying them to the fields of theatre and dance. Students in this course will be assigned to work in areas of scenery, properties, costuming, makeup, lighting, and sound. Offered every semester on a credit/no credit basis. May be repeated.

THE 203 Costume History

- 4 hours
- Fulfills: Historical, Human Expression

A survey of the history of clothing from Mesopotamia to the present. Through lecture and discussion the course examines visual documentation of clothing, terminology and vocabulary related to clothing and the socio-political events that influence its development. Students will be asked to study the details of each era by sketching existing visual documentation of articles of clothing. Regular quizzes will be given throughout the semester and a research paper on a topic of the students choice will be assigned.

THE 204 Lighting Design

- 4 hours
- Fulfills: Human Expression

A study of lighting for the performing arts and an introduction to and practice in theatrical stage lighting. Coursework will cover the function of light in design; lighting equipment and terminology; communication graphics through practical laboratory explorations. Application of principles for performance events and contemporary lighting problems will be studied through extensive hands-on applications.

THE 205 Acting: Improvisation, Ensemble, and Clown

- 4 hours
- Fulfills: Human Expression
- Prerequisites: Take THE-105.

Improvisation teaches actors to perform both as creative individuals and as part of an ensemble. Students in this course will learn to collaborate through exercises that encourage them to work as a piece of a whole and without the benefit of a script. Furthermore, this class will explore the creative potential and emotional flexibility offered by Clown. Students will devise solo and group acts that deepen their understanding of the spirit of clown. By learning to see the world from the unique perspective of a Clown, students will learn about the power of imagination and their ability to emotionally invest in the fantastic. Offered alternate years.

THE 206 Graphic Design I

- 4 hours
- Fulfills: Human Expression

This course introduces students to the use of raster and vector graphics applications as advanced
art-making tools. Students will produce static 2-dimensional works of art that simultaneously explore 2-D design concepts and the cognitive processes of software learning. (Same as ART 206)

THE 207 Contemporary Plays

- 4 hours
- Fulfills: Human Expression—Primary Texts

Focusing mainly on plays authored in the past 50 years, the works of American and British playwrights will comprise about a third of the reading with the remaining plays from around the globe with particular emphasis on non-European playwrights. Introduction to production analysis (how a play works in the theatre) and attention to student writing.

THE 222 Acting: Shakespeare

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: THE 105

Acting Shakespeare begins with the premise that a deeper understanding of Shakespeare's works is reached in performing them. This course will place an emphasis on freeing the voice for use as a primary vehicle for conveying meaning. Students will develop tools for analyzing, speaking and embodying Shakespeare's text. Students will analyze and perform scenes while investigating the plays from which they are selected. Learning the structure of the text will enable students to use it as a springboard for action, emotion, and character.

THE 300 Production Studio

- 1 hour
- Prerequisites: Junior status

An experiential collaborative component for the theatre/dance majors and minors. Set within a faculty directed project or production, the student participates in research, dialogue and the underpinnings of producing work. (Same as DAN 300)

THE 305 Acting: Special Topics

- 4 hours
- Fulfills: Human Expression
- Prerequisites: THE 105

A studio course that offers rotating topics exploring different approaches to acting. Topics may include performing for musical theatre, Meisner technique, advanced scene study, rough theatre practices, audition technique, and others. Each topic will include elements of research, writing, and performance. This course may be repeated up to three times for credit under different topics.

THE 327 Design II: Scenography

- 4 hours
An exploratory study of performance design: scenery, costuming, sound, and/or lighting. Coursework will develop a student's individual approach to design and practical problem-solving for live performance with an emphasis on the function of design and aesthetics for the performing arts. Students enrolled will have bi-weekly portfolio meetings for an exchange of ideas in the field of design for live performance. Lab hours arranged.

THE 351 Theatre History I

- 4 hours
- Fulfills: Human Expression—Primary Texts, Historical

A study of major developments in the theatre - playwriting, acting, staging, architecture - from their roots through the 1850's, with reading of numerous representative plays. A study of theatre around the world from primitive rituals to classical Greek and Roman, Indian, Chinese, Japanese, and African theatre and native performance. The plays, period developments, and movements studies will provide foundation for discussion of how modern readers and audiences can have a meaningful encounter with these ancient works.

