

# PROGRAMS OF STUDY

## ACCOUNTING

*Olson, Moon, Shaffer, Sullivan*

The accounting profession is constantly evolving and changing, with new technologies, regulations, and industry practices emerging all the time. As such, it is important that the curriculum in the Department of Accounting reflect the needs of the profession to produce well-prepared, knowledgeable graduates who are ready to succeed in the workplace.

Accounting is much more than just crunching numbers. Today's accountants work more as reviewers and analysts of accounting data rather than as preparers of that data. They need to think critically, identify errors or anomalies, interpret data, communicate effectively, and ask the right questions about what that data is telling them. Thus, the major in accounting focuses on developing students' critical thinking and problem-solving skills, which are essential for success in the profession.

Technology has significantly changed the way accounting information is processed and communicated to end users. In response, the IWU accounting major includes training in accounting software, data analytics, and other technological advancements used by professionals in the field. The increasing use of technology and data analytics in accounting suggests that IWU accounting majors should complete one or more elective courses in computer science/data science. See the Computer Science/Data Science section of this Catalog for course offerings. In addition to technical knowledge, accountants must have strong communication and interpersonal skills to succeed in the profession. The department of accounting curriculum includes courses on ethics, professionalism, and communication that help prepare future accounting professionals for the ethical challenges they may face in their careers.

Through course work and co-curricular activities sponsored by the department, faculty encourage students to gain an awareness of their own potential, assuming responsibility for their own actions, and making ethical long-term choices. The curriculum in the department offers students a broad range of instructional methods and engages students in a wide variety of assignments, including those which stress reading, writing, quantitative analysis, experiential activities, and group work. Students are encouraged to participate in internships, including those for academic credit. Internships add a new dimension to remaining courses and help students prepare for leading or entering into for-profit or non-profit organizations after graduation. Students are also encouraged to pursue individual research projects in collaboration with faculty and to take advantage of the many leadership opportunities associated with the department's student clubs and organizations.

The major in accounting meets the accounting requirements for taking the Certified Public Accountant Examination in Illinois and provides excellent preparation for entry into field of public accounting and the practice of accounting in industry or government. To sit for the CPA exam in Illinois, current law requires students to have completed at least 30 course units or the equivalent of 120 semester hours. To be a licensed CPA the candidate must

complete 37.5 course units or the equivalent of 150 semester hours. It may be possible for students to complete 150 semester hours in four years at IWU. Contact the department head for details. See more at [www.iwu.edu/accounting](http://www.iwu.edu/accounting).

Students seeking to matriculate into a major in accounting should complete the following six courses by the end of their sophomore year: (1) Gateway Colloquium; (2) Data Science/Computer Science 125, Mathematics 110, 176, or university credit for AP Calculus; (3) Economics 100; Introduction to Economics; (4) Economics 227; Statistics for Business and Economics; (5) Accounting 112: Financial Accounting; and (6) Accounting 212: Managerial Accounting. A grade of C- or higher must be earned in each of these courses. In addition, a student's cumulative GPA in these six courses must equal or exceed 2.50. No student wishing to major in accounting will be permitted to enroll in any upper-level course in the department, except Business Law I, prior to meeting these requirements.

Lower-level (100-200) courses in the department are open to all students. Upper-level (300-400) courses in the department are open to students not majoring in accounting with consent of the department head; a small percentage of seats in each class is reserved to accommodate such students, but such students should follow the department's closed course petitioning process. However, students not majoring in accounting may take only one upper-level course in the department unless required to do so by a major outside the Department of Accounting or unless they receive permission from the department head.

### **Major Sequence in Accounting:**

A minimum of 15 course units, to include:

1) ACC 111(.5CU), 112, 212, 212L(.5CU), 216, 218, 219, 315, 316, 317, 318, BUS 331, 355, and FIS 303

Two course units selected from the following electives: ACC 319(.5CU), 370(.5-1CU), 416(.5CU), 417(.5CU), 418(.5CU), 419(.5CU)

(Electives will be selected based on the specialization chosen on the CPA Exam)  
Other courses outside the department that accounting majors are required to complete:

1) Computer Science/Data Science 125, Mathematics 110, 176, or university credit for AP Calculus

2) Economics 100

3) Economics 227

**ACC 111 Accounting Procedures Lab (.5)** This laboratory course provides an understanding of the basic accounting cycle. Students will learn to apply debits and credits, perform transaction analysis using source documents, record transactions in special journals and the general journal, post to the general ledger, and record adjusting and closing entries. Students will also learn to work with subsidiary ledgers. Required course for Accounting majors. Prerequisite: ACC 112 or concurrent enrollment with ACC 112. *Offered annually.*

**ACC 112 Introduction to Financial Accounting** An introduction to business through the lens of financial accounting—an information processing system that communicates relevant data regarding business entities to internal and external decision makers. Emphasizes the basic concepts, principles, and techniques for decision makers to interpret and use accounting system information within all functional areas of business and the use of information systems generally within organizations. *Offered each semester.*

**ACC 113 Accounting for Entrepreneurs** An introduction to the essential accounting concepts and operating characteristics of accounting systems important to entrepreneurs in new ventures. Focus will be on both financial and managerial accounting with an emphasis on the basics of financial statements, how to interpret these statements, and how to make good decisions based on them. Cannot be used in the following majors: accounting, business administration, or finance. Cannot be used in the following minors: business administration, or human services management. *Offered spring semester.*

**ACC 212 Introduction to Managerial Accounting** Continuation of an introduction to business through the lens of managerial accounting—an information processing system that communicates relevant data regarding business entities to internal and external decision makers. Emphasizes the basic concepts, principles, and techniques for decision makers to interpret and use accounting system information within all functional area of business, and the use of information systems generally within organizations. Prerequisite: ACC 112. *Offered each semester.*

**ACC 212L Introduction to Spreadsheet Applications (.5)** This laboratory course is an introduction to the use of spreadsheet software to manage and present data. Topics include spreadsheet basics, formulas and functions, basic visualizations, analyzing data and utilizing macros. Students will develop basic to intermediate competencies for problem solving and decision-making using spreadsheets. Uses Microsoft Excel spreadsheet software. Prerequisite: Concurrent enrollment in ACC 212. *Offered each semester.*

**ACC 216 Professional Issues in Accounting (AV, W)** This course is designed to meet the needs of accounting students who are expected to complete a course in discipline-specific written communication and ethics in order to meet the educational requirements to sit for the CPA exam. This course will be discussion based, writing intensive, and will ask students to analyze a wide variety of ethical situations, apply alternative ethical theories and positions, and take a stance in the philosophical conversation. Prerequisite: Major in Accounting. *Offered each fall.*

**ACC 218 Accounting Information Systems** An introduction to the design, development, and implementation of manual and computer-based accounting information systems, with an internal control emphasis. Prerequisite: ACC 112. *Offered each spring.*

**ACC 219 Introduction to Data Analytics in Accounting** This course is intended to provide students with an understanding of data analytic thinking and terminology, as well as hands-on experience with data analytics tools and techniques. Students will be introduced to different data types and analysis techniques utilized in accounting. Students will develop skills, utilizing different software tools, to analyze accounting and business problems and to communicate results and solutions to management. The focus of this class is on concepts, not algorithms or statistical math. Prerequisite: ACC 218. *Offered each spring.*

**ACC 270 Special Topics in Accounting** Focused exploration of varied topics in accounting or related fields not currently offered in the curriculum. Topics vary depending on student interest and faculty expertise. Two or more may be taken concurrently or repeated for credit if the topic matter is different. Prerequisite: ACC 212 or consent of instructor. (.5-1CU) *Offered occasionally.*

**Note: Successful completion of all foundation course requirements or consent of department chair is a prerequisite to all 300-400 level ACC courses unless the student is minoring in a business field or is required to take one of these courses in a major outside the department.**

**ACC 315 Tax Accounting** Individual tax procedures and an introduction to corporation and partnership taxation. Prerequisite: ACC 212. *Offered each fall.*

**ACC 316 Intermediate Accounting/Auditing I** The presentation of the traditional framework of financial accounting, including such topics as principles of

revenue recognition and asset valuation; surveys the role of audits in market economies, including such topics as legal liability and materiality; contrasts the uses of financial and internal accounting, discussing such topics as the use of current cost information and the analysis of the overall value-chain. Prerequisite: ACC 212 and 218. *Offered each fall.*

**ACC 317 Intermediate Accounting II** Theory and problems related to stockholders' equity, dilutive securities, investments income determination, preparation and analysis of financial statements and other selected topics. Prerequisite: grade of C- or higher in ACC 316. *Offered each spring.*

**ACC 318 Intermediate Accounting/Auditing II** The presentation of a number of systems and auditing topics, structured primarily around transaction cycles; offers an overview of information systems from an accounting perspective and covers such auditing subjects as internal controls and statistical sampling. Prerequisite: ACC 316. *Offered each spring.*

**ACC 319 Intermediate Management Accounting (.5)** The course emphasizes the role of cost information in assisting managers in designing and implementing firms' strategic plans; adopts a decision-oriented approach to such cost topics as budgeting, variances, controls, and cost allocations. Prerequisite: ACC 212. *Offered each fall.*

**ACC 360 Travel Seminar** A travel course designed to increase students' awareness and familiarity with the business practices, culture, politics, and values of different countries around the world. Students meet with business executives, educators, government officials, and visit various business organizations and cultural sites. Prerequisite: Consent of instructor. *Offered May Term occasionally.*

**ACC 370 Special Topics in Accounting** In-depth examination of selected advanced topics in accounting or related fields not currently offered in the curriculum. Topics vary depending on student interest and faculty expertise. Two or more may be taken concurrently or repeated for credit if the topic matter is different. Prerequisite: ACC 212 or consent of instructor. (.5-1CU) *Offered occasionally.*

**ACC 395 Internship in Teaching** Intensive experience in assisting with the instruction of a specific course in business or economics. Assignments include researching, organizing, preparing, and delivering a small number of lectures in that class. Prerequisites: major in accounting or finance; completion of 22 or more course units; minimum of 3.25 GPA in major; consent of department head. *Offered each semester and May Term.*

**ACC 397 Internship in Industry** Not more than one course unit may be counted toward graduation requirements. May not be counted as general education credit or for the major or minor. Credit/No credit. Registration must be completed prior to the beginning of the internship. Prerequisites: Junior or senior standing and consent of instructor, minimum of six accounting, finance, business or economics courses. *Offered each semester and May Term. May also be taken in the summer for an additional tuition charge. See department head for specific requirements.*

**ACC 416 Advanced Accounting (.5)** Accounting theory applicable to consolidations, partnership organization and operation, liquidation and joint ventures. Prerequisite: ACC 317. *Offered each fall.*

**ACC 417 Government and Not for Profit Accounting (.5)** Intensive study of governmental, non-profit and fund accounting. Prerequisites: ACC 317 *Offered each spring.*

**ACC 418 CPA Exam Review (.5)** Advanced study of a range of topics, including, but not limited to, professional and ethical responsibilities of accountants; auditing problems, and financial reporting problems. Prerequisites: ACC 315, 317, 318, BUS 355. *Offered each spring.*

**ACC 455 Independent Study** Individual Study directed toward a specific topic in accounting. Prerequisite: consent of department chair. *Offered each semester and May Term.*

## **ADVOCACY**

*Simeone*, Coordinator

This minor is intended for students who seek to learn effective advocacy skills appropriate to law, public administration, or nonprofit management. The minor situates the citizen advocate in the parallel and overlapping domains of the law, civil society, and government. The minor will be attractive to those interested in pursuing the JD, MPA, or MA in nonprofit management upon graduation.