THE 352 Theatre History II

- 4 hours
- Fulfills: Historical, Human Expression—Primary Texts

A study of the development of the modern theatre, its drama, and its stage crafts, from 1850 through the present, with reading of numerous representative plays. Attention is paid to the major social changes in relevant world cultures that lead to developments in performance.

THE 360 Directing

- 4 hours
- Fulfills: Human Expression

A study of the theories and practices related to directing for the theatre. Coursework will include emphasis on communication principles and script analysis as well as laboratory experiences in directing.

THE 490 Senior Seminar

- 2 hours

An intensive, collaborative study of selected theories, performance artist(s), writer(s), selected period, or movement. The seminar will often intersect the disciplines of theatre and dance. The course format rests upon student-led discussion and development of an artist's manifesto, both of which will be used to focus and develop the senior project proposal.
THE 491 Senior Project

2 hours
Prerequisites: THE 490 and senior standing

Students will complete an individualized or collaborative senior project. The project will include a written artist’s statement, process documentation, post-project reflection/critique, and will be presented publicly. Students will orally defend their project before the department following the public presentation.
Women and Gender Studies

Charlotte Kunkel (program chair)

The Women and Gender Studies (WGST) program is an interdisciplinary academic program devoted to the critical analysis of gender. The program offers courses that investigate the intersections of sex, gender, sexuality, race, age, ability, and class across the disciplines and are taught by faculty in a variety of departments. Women and Gender Studies prepare students to be critical advocates, activists, scholars, and educators for social justice in a variety of professions.

Requirements for a major: 10 courses plus senior project.

The major is comprised of four core courses: WGST 130, 381, 485, and a theory course that is satisfied by WGST 260, 331, 342, or a special topics course designated to fulfill this requirement. Other major requirements include three 4-credit courses (two of which must be at the 300-level or above) and three area courses (one from each of the areas listed below). Writing requirement completed with WGST 260, 331, 342, or 485.

Culture and Society Area: WGST 131, 138, 195, 242, 260, 290, 331, 335, 351, 368, FREN 460, SOC 345, 347.

Global Studies Area: WGST 320, 337, 350, 468, SOC 453, and approved J-term study-abroad courses.

Literature Area: WGST 147, 212, 240, 243, 245, 251, 361.

Requirements for a minor: All students take WGST 130 and 485 as required for introduction and capstone experiences, as well as four other courses from at least two of three designated areas. One of those four courses must number 200 or above. Relevant special topics courses may count.

Women and Gender Studies Courses

WGST 130 Introduction to Women and Gender Studies

- 4 hours
- Fulfills: Human Behavior

The course combines a cross-cultural survey of gender diversity with a history of gender studies, emphasizing the key theories, case studies, and social, economic and political climates. Students will explore variations in gender systems, focusing on other cultures to better understand their own. The primary goal is to develop a set of scholarly tools that render gender a useful category of social analysis. Designed as an introduction to women and gender studies; required for the WGST major and minor.

WGST 131 Contact Improvisation
This course is an introduction to the fundamentals of Contact Improvisation, a dance form that explores elements of physical contact among participants while challenging preconceptions about the gendered body. Emphasis will be placed on finding mindful and physical ways to prepare to be "ready" to dance: cultivating a quiet core amidst the wilderness of physical disorientation; finding the root of levity, contact point, weight sharing, and physical pathways into the floor and air; and focusing attention on the details of sensation. Students will engage in egalitarian practices for building physical skills of trust, receptivity, and responsiveness, as well as physical tolerance for waiting in the unknown. (Same as DAN 130)

WGST 147 Literature of African Peoples

- 4 hours
- Fulfills: Human Expression—Primary Texts, Historical, Intercultural
- Prerequisites: PAID 111D or transfer equivalent

Modern African writers are some of the most dynamic and innovative writers as they draw from and respond to different literary traditions, such as their own oral and written traditions, as well as European models. This course serves as an introduction to the various themes and styles of written literature of the 20th century. Central to discussion will be an analysis of gender within various African cultural contexts. Understanding constructions of masculinity and femininity, dominant female and male roles in society, and the ways in which the works challenge traditional norms of gender will be priorities within applied theoretical approaches. (Same as AFRS 147 and ENG 147)

WGST 195 Biology of Race And Sex

- 4 hours
- Fulfills: Natural World—Nonlab
- Prerequisites: Junior standing

This course will introduce students to basic concepts of inheritance and expression of genotypes into phenotypes, using the inheritance of sex and race-associated traits as case studies. These complex traits are useful examples of the influence of individual genes, genomes, and the physical environment on phenotypes. Not intended for biology majors. (Same as BIO 195)

WGST 212 Sex in Religious Texts

- 4 hours
- Fulfills: Human Expression—Primary Texts, Religion
- Prerequisites: REL 101, 111, or 112

This course will explore constructions of gender and sexuality in the texts of two or more religious traditions. Students will be introduced to contemporary theories of gender and sexuality that they will use to analyze primary texts in relation to their sociopolitical and religious contexts. Specific topics may include competing representations of men and women, different constructions of marriage, the use of marriage as a metaphor, the role of sexuality in mystical traditions and spiritual manuals, and representations of homoeroticism and bisexuality in religious texts. (Same as REL 212)
WGST 225 Women in Science

- 4 hours
- Fulfills: Natural World—Nonlab

This course studies various topics in the sciences by looking at great discoveries of female scientists. The class will start by examining scientific methodology, research, and process as well as an introduction to the various field of science. The history of women in science is followed by through daily reading assignments. In addition to the history and science taught by the instructor, students will be responsible for an in-depth project on an individual female scientist, studying both the science and other aspects of her life. The class will include some student-led class discussions and oral presentations, along with class lecture, activities assignments and tests. (Same as SCI 225)

WGST 240 Africana Women's Writing

- 4 hours
- Fulfills: Human Expression—Primary Texts, Intercultural
- Prerequisites: PAID 111D or transfer equivalent

A study of writing by selected Africana women writers from Africa, the Caribbean, the United States and elsewhere in the African diaspora. Topics may vary by geographic region or theme. (Same as AFRS 240 and ENG 240)

WGST 242 Sociology of Gender

- 4 hours
- Fulfills: Human Behavior—Social Science Methods
- Prerequisites: SOC 101

Examines the gendered structure of our everyday lives; makes gendered assumptions and practices explicit, and uncovers the impact of gender in the social world. Emphasis on historical and cross-cultural constructions of gender that provide alternatives to gender inequality and a basis for social change. (Same as SOC 242)

WGST 243 Time of Stalin: Literature and Memoirs Literature and Memoirs

- 4 hours
- Fulfills: Intercultural, Historical, Human Expression—Primary Texts

This course, through the medium of literature and memoirs, focuses on Russia/Soviet Union in the early years after the Bolshevik Revolution (1917) until Gorbachev’s glasnot and perestroika. Students will learn about the rise of Stalin, the time of terror and purges at the height of Stalin’s regime (mid 1930s), WWII, the “Thaw” after Stalin’s death in 1953, and the implications Stalinism has on present-day Russia. We will seek answers to the questions of how Stalin was allowed to rise to power, retain political control, and instigate policies that caused the deaths of approximately 20 million Soviet citizens - many of whom were Bolsheviks and loyal members of the Communist Party. Literary readings include memoirs, poetry, and novels. A significant part of the course concerns the role of women in the Bolshevik Revolution and their fate under Stalinism. This course fulfills requirements of international studies, women and gender studies, and Russian
studies. This course is taught in English and readings are in English. Offered alternate years.(Same as FCUL 243)

**WGST 245 Literature By Women**

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: PAID 111D or transfer equivalent

A study of how women writers from different historical periods use poems, stories, essays, and plays to address gender issues in the private and the public world. The course looks at how literature both presents and critiques culture and its construction of gender, as well as how it offers new visions and choices for women and men. Readings include such writers as Mary Wollstonecraft, Charlotte Bronte, Emily Dickinson, Toni Morrison, Gloria Anzaldua, and Octavia Butler. (Same as ENG 245)

**WGST 251 African-American Literature**

- 4 hours
- Fulfills: Human Expression—Primary Texts, Intercultural
- Prerequisites: PAID 111D or transfer equivalent