### ***Minor Sequence in Advocacy:***

The minor in Advocacy consists of six courses: two required courses and four electives. Students must select one of three concentrations: Law, Public Administration, or Non-Profit Management. The required courses consist of the core course and a concentration appropriate application course. Students will take three electives within their concentration and may select a fourth elective from one of the two other concentrations or from the list of electives common to the minor. Students must take at least two courses at the 300-level or above.

A minimum of six courses to include:

- 1) PSCI 202, Engagement and the City (required core course)
- 2) Completion of one of the three concentrations listed below.

### ***Public Administration Concentration***

- 1) PSCI 396, City Internship (required application course)
- 2) Three courses selected from the following:  
PSCI 201, State and Local Government  
BUS 341, Organization and Management  
PSCI 392, Empirical Political Research  
PSCI 398, Grant Writing
- 3) One additional elective selected from the elective list in any of the three concentrations or from the electives common to the minor.

### ***Law Concentration***

- 1) BUS 349, Seminar in Management: Trial Class (required application course)
- 2) Three courses selected from the following:  
PSCI 244, Voting, Voice, and Virtual Freedom  
PHIL 305, Philosophy of Law  
PSCI 307, Constitutional Law: Judicial Review and Constitutional Interpretation  
BUS 355, Business Law I  
BUS 356, Business Law II
- 3) One additional elective selected from the elective list in any of the three concentrations or from the electives common to the minor.

### ***Non-profit Management Concentration***

- 1) PSCI/SOC 395, Action Research Seminar (required application course)
- 2) Three courses selected from the following:  
SOC 240, The Profession of Social Work  
SOC 362, Social Welfare and Human Services  
BUS 332, Marketing in Service Industries and Not-for-Profit Management

PSCI/SOC 396, Internship Seminar  
PSCI/SOC 397, Internship in Administration  
PSCI/SOC 398, Grant Writing

- 3) One additional elective selected from the elective list in any of the three concentrations or from the electives common to the minor.

***Electives Common to the Minor:***

PSCI 101, American Politics  
ECON 100, Introduction to Economics  
ENST 200, Introduction to Geographic Information Systems (GIS)  
PSCI 281, American Social Policy

## **ANTHROPOLOGY COURSES**

*Fuist* (Coordinator)

Anthropology integrates the study of social, cultural, and biological aspects of human behavior. Unique among the social sciences, anthropology is indebted to both the humanities and the natural sciences, yet offers its own holistic perspective. Anthropology's traditional emphasis upon the non-western world, as well as its focus upon culture, are both timely and practical for university students today.

**160 Human Origins (LSI)** An introduction to human biological evolution and pre-history. Principle topics include the nature of modern science, primate adaptation, human variation and adaptation, the human fossil record, history of evolutionary thought, and the mechanics of evolution. *Offered occasionally.*

**171 Cultural Anthropology (CSI, G)** Introduces the study of cultures and social processes throughout the world today, with attention to anthropological theory and method. Topics include kinship, exchange systems, political organization, religion, and the expressive arts. Case studies from the non-western world as well as the contemporary U.S. *Offered occasionally.*

**176 Introduction to Archaeology** This course introduces students to the basic theories and methods that anthropological archaeologists use in the study of material culture, past and present. Students examine the history and evolution of field archaeology paying close attention to the contemporary excavation methods being used by archaeologists working on active sites in Illinois and around the world. *Offered occasionally.*

**245/345 World Music (IT, G) (Cross-listed with MUS 245/345)** This course explores how the social production of gender has interacted with music in select societies around the world and over time. Under study is the social life of music and the ways in which gender ideology has impacted how, why and by whom music is made. Case studies consider the gendered nature of musical production, interpretation, and the transformation. By tracing changing ideas about the role of women in society and how those ideas have influenced music vice versa, the intellectual traditions that shape and are shaped by music are better understood. *Offered occasionally.*

**273 Self and Society in Japan (CSI, G)** Aspects of everyday living in social and cultural context, with emphasis on social relations and the social institutions of family, work, education, medicine, and religion. Other topics include gender, play, art, and popular culture. *Offered occasionally.*

**288 Consuming Passions: The Anthropology of Food (G) (Cross-listed with ENST 288)** Considers forms of human eating in historical and cross-cultural perspective and their relationship to the environment. Examines various systems of

subsistence, from hunting and gathering to horticulture to pastoralism, as well as the symbolic aspects of food choice. *Offered occasionally.*

**360 Race, Racism, and Anthropology (IT, U)** Traces the relationship of anthropology's role in both inventing the concept of human races, and then challenging that conception. Examines how racial identities emerge from a variety of social and intellectual traditions that attempt to define race. Considers systems of racial classification and racism in non-Western societies, in addition to the U.S. *Offered occasionally.*

## **ART & DESIGN**

*Johnson, Estep, Lozar, Nielsen, and adjunct faculty*

The School of Art & Design offers students the opportunity to pursue the study of art, design, and art history within a small liberal arts community while also providing equipment and facilities afforded by a large comprehensive research institution. The School's programs seek to foster critical thinking and develop culturally and professionally relevant skills. The faculty members are experienced artists, designers, and scholars dedicated to stimulating and challenging students to develop their individual artistic strengths and prepare them for the creative and professional demands of contemporary art and design. Students work closely with faculty members through small classes and advanced individualized study. Every student is guided through the program by an art faculty member who serves as that student's academic advisor.

The School curriculum features major concentrations in two-dimensional studio art, three-dimensional studio art, and graphic design. The study of art history is a major part of every art student's experience at Illinois Wesleyan. All Bachelor of Fine Arts students have a four course concentration in the history of art to complement their major concentration. Internships, travel courses, and study abroad are available to all art students. Non-art major students are welcomed in many School of Art & Design courses.

Housed in the School of Art & Design, the Merwin Gallery provides an impressive 2,000 square foot space while the Wakeley Gallery is an excellent facility for smaller scale exhibitions. Ongoing shows, many featuring artists and designers of national and international prominence, provide students with an opportunity to study firsthand important works and to interact with visiting artists and designers. Students involved with gallery crew gain curatorial experience as they assist the gallery director with every exhibition. In addition, student artists and designers are provided a variety of exhibition opportunities throughout their undergraduate residence.

A portfolio review is required for students pursuing a Bachelor of Fine Arts degree, transfer students, and entering students seeking talent scholarships. A review is not required of students seeking the Bachelor of Arts degree.

### **Facilities and Equipment**

The School of Art & Design occupies a well-equipped building with complete studio facilities and equipment available for graphic design, drawing, painting, printmaking, ceramics, glass, photography, and sculpture. In addition to the Merwin and Wakeley galleries, the art building houses a large auditorium and studio classrooms. Semi-private studios are available for art majors after completion of the sophomore year.

Graphic design, web design, and digital photography courses are held in a Macintosh lab with a teaching station, 18 large screen iMacs, scanners, and high-definition display. High-resolution color printers are available for tabloid and oversized printing. Painting and drawing studios are equipped with easels and excellent lighting. The art lecture auditorium seats 130 and provides for large-screen audio-visual projection. The sculpture facilities allow for work in wood, stone, metal casting and welded metal. The glass studio holds a flame working area with eight bench-mounted torches and computer-controlled kilns for fused and cast glass. The printmaking area is equipped with two etching presses, a lithography press, and a variety of exceptional lithographic stones. The ceramics studio provides facilities for wheel-throwing and sculpture including electric wheels, and several kilns. The photography labs offer complete darkroom and processing facilities with sixteen enlargers, several archival print washers, and dry mount presses.

The School of Art & Design has a permanent art collection of over 300 paintings, prints and drawings, including artworks by Leonard Baskin, Max Beckmann, Philip Guston, Nathan Oliveira, Larry Rivers, and James Abbot McNeill Whistler. This collection is displayed throughout the Illinois Wesleyan University campus for student study, campus enrichment, and as a symbol of the School's commitment to the visual arts.

### **Bachelor of Fine Arts**

The School of Art & Design offers programs leading to the professional degree, Bachelor of Fine Arts. Candidates for the B.F.A. may select one of three concentrations: Two-dimensional Studio Art, Three-dimensional Studio Art, or Graphic Design.

A portfolio review is required for acceptance into the B.F.A. program.

#### ***Major sequence in Art:***

A minimum of 32 courses are required for the B.F.A. degree.

Eighteen courses minimum in the Art major:

1. Art 111, 113, 115, 320, 322, and 399
2. Students must complete one of the following concentrations (12 courses):  
Two-dimensional Studio Art, Three-dimensional Studio Art, or Graphic Design
3. B.F.A. degree candidates must present a senior exhibition or project for approval by the art faculty.

#### ***Two-dimensional Studio Art Concentration:***

1. Select eight courses from: ART 130, 135, 140 or 240, 213, 230, 235, 302, 330, 335, 340, 381, 415, 430, 435, 440, 480, 497
2. Select four courses outside the area of concentration. These may be courses in Graphic Design, Three-dimensional Studio Art, Art History, or BUS 240

#### ***Three-dimensional Studio Art Concentration:***

1. Select eight courses from: ART 125, 137, 139, 225, 237, 239, 302, 337, 339, 381, 437, 439, 480, 497
2. Select four courses outside the area of concentration. These may be courses in Graphic Design, Two-dimensional Studio Art, Art History, or BUS 240



***Graphic Design Concentration:***

1. Select eight courses from: ART 140 or 240, 141, 241, 242, 341, 342, 343, 441
2. Select four courses outside the area of concentration. These may be courses in Two-dimensional Studio Art, Three-dimensional Studio Art, Art History, or BUS 240

**Bachelor of Arts**

The Bachelor of Arts degree offered by the School of Art & Design is a flexible program intended to facilitate integration with study in other fields. The BA is the appropriate degree in art for most students who want to double major.

The School of Art & Design will accept any student as a Bachelor of Arts degree major who meets the general requirements for entrance to the University. For transfer students to be admitted to the School of Art & Design, a portfolio is required if the equivalent of one year's college work or more is acceptable to Illinois Wesleyan.

***Major sequence in Art:***

A minimum of 32 courses are required for the B.A. degree.

1. ART 111, 113, 115, 320, 399
2. Students must complete one of the following concentrations: Studio Art or Graphic Design.

***Studio Art Concentration (for a total of 12 courses)***

1. ART 322
2. One of the following two-dimensional studio art: ART 130, 135, 140, 141, and 240
3. One of the following three-dimensional studio art: ART 125, 137, 139, and 225
4. Four additional studio art courses, two of which must be at the 200-level or above

***Graphic Design Concentration (for a total of 14 courses)***

1. ART 140 or 240
2. ART 141, 241, 242, 341, 342, and 343
3. Two of the following: two-dimensional studio art, three-dimensional studio art, and BUS 240

***Minor Sequence in Studio Art:***

The minor program in studio art is designed to provide students with many of the basic skills and knowledge which are stressed in the degree programs. The minor includes foundation level courses, introductory and/or intermediate studio courses and courses in art history.

A minimum of seven course units to include:

- A. Art 111, 113, 115, 320
- B. One course unit of 100-level studio art
- C. One course unit of 200-level studio art or one additional unit of 100-level studio art
- D. One unit of 300-level art history

***Minor Sequence in Graphic Design:***

The minor in Graphic Design provides a broad understanding of visual communication theory and practice. Through the development of conceptual,

aesthetic, and technical skills, students will create visual messages across a variety of media. This minor will benefit students in Business, Marketing, Design, Technology and Entrepreneurship, and areas where visual communication is vital.

A minimum of seven course units to include:

- A. Art 111, 141, 241, 242, 341
- B. One unit of photography from 140 or 240
- C. One unit of 300-level art history from 320 or 322

***Minor Sequence in Art History:***

The Art History minor is open to all undergraduates and requires a minimum of five course units.

- A. Art 115
- B. Two course units of 100-level or above art history
- C. Two course units of 300-level art history

Students must earn a C or higher in courses applied toward the Art History minor.

***Note: All 100-level courses are open to non-art majors without prerequisite.***

**111 Foundation Art (AR)** This course explores the foundations of color, form, and design through studio projects in two and three dimensions. It seeks to foster creative processes and problem solving suitable for innovations in art, design, and culture. It also serves as the foundation for the development of aesthetic practices and is required for art majors and minors. *Offered each fall.*

**Two-dimensional Art Courses**

**113 Drawing I (AR)** Drawing is a perceptual experience based on working from still life, the human form and other sources approached from a specific skill-based emphasis. Familiarity with a variety of drawing media is stressed as well as the techniques relating to composition and concept. Coursework is structured around a sequence of problems concerned with developing an understanding of form, structure, value, shape, line, edge and color using various media. Additional emphasis will be given to understanding the historical significance of drawing, developing a critical language about drawing and gaining insight into the various ways artists use this medium to achieve their conceptual goals. *Offered each semester.*

**130 Painting I (AR)** Introduction to painting processes and concepts. Explores painting as a medium of aesthetic expression and develops an awareness of selected historical and contemporary modes of painting. Critiques, group discussions, research and information gathering assignments, lectures, and demonstrations, complement studio work. *Offered each semester.*

**135 Printmaking I (AR)** Introduction to printmaking processes and concepts. Explores printmaking as a medium of aesthetic expression and develops an awareness of selected historical and contemporary modes of printmaking. Critiques, group discussions, research and information gathering assignments, lectures, and demonstrations complement studio work. *Offered occasionally.*

**140 Photography I (AR)** Introduction to black and white processes and concepts. Explores photography as a medium of aesthetic expression and awareness of both historic and contemporary trends in photography. Beyond collecting photographic images and studio work, students engage in group discussions and a series of critiques. Slide lectures, demonstrations of studio processes and research assignments complement studio work. *Offered occasionally.*

**213 Drawing II** A consideration of problems in perceptual and conceptual drawing. The aim is to further the understanding of drawing as an intermediary step which leads toward a completed work of art, and as a distinct art form having its own aesthetic qualities and being fully capable of producing an art object. Prerequisite: ART 113. *Offered each semester.*

**230 Painting II** A continuation of ART 130. Individual problems in painting. Prerequisites: ART 130. *Offered each semester.*

**235 Printmaking II** An introduction to the processes of lithography and color intaglio. Techniques and skills achieved in Art 135 will continue to be utilized. Prerequisite: ART 135. *Offered occasionally or by special arrangement.*

**240 Digital Photography (AR)** Digital Photography explores the conceptual, creative, and technical processes of the medium. The course includes demonstrations of technological best practices, from image capture to print, including web publishing. Each student will create a portfolio of digital images through studio work. Access to a digital single-lens reflex (DSLR) or mirrorless camera throughout semester is strongly encouraged. *Offered occasionally.*

**330 Painting III** A continuation of 230. Students are expected to demonstrate greater independence and experimentation in their work. Prerequisite: ART 230. *Offered each semester.*

**335 Printmaking III** A continuation of 235. Students are expected to demonstrate greater independence and experimentation in their work. Prerequisite: ART 235. *Offered occasionally or by special arrangement.*

**340 Photography III** A continuation of 240. Students are expected to demonstrate greater independence and experimentation in their work. Prerequisite: ART 240. *Offered occasionally.*

**415 Advanced Drawing** For advanced students who have an awareness of the basic problems in drawing. The course has three aims: development of a personal drawing style, familiarity with all drawing media, and a greater general appreciation of drawing. Prerequisite: ART 213. *Offered each semester.*

**430 Painting IV** Concentrated individualized work for advanced students. Prerequisite: ART 330. May be repeated once for credit. *Offered each semester.*

**435 Printmaking IV** Concentrated individualized work for advanced students. Prerequisite: ART 335. May be repeated once for credit. *Offered occasionally or by special arrangement.*

**440 Photography IV** Concentrated individualized work for advanced students. Prerequisite: ART 340. May be repeated once for credit. *Offered occasionally.*

### **Three-dimensional Art Courses**

**121 Beginning 3-D Design (AR)** This course provides an introduction to the concepts and methods of designing and making three-dimensional objects. Students receive instruction on basic tools and materials in addition to 3D software. Course content includes lecture, discussion and studio projects. *Offered occasionally.*

**125 Glass I (AR)** An introduction to glass-working. This course is designed for both the beginning artist and glassworker. The technical basis of the class is paired with assignments that encourage the visualization of original ideas. Historical and contemporary ideologies of glassmaking techniques will be discussed, researched, and put into practice. *Offered each semester.*

**137 Sculpture I (AR)** Introduction to three-dimensional problem solving and to sculptural processes and concepts. Explores sculpture as a medium of aesthetic expression

and develops an awareness of selected historical and contemporary trends in sculpture. Critiques, group discussions, research and information gathering assignments, lectures, and demonstrations complement studio work. *Offered occasionally.*

**139 Ceramics I (AR)** Introduction to ceramic processes and concepts. Explores ceramics as a medium of aesthetic expression and develops an awareness of selected historical and contemporary modes of ceramics. Critiques, group discussions, research and information gathering assignments, lectures, and demonstrations complement studio work. *Offered each semester.*

**201 Design Processes (W)** This course will examine various models of design and product development processes. However, the main model that will be used is Clarification (or Research), Ideation, Development, Implementation. Particular emphasis will be placed on the clarification/research and ideation portions of the process. *Offered occasionally.*

**221 Designing for People** This course examines various factors that contribute to the creation of products that are safe, usable and understandable. Course content includes the study of ergonomics and anthropometry, as well as interactive object design and industrial design history. The course will be taught through a combination of lecture, discussion and studio projects. *Offered occasionally.*

**225 Glass II (AR)** Continuation of ART 125 with a focus on a specific glassmaking technique(s) gained in Glass 1. Students will stretch their artistic concepts as well as their glass technical skill while focusing on one or more techniques. Critiques, group discussions, research and information gathering assignments, lectures and demonstrations complement studio work. Prerequisites: ART 125. *Offered each semester.*

**237 Sculpture II** A continuation of 137. Individual problems in sculpture. Prerequisite: ART 137. *Offered occasionally or by special arrangement.*

**239 Ceramics II** A continuation of 139. Individual problems in ceramics. Prerequisite: ART 139. *Offered each semester.*

**312 Materials and Processes** This course provides a survey of different types of materials, fabrication techniques, and manufacturing processes. This will involve a combination of lecture and lab/studio work. Prerequisites: PHYS 101, 105 or 131. *Offered occasionally.*

**329 Concept to Prototype** This course offers an investigation into the process of conceptualizing, designing and creating product prototypes. Students will work through a series of projects in which they must address both functional and aesthetic considerations involved in prototyping. Prerequisites: ART 201 and ART 312. *Offered occasionally.*

**337 Sculpture III** A continuation of 237. Students are expected to demonstrate greater independence and experimentation in their work. Prerequisite: ART 237. *Offered occasionally or by special arrangement.*

**339 Ceramics III** A continuation of 239. Students are expected to demonstrate greater independence and experimentation in their work. Prerequisite: ART 239. *Offered each semester.*

**437 Sculpture IV** Concentrated individualized work for advanced students. Prerequisite: ART 337. May be repeated once for credit. *Offered occasionally or by special arrangement.*

**439 Ceramics IV** Concentrated individualized work for advanced students. Prerequisite: ART 339. May be repeated once for credit. *Offered each semester.*

### Graphic Design Art Courses

**141 Graphic Design I (AR)** Introduction to visual communication, aesthetic theory, and computer graphics tools and techniques. Explores graphic design as a means of communication, artistic expression, and organization of information. Critiques,

group discussions, research and information gathering assignments, lectures and demonstrations complement studio work. *Offered each semester.*

**241 Graphic Design II: The Image & Design** A continuation of the study of imagery and image making in design through a series of projects. Visual communication through original photography, manipulated photography and illustration are explored using both hand and digital tools. Both theory and the process of design are emphasized through a variety of media ranging from print to digital. Prerequisite: ART 141. *Offered each fall.*

**242 Graphic Design: Web Design** A studio course exploring visual layout principles of interactive website design. Survey of methodology, theory, and best practice of web design solutions. Projects will explore current technologies. Prerequisite: none. *Offered each fall.*

**341 Graphic Design III: The Narrative & Design** A study of visual narrative design, emphasizing creativity and effective visual communication. Through a variety of projects students will learn the historical basis of typography and the relationship between language and form. A continuation of the study of design principles will be emphasized in both static and interactive media. Prerequisite: ART 241. *Offered each spring.*