A survey of African-American literature with special attention to the intersection of race, class, and gender as writers engage with the struggle to achieve the democratic promises of freedom, justice and equality. Primary emphasis will be on literature written since 1920 when the Harlem Renaissance began. Includes authors such as Frederick Douglass, Harriet Jacobs, Langston Hughes, Richard Wright, Zola Neale Hurston, Ralph Ellison, James Baldwin, Alice Walker, and Toni Morrison. (Same as AFRS 251 and ENG 251)

**WGST 260 Feminist Philosophy**

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: One course in PHIL or two courses in WGST

Examination of feminist philosophies, including issues in epistemology, ethics, social philosophy, political philosophy, philosophy of religion and historical interpretation. Focus on the challenges which feminist theory presents to traditional philosophical assumptions in the Western tradition. This course counts as theory requirement for the WGST major. Offered alternate years. (Same as PHIL 260)

**WGST 270 Psychology and Aging**

- 4 hours
- Fulfills: Human Behavior
- Prerequisites: PSYC 130

This course is designed to examine psychological aspects of growing older in the 21st century. Students will be introduced to the current methodologies used to study aging as we explore the physical, cognitive, and psychosocial changes in individuals over the age of 60. The lecture,
readings and assignments will address a range of topics that include expected versus abnormal changes in memory, creativity, the shifting roles of the elderly in family and society, and coping with illness and loss. In light of the fact that individuals over the age of 85 are the fastest-growing segment of the global population, and that the majority are women (approximately 2:1), we will also study changes associated with gender roles and sexuality during our later years. A major goal for this course is to foster a clearer understanding of the processes associated with normal aging and to dispel a number of the stereotypes that surround this time of life. (Same as PSYC 270)

**WGST 290 Gender and Women's History**

- 4 hours
- Fulfills: Human Behavior—Social Science Methods, Historical

Faculty teaching this course will focus on the history of gender within their own period of expertise. The course will examine such gender questions as: Why and how should we study the history of gender? What do gender roles from the past tell us about our own gender experience? How do the histories of men and women as gendered persons intersect? The course will focus on these questions as they are related to the history of work, family, politics, and social behavior for the particular period and nation the instructor selects. (Same as HIST 290)

**WGST 320 Women and Gender in the Classical World**

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: PAID 112D or transfer equivalent

This course explores the constructions and representations of women and gender in ancient Greece and Rome through an examination of textual, art historical, and archaeological evidence. The course also addresses the intersections of women’s and gender issues with issues of legal status, class, and ethnicity, and pays close attention to current scholarly methodologies and approaches to the subject. Offered alternate years. (Same as CLAS 320)

**WGST 331 Gender, Health and Medicine**

- 4 hours
- Fulfills: Human Behavior

This class will invite students to examine gender and health issues around the globe. We will take an interdisciplinary perspective, which will involve readings in women and gender studies, anthropology, sociology, public health, and related disciplines. The course will focus on 3 major themes: equity and androcentrism in health care and health research, medicalization of bodily experiences, and reproductive health. We will address these issues both in domestic and global contexts. Our goal is to understand how bodies and health are connected to the politics of gender, race, and class, as well as to see how people have made sense of their bodies, desires, identities, suffering, and resistance to the various dimensions of oppression. This course counts as theory requirement for the WGST major. Offered alternate years.

**WGST 335 Masculinity in Film**

- 4 hours
This course takes a feminist perspective to analyze portrayals of sex and gender in film with a particular emphasis on how men and masculinity can be represented. The focus is on how films construct different notions of gender, how films can be read in different ways, and to what social uses film portrayals may be put. The course includes lectures on film criticism, gender theory, and theories of representation, as well as screenings and discussion. Offered alternate years. (Same as COMS 335)

WGST 337 God and Gender

☐ 4 hours
☑ Fulfills: Human Expression, Intercultural, Religion
☐ Prerequisites: REL 101, 111, or 112

An investigation of how our understanding and experience of gender are connected to our views of God, human beings, and the natural world. The course explores the works of a variety of thinkers and pays special attention to issues raised by feminist theologians who stand both inside and outside the Christian tradition. Possible topics include: language about God, human sexuality, views of women in the Bible, the nature of biblical authority, the feminist movement, the men’s movement, images of nature in Western religious thought, and the ordination of women. Offered alternate years. (Same as REL 233)