**342 Graphic Design: Advanced Web Design** A studio course exploring advanced web design strategies with an emphasis on content, visual design, and effective human computer interaction. Students will complete projects that incorporate best practices for web design and development. Course projects will build on skills and concepts learned in ART 242. Prerequisite: ART 242. *Offered each spring.*

**343 Graphic Design IV: Problem Solving & Design** A course that will challenge designers to look at larger questions of design and social change. Working as a team with either campus or community organizations students study the complexity of an issue. Students define the challenges and design experiences, artifacts, and/or contemporary media to innovate change, educate, or inspire. Students will use advanced branding practices to create cohesive communication. Prerequisite: ART 341. *Offered each fall.*

**441 Graphic Design V: Design Portfolio** A concentrated study of complex design problems building on the students' previous design experiences. New work may range from an illustration series, branding or promotional campaigns, and complex educational or informational communication to design entrepreneur projects. Students propose a plan for the semester for faculty approval. Prerequisite: ART 343. May be repeated once for credit. *Offered each spring.*

### **Art History Courses**

**110 Close Looking (AR)** This course introduces students to the visual arts through firsthand encounters with works on and near campus. Written assignments and discussion will emphasize art as a visual language comprised of multiple media and conceptual frameworks. The course will provide an understanding of and appreciation for the cultural impact of art. *Offered in alternate years, fall semester.*

**115 Introduction to Art History (AR)** This course explores the relationship between artistic production and audience in a historical and global context. Students will focus on selected works of art to develop the ability to engage visual texts in an analytical and critical manner. Course includes visits to campus galleries and collections. *Offered each spring.*

**212 Baroque 'n Glass (AR, G)** We will study the dramatic art and architecture of the Baroque in Rome and visit glassblowing workshops on the island of Murano, Venice. Historically the most powerful glassmaking center in Europe, Venice witnessed the shattering and forgetting of its traditions in the Baroque while Rome shaped the history of art.

**220 Introduction to Visual Culture (IT, W)** What might our contemporary attitudes toward images share with ancient image beliefs? The course explores the ideas prevalent in a society represented in visual cultural production. Through close reading of primary sources, we will investigate theories that persist and reveal the motivations of image producers endlessly fighting for our consciousness. Offered each spring semester.

**311 Art and Architecture of the Roman World (AR) (Cross-listed with HIST 311)** This course follows the development of the forms and ideologies of Roman art from the republic to late antiquity. The issues to be discussed will include public and private and civic and religious art and architecture, urban planning, and the interaction of Roman art forms and provincial cultures in the forging of identity. Offered occasionally.

**316 European Art, 1750-1900 (AR)** An examination of the visual arts and critical ideas shaping Europe from the Enlightenment to the beginnings of Modernism. Course explores the visual culture of the French Revolution, art and colonialism, the major artistic movements, and the rapid technological and social changes associated with modernity. Familiarity with art history is not required. Offered occasionally.

**320 Global Modern Art (AR, G)** Surveys major developments in global modernisms from the late nineteenth to the mid twentieth century in Africa, Asia, Europe and North and South America. Key topics include artistic responses to World Wars, European Imperialism and colonialism, the development of artistic trends, new technologies, and the rise of avant-gardism. Offered each fall.

**322 Global Contemporary Art (AR, G)** A critical survey of art since the 1960s, exploring strategies of artistic practice and art's social engagement in Africa, Asia, Europe, Oceania, North and South America. Course themes include ephemeral and collaborative multimedia projects, performance and process art, the rise of new media, decolonialism, and transnational artists. Offered each spring.

**370 Special Topics in Art History** May vary in content with each offering. The central focus may be on one or more art movements, particular artistic problems or concepts, time periods or geographical locations which are more or less narrowly defined, or on the work of an individual artist. Each course offering under this title bears a subtitle which indicates the specific subject matter and the type of course experience that is planned. May be repeated for credit if course content is not duplicated. Offered occasionally.

**450 Advanced Studies in Art History (W)** The seminar topic varies with each offering and may include a specified historical movement or group of artists, methodological trends or conceptual problems in the field. The seminar combines discussion and presentation, research and writing. Offered occasionally.

**399 Art Seminar (W)** A seminar on a theme in art and visual culture, open to all upper-level undergraduates and required of seniors in the School of Art. Topics will vary, and the course may be repeated for credit. The seminar is research-focused and writing intensive. Offered in alternate years, fall semester.

### **Additional Art Courses**

**297, 397, 497 Internships** Individually designed experiential learning. May include field studios or internship placements such as commercial printing, graphic design, museum or gallery work. Prerequisite: Consent of the School of Art faculty. *Offered each semester.*

**302 Contemporary Professional Practices** This course will address the material, technical, and theoretical choices necessary for producing and understanding contemporary art. It will be an exploratory seminar. The class will promote an interdisciplinary approach to the making of art and help the student to discover how different material and technical

decisions can inform their visual and conceptual practice. Prerequisite: Junior standing within the School of Art. *Offered occasionally.*

**381 Special Topics in Art & Design (AR)** May vary in content with each offering. The central focus may be on one or more issues of process, content, or style. Each course offering under this title bears a subtitle which indicates the specific type of course experience that is planned. May be repeated for credit if course is not duplicated. *Offered occasionally.*

**480 Special Individual Projects** Individually designed research studies, field experiences, or experimental studio projects in an area of special interest; carried out under the guidance of the instructor or a special supervisor. May be repeated for a maximum of three units of credit. Prerequisite: Consent of instructor. *Offered as needed.*

## ARTS MANAGEMENT

*Wallace, Coordinator*

The Arts Management minor is designed to help prepare individuals to effectively manage performing and visual arts organizations such as galleries, theatres, orchestras, museums, and arts councils. The program is designed to complement major study in one of the Fine Arts disciplines; accordingly, the minor sequence is available only to students majoring in art, music, or theatre arts. A description of additional requirements or restrictions may be found elsewhere in this *Catalog* under the sections listing the B.A. requirements for Music and Theatre Arts and the B.A. and B.F.A. requirements for Art.

### *Minor Sequence in Arts Management:*

Six course units to include:

- 1) Accounting 112
- 2) Business Administration 332, 341, 355
- 3) two courses chosen from Accounting 212, Business Administration 344 and English 211.

## ASIAN STUDIES

For information about the major in International and Global Studies with a concentration in Asian Studies or the minor in Asian Studies please see International and Global Studies on page 222.

## BIOCHEMISTRY

For detailed requirements of the biochemistry major and course descriptions, please see Chemistry and Biochemistry on page 156.

## BIOLOGY

*Walker, Alvey, Cozy, Harper, Haywood, Jaeckle, Lehr, Schwend, Walter*

A basic assumption underlying the biology curriculum is that all undergraduate biology majors, regardless of future plans for specialization, can profit by taking a required core of courses emphasizing study at the molecular/cellular, organismal, and population/community levels of organization, thereby gaining a broad introduction to the principles of all important areas of modern biology.

Students planning a major sequence in the field of the biological sciences

should include in the four-year program of studies as much experience as possible in other sciences (particularly chemistry and physics) and mathematics.

Satisfactory completion of such a program provides the student with the necessary background for: (1) graduate level study; (2) admission to schools of medicine, dentistry, environmental science, forestry, osteopathy, pharmacy, optometry, veterinary medicine, physical therapy, or paramedical programs; (3) teaching biology at the secondary level\*; and (4) positions in research, industrial laboratories, and government field work.

All students must earn a “C-“ or better in General Biology 102 or 108 in order to take courses requiring 102 or 108 as a prerequisite.

### ***Major Sequence in Biology:***

A minimum of ten courses in biology to include:

- 1) BIOL 101 and 102
- 2) BIOL 212 Introduction to Genetics (with lab)
- 3) BIOL 216 Foundations of Evolution
- 4) One course in Ecology or Diversity selected from BIOL 306, 318, 319, 322, 324, 327, 328, or 350
- 5) One course in Cellular or Molecular Biology selected from BIOL 314, 325, 330, 340, 407, 410, or 412
- 6) One course in Organismal Biology selected from BIOL 307, 310, 311, 313, 315, or 319
- 7) Two additional courses at the 300 or 400 level and selected from departmental offerings
- 8) One of the 4 courses at the 300/400 level must have a significant emphasis on research and selected from the following: BIOL 307, 309, 311, 314, 324, 325, 327, 328, 340, 345, 411, or 412
- 9) One unit of BIOL 390

Although not required for the biology major, in preparation for many careers in biology it is strongly recommended that students take:

- 1) Four lab courses in Chemistry (201, 202, 311, 312)
- 2) Two lab courses in Physics (101, 102 or 105, 106)
- 3) Mathematics through 176 (or proficiency)

### ***Minor Sequence in Biology:***

Six courses in biology to include:

- 1) BIOL 101 and 102
- 2) BIOL 212 (with lab)
- 3) BIOL 216
- 4) One course in Organismal Biology selected from BIOL 307, 310, 311, 313, 315, or 319
- 5) One 300/400 elective

**\*Biology majors and minors who seek a secondary teaching license declare a second major in secondary education and apply to the Teacher Education program in the sophomore year. Additional coursework in the physical sciences is required for licensure. Refer to the Educational Studies section in this *Catalog* and the *Teacher Education Program Handbook* ([www.iwu.edu/educational-studies/handbooks/](http://www.iwu.edu/educational-studies/handbooks/)) for further information.**



**101, 102 General Biology (1.25) (1.25) (LSL)** A concentrated introduction to molecular, cellular, genetic, developmental, and organismic biology. Emphasis on fundamental principles, concepts, and current developments of modern biology. Intended for biology majors, biochemistry and neuroscience students, and interested non-majors. Five hours of lecture and three hours of laboratory per week. Prerequisite: BIOL 101 for 102. *101 offered each fall; 102 offered each spring.*

**107, 108 Human Biology: Anatomy and Physiology (1.25) (1.25) (LSL for 107)** A concentrated introduction to the biology of human beings. Emphasis on the structure and function of the human body; its organs and organ systems. Prerequisite for 108: successful completion of 107 or, in special circumstances, consent of instructor. Five hours of lecture and two hours of anatomy/physiology laboratory per week. Credit for biology majors will be given only by written consent of department chair. Credit in biology will not be given for both Human Biology 107-108 and General Biology 101-102. *107 offered each fall; 108 offered each spring.*

**114 The Microbial World (1.25) (LSI)** An introduction to the biology of microbes that concentrates on bacteria and viruses. Emphasis on human health issues, on applied microbiology, and on the roles of microbes in the environment. Four hours of lecture and three hours of laboratory work per week. Credit will not be given toward the biology major. Prerequisites: CHEM 110, BIOL 107, concurrent enrollment in BIOL 108, or consent of instructor. *Offered each spring.*

**116 Understanding Evolution (LSI)** Understanding Evolution provides students with a working knowledge of evolutionary theory and will cover history of evolutionary thought, the evolution wars, human diseases and antibiotic resistance, genetic engineering, modern agriculture, alien invasive species, conservation biology, evolution of behavior and emotions, evolution of sexual reproduction, and homosexuality. This course is intended for non-majors and credit will not be given toward the biology major or minor. Three hours of lecture per week. Prerequisites: None. *Offered each fall.*

**120 Ecology and Environmental Problems (LSI) (Cross-listed with ENST 120)** Examination of major environmental concepts, problems and possible solutions. Basic ecological principles will serve as a foundation for discussion of such issues as human population growth, resource extraction/depletion, loss of biodiversity, and pollution. Designed for non-science majors; credit will not be given toward the biology major or minor. *Offered annually.*

**212 Introductory Genetics (1) (1.25) (LSI)** Introduction to the principles of transmission and molecular genetics of plants, animals and bacteria. Structure and replication of DNA, recombination, gene expression and cloning. Students in the Biology major/minor are required to enroll in three hours of lecture with laboratory (1.25 units). Other interested students who are not a Biology major/minor may enroll without lab (1 unit). With instructor permission and if space permits students who are not a Biology major/minor may be offered enrollment in the laboratory. Prerequisites: BIOL 101 and 102, or 107 and 108. *Offered each semester.*

**216 Foundations of Evolution (LSI)** This course provides students with a framework of evolutionary biology and will cover history of evolutionary thought, natural selection, adaptation, coevolution, human evolution, human diseases and antibiotic resistance, genetic engineering, agriculture, alien invasive species, conservation biology, evolution of behavior and emotions, evolution of sexual reproduction, homosexuality, religion and evolution, and misconceptions of evolution. Three hours of lecture and one hour of discussion session per week. Prerequisites: BIOL 101 and 102 or 107 and 108. *Offered each semester.*

**300 Biology and Ethics (AV, W)** A study of ethical and social issues arising out of the rapidly developing fields of reproductive biology and genetics. In the first quarter of

the course, students will be introduced to different ethical theories; in the remainder of the semester, they will look at specific ethical issues. Issues examined may include those that arise in connection with RU-486, surrogacy, IVF, sex cell storage, cloning, and human stem cell research. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108. *Offered occasionally.*

**306 Plant and Fungal Diversity (1.25)** An examination of the major groups of plants and fungi plus a consideration of their evolutionary origins and phylogenetic relationships. Four hours of lecture and five hours of laboratory per week. One field trip. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108. *Offered each fall.*

**307 Animal Physiology (1.25) (LSL)** In this course, we will learn about the structures and functions that allow humans and diverse animals (land and aquatic) to thrive, adapt, and survive in a variety of different climates and habitats. The course meets for four hours of lecture and four hours of laboratory. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108. *Offered each fall.*

**310 Chordate Comparative Anatomy (1.25)** Structural and functional organization and evolution of chordate animals. Four hours of lecture and five hours of laboratory per week. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108. *Offered each spring.*

**311 Embryology (1.25)** A survey of the construction of animal body plans at the tissue and organismal levels of organization. Both observational and experimental approaches used in this field of study will be presented. Emphasis on vertebrate embryology, including human development. Lab activities include conducting experiments using live specimens and histological analysis of prepared materials. Four hours of lecture and four hours of laboratory per week. Prerequisites: BIOL 101 and 102 (or BIOL 107 and 108). *Offered each spring.*

**312 Genetics (LSI)** Basic principles of Mendelian, molecular, and population genetics. BIOL 312 may not serve an elective course toward the major requirements. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108. *Offered occasionally.*

**313 Histology (1.25)** A microscopic examination of the structure of animal cells, tissues, and organs in lab is coupled with an examination of their structural and functional properties in lecture. Three hours of lecture and four hours of laboratory work per week. Prerequisites: BIOL 102 or 108. *Offered each fall.*

**314 Microbiology (1.25)** Study of microorganisms, emphasizing biology of bacteria and viruses and including basic study of immune responses to antigenic substances. Four hours of lecture and four hours of laboratory per week. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108 (306 recommended). *Offered each fall.*

**315 Plant Anatomy and Physiology (1.25)** A study of vascular plant structure and function integrating knowledge of plant anatomy, water relations, metabolism, growth, and development. Three hours of lecture and four hours of laboratory per week. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108. *Offered each spring.*

**316 Evolution (LSI)** An examination of evolutionary theory, covering genetic and biochemical concepts of evolution; adaptation, selection, and the origin of diversity; biogeography; earth history; paleontology; and systematics of plants and animals. Three hours of lecture and one hour of lab/discussion per week. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108. *Offered each fall.*

**318 Field Ornithology (LSI) (Cross-listed with ENST 318)** A general introduction to the biology, ecology and behavior of birds. Students will spend time practicing bird identification and observing bird behavior in the field. Local and regional field trips will be made to observe migrating and resident birds. No previous experience with birds is expected. Satisfies major or minor in Biology or Environmental Studies. Prerequisites: BIOL 101 and 102 or BIOL 107 and 108, or BIOL/ENST 120. *Offered alternate May Terms.*

- 319 Biology of Invertebrates (1.25)** This course is a comparative study of the functional morphology, behavior, and ecological and evolutionary relationships of invertebrate animals. Students work with live specimens whenever possible. Three hours of lecture and four hours of laboratory per week. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108. *Offered occasionally.*
- 321 Conservation Biology and Restoration Ecology (1.25) (Cross-listed with ENST 321)** Ecological principles and conservation law and policy will serve as a basis to assess human impacts on biological diversity and to develop practical approaches to prevent species extinction. Labs will involve students in applying restoration ecology principles and techniques in the field to restore local ecosystems. Prerequisites: BIOL 102 or 108. *Offered in alternate years.*
- 322 Herpetology** This May term course introduces students to the branch of zoology (herpetology) that emphasizes the study of amphibians and reptiles. It has a lecture, lab and field components and culminates with a mini research conference in which each student presents their independent research on a selected herpetological topic. Prerequisites: BIOL 101 and 102, or 107 and 108 or BIOL/ENST 120. *Offered in alternate years, May term.*
- 323 Biostatistics and Experimental Design** This course will cover statistical theories and tests applied in the analysis of biological data, and to the proper design of scientific experiments. Students will practice asking pertinent questions and critically reading scientific literature in preparing for research projects. Each student will orally review and critique published research articles. Prerequisites: BIOL 101 and 102, or 107 and 108. *Offered each spring.*
- 324 Principles of Ecology (1.25) (W)** An introduction to the major concepts of ecology; the structure and function of ecosystems, population and community dynamics, and plant and animal adaptations. Four hours of lecture and four hours of laboratory/field work per week. Prerequisites: BIOL 101 and 102, or 107 and 108. *Offered each fall.*
- 325 Cellular and Molecular Neuroscience (1.25)** The course will first explore aspects of neural induction, differentiation and axon guidance. From this foundation, the course will examine specific structural (cellular) and gene expression (molecular) features of neurons as they coordinate key animal tasks, such as vision, pain sensation, and movement. The course will also examine the cellular mechanisms that underlie neuronal aging and common neural diseases. Prerequisites: PSYC 213 and CHEM 312. *Offered each spring.*
- 326 Topics in Marine Biology** A seminar in invertebrate zoology that explores from the primary literature diverse aspects of marine and freshwater animals and the environments in which they live. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108, and any upper level biology course. *Offered occasionally, spring semester.*
- 327 Experimental Ecology (1.25) (W)** A researched-based course in ecology in which students present and critique published ecological studies, write a research proposal and design and conduct a research project on a topic of their choice. The results of the study will be summarized in an oral presentation and a poster. Prerequisite: BIOL 101 and 102, or BIOL 107 and 108. *Offered occasionally.*
- 328 Experimental Zoology (1.25) (W)** A research-based course that explores fundamental concepts in development, physiology, and life history characteristics of animals by analyzing primary literature and conducting experiments. Students explore model systems in animal biology through in-depth study of a few species of animal. Students also have the opportunity to design and complete their own research projects. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108, and any 200 level or higher biology course. *Offered in alternate years, spring semester.*
- 330 Topics in Cell Biology (W)** A detailed examination and discussion of selected topics in cell biology. Readings from the primary scientific literature are integral to the

nature of the course. Students will read from the primary literature and summarize the material in both written and oral presentations. Prerequisites: BIOL 101 and 102, (or BIOL 107 and 108), and one year of chemistry *Offered occasionally*.

**331 Biology of Stem Cells (W)** A seminar-style course that utilizes primary research articles to explore the biology of adult stem cells and embryonic stem cells. Additional topics include the generation of induced pluripotent stem cells as alternatives to embryonic stem cells and the genetic alteration of stem cells for use in biotechnology and regenerative medicine. Three hours of lecture/seminar per week. Prerequisites: BIOL 101 and 102 (or BIOL 107 and 108) and either BIOL 212, BIOL 312, or 2 years of chemistry. Sophomores interested in the course should seek consent of instructor. *Offered occasionally*.

**332 Biology of Cancer** An analysis of the molecular and cellular aberrations that initiate unregulated tissue growth, promote continued progression to a pre-cancerous condition, and result in the transformation to a malignant state. Various approaches involved in the treatment of cancer will also be addressed. Case studies will be used to supplement lecture material. Four hours of lecture/discussion per week. Prerequisites: BIOL 101 and 102 (or BIOL 107 and 108) and either BIOL 212, BIOL 312, or 2 years of chemistry. Sophomores interested in the course should seek consent of instructor. *Offered occasionally*.

**340 Cell Biology (W)** An examination of eukaryotic cell structure, function, and biosynthesis of cellular membranes and organelles, transport, receptors, and cell signaling; the cytoskeleton, and cell movements. Four hours of lecture and four hours of laboratory per week. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108, or consent of instructor. *Offered each fall*.

**345 Behavioral Ecology** An exploration of animal behavior from an evolutionary perspective. After examining the theory of natural selection, this concept will be applied to topics including territoriality, foraging ecology, antipredator behavior, sexual selection, and altruism. An examination of experimental studies testing hypotheses about these behaviors will be used to explore these topics. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108. *Offered annually*.

**350 Tropical Ecology (LSI, G) (Cross-listed with ENST 350)** Introduction to the ecosystems, animals, and plants of Costa Rica, including issues associated with the preservation of biodiversity. Prerequisite: BIOL 102 or 108, or BIOL/ENST 120, and consent of instructor. *Offered in alternate May Terms*.