WGST 342 Feminist Rhetorical Theories

☐ 4 hours
☑ Fulfills: Human Behavior—Social Science Methods, Historical, Human Expression
☐ Prerequisites: WGST 130 or COMS 132

This course is a study of feminist rhetorical theories and expression. The class reads texts by feminist rhetorical theorists and rhetors. Special emphasis is placed on the intersection between social, cultural and economic contexts, political influences, and rhetorical strategies of women rhetors challenging Western patriarchy. This course counts as theory requirement for the WGST major. Offered alternate years. (Same as COMS 342)

WGST 350 Gendered Activism in a Global Context

☐ 4 hours
☑ Fulfills: Intercultural, Human Behavior

This course will explore varied expressions of activism at the community, national, and transnational levels, asking in what ways activism can be gendered and what gendered activism actually means for the lives of men and women around the world. Our understanding of gendered activism is informed by a richly comparative perspective that deals with topics such as war, peace, poverty, and globalization, and draws from ethnographic materials that give voice to activists from diverse regions of the world.

WGST 351 Gender and Crime
Examines how gender affects individuals' experiences as both victims and perpetrators of crime and deviance. Analyzes the history and theory of gender and crime in the U.S. and internationally, the social construction of victimization, and the impact of culture, structure, and inequality on criminal behavior. (Same as SOC 351)

**WGST 354 Women, Representation, and Politics**

- 4 hours
- Fulfills: Human Behavior—Social Science Methods

This course explores the role of gender in politics through the conceptual framework of representation. Focusing specifically on women’s representation, this course provides a comparative analysis of women’s movements in various countries, explores the role of transnational advocacy networks (TANs) in the implementation of gender-related policies, and discusses the rise in the number of women elected to political offices across the globe and its impact on political systems. (Same as POLS 354)

**WGST 361 Chaucer and Medieval Literature**

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: Junior standing

From heroes fighting monsters to Arthurian romances, medieval literature is best known for its stories of chivalry. Less well-known but equally wonderful are the comic tales of sex in trees and greedy friars dividing a fart. We will read Beowulf, narrative poems about love and adventure by Marie de France, the tale of Sir Gawain and the Green Knight, and much more, with in-depth attention to Chaucer’s Canterbury Tale. (Same as ENG 361)

**WGST 368 Gender in Art**

- 4 hours
- Fulfills: Human Expression—Primary Texts
- Prerequisites: ART 252 or WGST 130

Taking Linda Nochlin’s seminal essay, “Why Have There Been No Great Women Artists?” as our starting point, this course will explore the place of gender in the history of art. We will explore both images of men and images of women, as well as the differing roles afforded to male and female artists across time. We will examine assumptions we and others make about women, gender, art, culture, queer theory, and feminism. (Same as ART 368)

**WGST 381 Internship**

- 1, 2, or 4 hours

Required for the WGST major. Each WGST major will complete a 2-credit-hour internship. Students
must have had at least two WGST courses before completing an internship. Internship opportunities will be approved for credit by the WGST Board. Internships will be administered through the Career Center, with each intern having a faculty advisor chosen from the WGST Board or WGST faculty. Summer/Fall internship deadline is April 1. January/Spring internship deadline is November 1. Internships will be graded A-F. Contact WGST program chair for information.

WGST 468 Seminar: Gender, Globalization, and Development

☐ 4 hours  
✔ Fulfills: Human Behavior—Social Science Methods, Intercultural  
📧 Prerequisites: SOC 101

In this course we will examine the phenomena of globalization and development from a sociology of gender perspective. We will focus on the global intersections of contemporary societies and cultures, and the gendered dynamics therein. Questions we will raise include: How does globalization affect women’s and men’s lives? How is power distributed, and how does this impact development processes? What impact do gender dynamics play in the social institutions of development: economic, political, and cultural? (Same as SOC 468)

WGST 485 Seminar: Topics in Women and Gender Studies

☐ 4 hours  
📧 Prerequisites: WGST 130 and junior standing

An interdisciplinary seminar on women’s social action and social change as it is understood and guided by feminist theories. The conflicts and contradictions among feminisms will be discussed and critically examined in terms of implications for the future of gender relations. Students will develop projects related to course materials. Offered alternate spring semesters.

WGST 490 Senior Project

☐ 1, 2, or 4 hours