**390 SEED: Showcasing Evidence of Experience and Development (.25)** In collaboration with their faculty advisor, students will develop and maintain an ePortfolio that will document their academic and professional development. Students will have opportunities to reflect on both their academic and professional goals, and their progress toward these goals. Required every fall for all biology majors. May be repeated for a total of 1.0 course unit. Prerequisite: must be a biology major. *Offered each fall term*.

**395 Introduction to Research (.5)** An on-campus introduction to research with a supervising faculty member. Students will be introduced to the research tools and techniques of an area of biological research. Prerequisite: Consent of instructor. (Credit/Non-credit; must have a major or minor in Biology). May not be repeated. Credit/Non-credit courses do not count towards the Biology major. *Offered each semester*.

**398 Medical Externship** In cooperation with physicians of different specialties, these experiences involve full-time observation/participation in the physician's daily routines, including office/clinic hours, hospital rounds, surgery, staff meetings, etc. A daily written log is required. Credit will not count toward the major or minor in biology. Prerequisites: Junior standing and consent of instructor. This course is limited to students seriously considering a medical career and who meet the requirements necessary to apply for admission to medical school. (Credit/Non-credit) *Offered each May term*.

**399 Off-Campus Research (.5) (1)** Research will be conducted off-campus in collaboration with a research program approved by the Biology Department chair and a supervising faculty member. The research will be summarized on campus in a scientific paper, and in a poster or oral presentation. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108 (Credit/Non-credit; must have a major or minor in Biology). May be repeated but only one course unit may be applied to the major. *Offered each semester.*

**407 Neurophysiology** Neural control systems: receptor design; logic of neuronal networks; neural integration and decision making. Three hours of seminar per week. Prerequisite: BIOL 307. *Offered in alternate years, spring semester.*

**410 Molecular Foundations of Developmental Biology (W)** Examination of cellular and molecular mechanisms utilized during the developmental process. Discussions include the intercellular communications, regulations of gene expression, and intracellular phenomena that result in the patterning of the embryo and the differentiation of the cell. Evolutionary and medical topics of relevance will also be addressed. Prerequisites: BIOL 102 or 108 and at least one of the following courses is recommended: 311, 312, 340. *Offered fall semester.*

**411 Experimental Embryology** An experimental study of vertebrate development. Laboratory studies will emphasize specialized histological, cellular, and molecular techniques. Prerequisite: BIOL 311 and consent of instructor. *Offered as needed.*

**412 Molecular Genetics (1.25) (W)** The molecular basis of heredity will be discussed – including DNA replication, maintenance of the genome, our present understanding of eukaryotic gene structure, and gene expression. Much of the course is based on papers from the scientific literature. Weekly labs will provide a thorough introduction to the tools and methods currently used in the field of molecular genetics. Three one-hour lectures, one hour discussion and one four-hour lab per week. Prerequisites: BIOL 102 or 108. *Offered in alternate years, spring semester.*

**413 Better Living through Microbes (W)** An exploration of applied microbiology emphasizing how humans use microorganisms to perform beneficial tasks. Topics include food production, bioremediation, and the development of drugs or vaccines, highlighting aspects of microbial genetics, metabolism, and physiology. Prerequisites: BIOL 314 or permission of the instructor. *Offered in alternate years.*

**495 Directed Study (.5) (1)** Individualized directed readings on a topic of interest to the student which is not normally a part of the curriculum. The work may include a laboratory component. It may also include the requirement for the preparation of a significant paper which brings together the results of the study. May be repeated for a maximum of one course unit. Prerequisite: Consent of instructor. *Offered each semester.*

**499 Research/Thesis (.5) (1)** Experimental or theoretical examination of an unsolved problem on a topic of interest to the student and cooperating faculty member. A significant paper detailing the findings of the investigation is expected at the conclusion of the work. (1/2 or 1 unit) May be repeated but only one course unit may be applied to the major. Prerequisite: Consent of instructor. *Offered each semester.*

## **BUSINESS ADMINISTRATION**

*Wallace, Gerstner, Kearney, Leach, Marvin, Walsh*

The Department of Business Administration offers majors in Business, Marketing, Professional Sales, and Entrepreneurship. The mission of the department is to prepare students for life-long learning. Faculty attempt to do more than simply meet incoming students' expectations of their academic experience; we hope to shape those expectations as well. In particular, faculty in the department are committed to the following activities: awakening students

to the excitement of learning; exposing students to technological, analytical, research, and communication skills necessary to function successfully in managerial, organizational, or entrepreneurship careers; preparing students for advanced graduate programs, particularly in law, business, government, international relations, or related fields; helping students to function independently in a professional environment immediately upon graduation; sensitizing students to a world in which respect for cultural and intellectual diversity is essential; and encouraging students to consider at all times how their actions and the action of those organizations of which they are leading or a part affect society.

Through course work and co-curricular activities sponsored by the department, faculty encourage students to gain an awareness of their own potential, assuming responsibility for their own actions, and making ethical long-term choices. The curriculum in the department offers students a broad range of instructional methods and engages students in a wide variety of assignments, including those which stress reading, writing, quantitative analysis, experiential activities, and group work. Students are encouraged to participate in internships, including those for academic credit. Internships add a new dimension to remaining courses and can help students prepare for leading or entering into for-profit or non-profit organizations after graduation. Students are also encouraged to pursue individual research projects in collaboration with faculty and to take advantage of the many leadership opportunities associated with the department's student clubs and organizations.

Lower-level (100-200) courses in the department are open to all students. Upper-level (300-400) courses in the department are open to students not majoring or minoring in business, marketing, professional sales, entrepreneurship, accounting, finance, or economics with consent of the department head; a small percentage of seats in each class is reserved to accommodate such students, but such students should follow the department's closed course process by contacting the department head. However, students not majoring or minoring in business, marketing, professional sales, entrepreneurship, accounting, finance, or economics may take only one upper-level course in the department unless required to do so by a major outside the Department of Business Administration, or unless they receive permission from the department head.

Marketing is the discipline that connects an organization to its customers or clients. It requires decisions relating to pricing, product development, communication and distribution of goods, services, or ideas. The marketing discipline is becoming increasingly dynamic with technological advancements such as social media, data analytics, search engine optimization (SEO), and supply chain management. Marketing majors are open to many career paths, including research, communication, sales, logistics, product management, and online interactions with customers or clients. Marketing majors at Illinois Wesleyan University will graduate career ready.

Professional salespeople play a critical role in the marketing of goods and services. They represent firms that produce those goods and services and connect them with other firms that need them. The major equips students with the knowledge and skills necessary for career success, including presentation, oral and written communication, collaboration, and critical thinking.

Entrepreneurship is the study of creating, planning and implementing new businesses and not-for-profit organizations. The entrepreneurship major is designed to provide students with the knowledge and skills necessary to ideate and deliver new products and services. Courses will develop students' entrepreneurial mindset through work in the fields of marketing, finance, accounting, computer science, law and management. Entrepreneurship majors tend to pursue business related career paths with a focus on intrapreneurship or entrepreneurially thinking.

The increasingly quantitative character of modern business practice urges that students elect additional mathematics beyond that required for the major, and students considering graduate work in business should take at least one semester of undergraduate calculus. For many students, one or more computer science courses may be appropriate. We recommend that students consider obtaining a certificate in analytics, a three course sequence which includes CS 125, CS 225 and a statistic class.

Students seeking to matriculate into a major in business, marketing, professional sales, or entrepreneurship, should ideally complete the following six courses by the end of their sophomore year: (1) Gateway Colloquium; (2) Mathematics 110, 140, 176, or university credit for AP Calculus; (3) Economics 100 (Introduction to Economics); (4) Economics 227 (Statistics for Business and Economics); (5) Accounting 112 (Accounting for Decision Making I); and (6) Accounting 212 (Accounting for Decision Making II) for business or marketing. Entrepreneurship majors should focus on taking BUS 240 (introduction to Entrepreneurship) as the sixth class mentioned above.

Business, Marketing Professional Sales and Entrepreneurship majors may count no more than 2 non-required ACC or FIS courses toward the 18 courses outside their major department.

Upper level (300-400) courses taken at another college or university at the freshman/sophomore level may not be used to satisfy major or minor requirements, absent department head approval.

Business Majors minoring in Hispanic Studies reference page 324.

#### ***Major Sequence in Business:***

A minimum of 12 courses to include:

- 1) Accounting 112, 212, Business Administration 331, 341, 355, 490, Economics 227, and Finance 303
- 2) Four additional courses from any 200-300-400 level BUS, ACC or FIS offering Other courses outside the department that business majors are required to complete:
  - 1) Mathematics 110, 140, 176, or university credit for AP Calculus
  - 2) Economics 100.

#### ***Major Sequence in Entrepreneurship:***

A minimum of 12 courses to include:

- 1) Accounting 113 or 112
- 2) Business Administration 240, 330, 331, 340, 341, 350, 440, and 490
- 3) Economics 227
- 4) Finance 303
- 5) Computer Science 126

***Major Sequence in Marketing:***

A minimum of 12 courses to include:

- 1) Accounting 112, 212, Business Administration 331, 335, 341, 355, 490, Economics 227, and Finance 303
- 2) Two of the following courses: Business Administration 332, 333, 339 and 356
- 3) One of the following courses: Business Administration 332, 333, 339, 356, Anthropology 171, Art 141, Journalism 211, Psychology 211, 212, 259, Sociology 225

Other courses outside the department that marketing majors are required to complete:

- 1) Mathematics 110, 140, 176, or university credit for AP Calculus
- 2) Economics 100

Other courses outside the department that entrepreneurship majors are required to complete:

- 1) Mathematics 110, 140, 176, or university credit for AP Calculus
- 2) Economics 100

***Major Sequence in Professional Sales:***

A minimum of 12 courses to include:

- 1) Accounting 112, 212, Business Administration 331, 341, 355, 490, Economics 227, and Finance 303
- 2) Four additional courses in Professional Sales, Business Administration 230, 338, 358, 359

***Minor Sequence in Business Administration:***

Six courses to include:

- 1) Accounting 112, 212
- 2) Business Administration 331, 341
- 3) Finance 303
- 4) Economics 227

***Minor Sequence in Entrepreneurship:***

Today's environment demands that graduates are prepared to be collaborative, innovative and self-starting solvers of business problems. Students in the minor will have the opportunity to develop and then apply their skills and creativity in response to a real business problem. Students minoring in Entrepreneurship must complete BUS 240 before registering for the required courses or BUS 331 (except for ACC 113, which may be taken concurrently with BUS 240).

The minor requires six courses, as follows:

- 1) Accounting 112 or Accounting 113
- 2) Business Administration 240, 340, 350 and 440
- 3) One elective course selected from Business Administration 331, Business Administration 341, Political Science/Sociology 398, Political Science/Sociology 395, Sociology 225 or Music 315.

***Minor Sequence in Human Services Management:***

Five courses to include:

- 1) Economics 100
- 2) Accounting 112



3) Finance 200

4) Two courses chosen from Business Administration 332, 341, and 344.

*Note: Successful completion of all foundation course requirements or consent of department chair is a prerequisite to all 300-400 level courses, except Business Law I (BUS 355), unless the student is minoring in a business field or is required to take one of these courses in a major outside the department.*

**220 Foundations of Information Systems** Application of information systems (IS) for competitive advantage. Students learn to apply management concepts to understand threats posed by and opportunities offered through the effective use of IS. Students will develop advanced competency in understanding various technologies and their effective uses. Discussions focus on companies such as Google, Netflix, and Facebook. *Offered occasionally.*

**230 Relationship Driven Professional Sales (.75 units; LCMC course)** This online course introduces students to the best practices of professional sales. Through experiential activities such as role playing, product/service demonstrations and formal presentations, students will learn effective selling approaches such as relationship building, communication, and analysis of customer needs. *Offered each fall.*

**230 D1 Directed Study Lab (.25 units, taught by IWU faculty)** This class is linked to BUS 230 Relationship Driven Professional Sales, and consists of directed study and discussion to develop a deeper understanding of the concepts and skills taught in the class. *Offered each fall.*

**240 Introduction to Entrepreneurship** This course introduces the knowledge and builds the skills needed to create new not-for-profit and business organizations. Students learn how to observe underserved markets or communities, generate solutions, assess them and develop a sustainable organizational model. Specific topics include ideation, securing first clients or customers, and generating initial funding. *Offered each fall.*

**270 Special Topics** Courses treating specialized topics in accounting, business, or international business. Two or more may be taken concurrently or repeated for credit if the topic matter is different. *Offered occasionally.*

**280 Business and Society** A study of the business organization as part of a complex socioeconomic system. Emphasis on major problem areas associated with relations between the firm and multiple publics, e.g., consumers, employees, government, owners. Focus on strategically managing competing interests within constraints of social responsiveness. Open to junior and senior business and non business majors. *Offered occasionally.*

**329 Seminar in Information Systems** In-depth study of selected topics in information systems. Topics vary according to student and faculty interest. May be repeated for credit if the topic matter is different. Prerequisites: ACC 218 or BUS 220 or consent of department head. *Offered occasionally.*

**330 Funding Startups and Nonprofits** This course examines how to obtain funding for businesses. Course content includes the study of funding options in for-profit and nonprofit businesses. Topics include venture capital, angel investors, debt financing, grant writing, and fundraising efforts. This course will be taught through a combination of lecture, discussions, group projects, and experimental opportunities. Prerequisites: BUS 240 and ACC 112 or 113. *Offered each spring.*

**331 Marketing: Principles and Management** Functions and activities of the consumer, retailer, and wholesaler. Consideration of development of marketing programs including product planning, marketing communications, and pricing policies. *Offered each semester.*

**332 Marketing in Services Industries and Not-for-Profit Organizations** Marketing problems and strategies in service organizations, including retailers, hospitals, not-for-profit agencies, banking and arts organizations. Prerequisites: BUS 331 or Arts Management/ Human Services Management minor or consent of department head. *Offered annually.*

- 333 Marketing Channels (W)** Course centers on the product and service distribution process and on intermediaries between manufacturer and customer. Theoretical concepts of marketing channels, as well as their evolution, structure, and management in both a local and national context are covered. Topics include various forms of retailing and wholesaling, such as department stores, restaurants, groceries, and franchises. Global dimensions are stressed since distribution is a major strength of the U.S. marketplace, where the U.S. still serves as a model for the rest of the world. Prerequisite: BUS 331. *Offered annually.*
- 334 Marketing and Social Responsibility** Covers the current and historical ethical, regulatory and legal issues of marketing. Topic areas also include corporate responsibility and consumer responsibility. Prerequisite: BUS 331. *Offered occasionally.*
- 335 Consumer Behavior** Application of social psychology to consumption situations. Situations include buying, selling, use and disposal of goods and services. Topics include attitudes, perception, decision making and internal and external influences on consumer behavior. Prerequisite: BUS 331, Business Administration and Marketing majors only; or consent of the department head.
- 338 Negotiation in Business and Sales** This course develops skills necessary for effective sales interactions. These include pre-meeting planning, organizational and product positioning, effective listening, interpersonal communication, anticipating and responding to objections, and goal development. Prerequisite: Relationship Driven Professional Sales. *Offered annually.*
- 339 Seminar in Marketing** In-depth study of selected topics in marketing. Topics vary according to student and faculty interests. May be repeated for credit if the topic matter is different. Prerequisite: BUS 331 or consent of department head. *Offered annually.*
- 340 Starting a Business** A continuation of the knowledge and skill building begun in BUS 240 needed for the creation of new for-and not-for-profit organizations, with particular emphasis on analysis, budgets and forecasts, capital budgeting, and raising capital. Students participate in creating “mini-businesses” throughout the semester. Prerequisite: BUS 240. Cannot be used in the following majors: accounting, business, finance, or marketing. Cannot be used in the following minors: business administration, or human services management. *Offered each fall.*
- 341 Organization and Management** An introduction to organization theory and fundamental considerations of planning, organizing, and controlling organizations. Focus is on theories of motivation, perception, communication, decision making, group behavior, leadership, control tools, and change as they relate to the practicing manager in business, government, hospitals, and schools. *Offered each semester.*
- 342 Production/Operations Management** The addressing of the production problems of manufacturing and service industries competing in domestic and international markets. Topic areas include production technology, capacity planning, facility location/layout, production scheduling, inventory systems, and quality control. Quantitative methods and analytical techniques are emphasized through problem solving. Site visits will be scheduled during some class hours; students are responsible for their own local transportation. Open to juniors and seniors only. *Offered occasionally.*
- 344 Human Resources Management** The role of human resources management and its effects on individuals as managers or employees. Case studies are used extensively. Individual and group behavior are investigated. *Offered annually.*
- 349 Seminar in Management** In-depth study of selected topics in management. Topics vary according to student and faculty interests. May be repeated for credit if the topic matter is different. Prerequisite: BUS 341 or consent of department head. *Offered annually.*
- 350 Law for Entrepreneurs (W)** This course broadly surveys the law most crucial to entrepreneurs looking to establish a not-for-profit or for-profit business. Emphasis

will be focused on recognizing and managing risk. Specific topics include choice of organizational structure, torts, employment and contract law, the legal framework of finance, and intellectual property law. Prerequisites: BUS 240. *Offered each spring.*

**355 Business Law I (W)** Nature of law and courts; international law; crimes and torts; administrative law; wills, trusts and estates; insurance law; antitrust law; landlord/tenant relationships. Introduction to contracts, sales, commercial paper, secured transactions. Prerequisite: sophomore standing and either ACC 112 or consent of department head. *Offered each semester.*

**356 Business Law II** Detailed coverage of topics introduced in BUS 355 with additional focus on the law of organizations. Other topics covered are appropriate for those planning to sit for the CPA examination, such as professional responsibility, ethics, duties and liabilities. Prerequisite: BUS 355. *Offered annually.*

**358 Sales Leadership (.75 units; LCMC course)** This online course teaches students both the “hard” and “soft” skills required for effective management and training of sales professionals. Interacting with case studies, customer relations management software, and professional/academic publications will result in the students’ ability to use qualitative and quantitative data to make evidence-based sales management decisions. Prerequisite: BUS 230. *Offered annually.*

**358 DI Directed Study Lab (.25 units, taught by IWU faculty)** This class is linked to BUS 358, Sales Leadership, and consists of directed study and discussion to supplement a deeper understanding of the concepts and skills taught in the class. *Offered annually.*

**359 Advanced Relationship-Drive Professional Selling** Students develop, through experiential field projects, a deeper understanding of pre-approach research in order to develop strategic data driven presentations. They learn how to use critical thinking to creatively demonstrate their understanding of customer needs, and problem solve collaboratively to arrive at a proposition that satisfies both salesperson and customer. Prerequisite: BUS 230. *Offered annually.*

**360 Travel Seminar** A travel course designed to increase students’ awareness and familiarity with the business practices, culture, politics, and values of different countries around the world. Students meet with business executives, educators, government officials, and visit various business organizations and cultural sites. Prerequisite: Consent of instructor. *Offered occasionally.*

**DTE 360 Entrepreneurship Around the Globe (G)** This class explores entrepreneurship in other areas of the world. The course will compare the entrepreneurship in locations visited, while focusing on understanding the societies of these cultures. Students will visit local businesses, learn about intercultural communication and management, discuss economic climate, and visit cultural sites. Prerequisites: consent of instructor. *Offered occasionally during May Term.*

**370 Special Topics** Courses treating specialized topics in business, international business, or marketing at an advanced level. Two or more may be taken concurrently or repeated for credit if the topic matter is different. Prerequisite may depend on topic. *Offered occasionally.*

**395 Internship in Teaching** Intensive experience in assisting with the instruction of a specific course in business. Assignments include researching, organizing, preparing, and delivering a small number of lectures in that class. Prerequisites: major in business, marketing; completion of 22 or more course units; minimum of 3.25 GPA in major; consent of department head. *Offered each semester and May Term.*

**397 Internship in Industry** Not more than one course unit may be counted toward graduation requirements. May not be counted as general education credit or for the major or minor. Credit/No credit. Registration must be completed prior to the beginning of the internship. Prerequisites: consent of instructor, minimum of six business or economics

courses. *Offered each semester and May Term. May also be taken in the summer for an additional tuition charge. See department head for specific requirements.*

**DTE 397 Internship (.5 or 1)** Not more than one course unit may be counted toward graduation requirements. May not be counted as general education credit or for the major or minor. Credit/No Credit. Registration must be completed prior to the beginning of the internship. Can be taken for 0.5 or 1 credit. Prerequisites: Sophomore or above standing, consent of instructor. *Offered each semester and May Term.*

**440 Project in Entrepreneurship** This course guides students through the process and experience of creating a new, real not-for-profit or for-profit organization. Students will apply the knowledge and skills first developed in Introduction to Entrepreneurship (BUS 240), from idea generation through organizational planning of a scalable and sustainable entity. Students will have substantial interaction with successful entrepreneurs. Prerequisites: BUS 240, 350, ACC 113, and BUS 340. *Offered each spring.*

**451 International Business (G)** Organizational alternatives, trade policies and trading areas, influence of economic nationalism, international monetary systems and finance, international competitiveness, and problems of less-developed countries. Open to juniors and seniors only. *Offered annually.*

**455 Independent Study** Individual study directed toward a specific topic. Prerequisite: Consent of department chair. *Offered each semester and May Term.*

**DTE 455 Independent Study** Individual study directed toward a specific topic. Prerequisites: consent of department chair. *Offered each semester and May Term.*

**490 Strategy and Policy** A capstone course which applies major functional areas and tools to critical current and future issues. Focuses on strategic management and its role in positioning organizations, profit or not-for-profit, to address internal capabilities and external opportunities. Prerequisites: Business, accounting, finance, or marketing major; senior standing; BUS 303, 331, and BUS 341, or consent of department head. *Offered each semester.*

**DTE 490 Design, Technology, and Entrepreneurship Capstone** This course requires each student to conceive, design, and implement a product or service. The result will be something that either fulfills an unmet need, or improves upon an existing product or service. Prerequisites: PHYS 339 or SOC/PSCI 398; or consent of instructor. *Offered each spring.*

## CHEMISTRY AND BIOCHEMISTRY

*Mohan, Dmytrejchuk, Rettich, Waduge*

The department meets the needs of students majoring in chemistry, biochemistry, and allied sciences through rigorous training in the principles and applications of modern chemistry. The department also aims to meet the needs of general education students who wish to learn and appreciate the atomic-molecular conception of matter as a background for understanding the scientific issues of importance to all in the modern world.

The department is approved by the American Chemical Society as offering a program of study that will lead to individual certification, upon graduation, by that society. Such a course of study will equip the chemistry or biochemistry major to (1) excel in chemistry and biochemistry graduate programs or medical or dental schools; or (2) enter governmental or industrial laboratories as a scientist. A major in chemistry or biochemistry can also lead to a wide variety of other occupations ranging from forensic laboratory science to chemical patent law to business management or to pharmacy.

The department, through grant funds, gifts, and its own funds, routinely acquires

new instrumentation and expands its library holdings to ensure a modern program in chemistry. All instrumentation and library materials are available for direct use by the undergraduate student. Some state-of-the-art instruments include a 400 MHz FT-NMR, a fluorescence spectrometer, an ATR infrared spectrophotometer and an atomic absorption spectrometer. Students are encouraged to put their classroom learning into practice by participating in research programs directed by members of the faculty. Other opportunities for learning outside the classroom are provided through internships, externships, summer research, and study abroad. The department hosts guest research seminars featuring prominent scientists from academic, government, and industrial laboratories.

Additional information about the Department of Chemistry and Biochemistry can be found on our website: [www.iwu.edu/chemistry](http://www.iwu.edu/chemistry).

### ***Major Sequence in Chemistry:***

The regular chemistry major consists of the following courses:

- 1) Chemistry 202\*, 311, 312
- 2) Chemistry 301, 302, 321, 322, 332, and 380
- 3) Two course unit selected from Chemistry 304, 323, 324, 413, 414, 415, 432, or 470
- 4) Two enrollments in Chemistry 300 and two enrollments in Chemistry 300X

Those students desiring certification by the American Chemical Society must take the following courses:

- 1) Chemistry 202\*, 311, 312
- 2) Chemistry 301, 302, 321, 322, 332, 380 and 317 or 414
- 3) One unit of Chemistry 499
- 4) Two course units selected from the following: Chemistry 304, 323, 324, 413, 415, 432 or 470
- 5) Two enrollments in Chemistry 300 and two enrollments in Chemistry 300X

\*The prerequisite for CHEM 202 can be met through completion of CHEM 201 or its equivalent or with a score of 4 or 5 on the Chemistry AP test.

Proficiency in courses outside the department that are required as prerequisites for upper level Chemistry courses are:

- 1) Mathematics 176 and 177 or proficiency. Students who have scored a 4 or 5 on the AP Calculus BC exam, or who have studied calculus at another university, should consult with the Chemistry Department Chair to determine whether they have the needed calculus proficiency.
- 2) Physics 101 and 102 or Physics 105 and 106 or proficiency. Students should consult with the Chemistry Department Chair to determine whether they meet the proficiency.

Courses outside the department that majors are recommended to take include: Biology 101 and 102 or Biology 107 and 108.

(Students who plan to study biochemistry, plan to pursue a health profession, or are interested in biomedical research will need to take one of these introductory biology sequences.)

***Minor Sequence in Chemistry:***

The Chemistry Minor consists of the following courses:

- 1) Chemistry 202\*, and 311
- 2) One of the following pairs of courses: 301 and 304; 312 and 413; 312 and 317; 321 and 322; or 332 and 432
- 3) And one additional course selected from: 301, 304, 317, 321, 322, 323, 324, 332, 413, 414, 432, or 470. This could also include upper level special topics, May travel courses, etc.

\*The prerequisite for CHEM 202 can be met through completion of CHEM 201 or its equivalent or with a score of 4 or 5 on the Chemistry AP test. In this case, students would need to take an additional 300-level course to complete a minor in Chemistry.

***Major Sequence in Biochemistry:***

The Biochemistry major is offered through the Chemistry and Biochemistry Department and allows students the opportunity to study the physical and chemical mechanisms underlying biological systems. The major requires students to complete a common set of courses in the Chemistry and Biology departments while allowing enough flexibility for focus on specific areas of interest.

Satisfactory completion of the major will provide students with the necessary background to (1) pursue graduate studies in biochemistry, (2) enter a wide variety of professional programs (e.g. medicine, dentistry, physical therapy, optometry, forensic science, law), or (3) enter governmental or industrial laboratories as biochemists.

The Biochemistry major consists of the following courses:

- 1) Chemistry 202\*, 301, 302, 311, 312, 321, 380, 414 (with laboratory), and 415
- 2) One from the following: Chemistry 304, 322, 332, 413, 432, or 470 (1 unit)
- 3) Biology 101, 102, and 312
- 4) One from the following: Biology 307, 311, 313, 315, 330, 410, 411, or 412
- 5) Two enrollments in Chemistry 300 and two enrollments in Chemistry 300X

Proficiency in courses outside the department that counts as prerequisites for upper level Chemistry courses are:

- 1) Mathematics 176 or proficiency. Students who have scored a 4 or a 5 on the AP Calculus, BC exam, or who have studied calculus at another university, should consult with the Chemistry Department Chair to determine whether they have the required calculus proficiency.
- 2) Physics 101 or Physics 105 or proficiency. Students should consult with the Chemistry Department Chair to determine whether they meet the proficiency.

\*The prerequisite for CHEM 202 can be met through completion of CHEM 201 or its equivalent or a score of 4 or 5 on the Chemistry AP test.

***Minor Sequence in Biochemistry:***

There are two ways in which one can complete the Biochemistry minor. Since courses cannot be double counted for a major and a minor, the two tracks are designed so that either Biology or Chemistry majors could obtain a Biochemistry minor.

Track 1: (Excludes chemistry majors)

- 1) Chemistry 311 and 312
- 2) Chemistry 414 with lab and Chemistry 415
- 3) One of the following courses: Biology 314, 330, or 412

Track 2: (Excludes biology majors)

- 1) Biology 101 and 102 or Biology 107 and 108
- 2) Chemistry 414 with lab and Chemistry 415
- 3) One of the following: Biology 314, 330, or 412

Special Notes: Students will not receive credit toward a Chemistry major, Chemistry minor, Biochemical major or Biochemistry minor for the following courses: 110, 130, 135, and 140.

**110 Basic Chemistry (1.25) (PSL)** Basic aspects of structural chemistry with emphasis on physiological applications. *Offered each fall.*

**120 Forensic Chemistry (1.25) (PSL)** Study of the scientific aspects of evidence from the gathering of the evidence through the laboratory stage. The course emphasizes the scientific method and the reliability of evidence. The roles of forensic experts in both the laboratory and the criminal courts are discussed. *Offered occasionally.*

**130 Chemistry of the Environment (1.25) (PSL)** See Environmental Studies 130. A survey of chemistry principles with an emphasis on the application of these principles to environmental topics such as air and water pollution, global warming, and energy. Laboratory experiments may involve analysis of water from local streams and lakes and the analysis of vegetables for pesticide residue. Can be used toward the Environmental Studies minor. *Offered occasionally.*

**135 Water Quality (1.0) (PSI) (Cross-listed with ENST 135)** Considered by some a fundamental human right, safe and plentiful drinking water is often constrained by physical forces and degraded by human activity. We will explore the issues that affect water quantity and quality, using a combination of field and laboratory-based experimentation, as well as competitive simulation (teaching through games). *Offered occasionally.*

**138 Better Living Through Green Chemistry (1.0) (PSI) (Cross-listed with ENST 138)** This course will introduce students to the principles of green chemistry with a special emphasis on environmental problems caused by toxic chemicals. The course will begin with an introduction to basic chemistry concepts related to the structure of atoms and molecules, and then get into a discussion of several case studies related to environmental problems, and how green chemistry can offer potential solutions. *Offered occasionally.*

**140 Chemistry in the Kitchen (1.0) (PSI)** An introduction to the basic chemical concepts through an examination of food. The course examines the constitution of raw food-stuffs, and what happens on a molecular level as these substances are combined, cooked and metabolized. *Offered occasionally.*

**201, 202 General Chemistry (1.25) (201 - PSL)** Fundamental principles and concepts of chemistry. Prerequisites: C- or better in 201, or equivalent, or AP CHEM score of 4 or 5 for CHEM 202. *CHEM 201 is offered in the Fall and CHEM 202 in the Spring.*

**234 Environmental Chemistry and Toxicology (1.25) (PSL) Cross-listed with ENST 234)** Starting from basic chemistry concepts, this class explores the many ways in which the natural world tries to poison us. We will study how contaminants move in the environment, how they enter the food web, and, ultimately, the harm they cause to individuals, populations, and communities. *Offered occasionally.*

**240 From Beverages to Biofuels (1.0)** This interdisciplinary course will introduce students to the science and history of fermentation, distillation, biofuels, and the alcoholic

beverage industry. Through a combination of on-campus and travel activities students will study the biochemistry of fermentation, the chemistry of distillation, quality control and flavor in the ethanol industry, the utility and challenges of ethanol as a motor fuel, the social history of brewing and distillation in the US, the role of women in these industries, and the rise and fall of prohibition. Students must be 21 years old by the start of the course and have completed CHEM 201/202 and one of the following sequences: BIOL 101/102, BIOL 107/108 or CHEM 311/312, all with grades of C- or better. The class will visit venues where alcoholic beverages are produced/served. Tasting activities are optional. This course cannot be used to fulfill a major or minor requirement. *Offered occasionally May Term.*

**300 Chemistry Seminar (Fall 0.00) (Spring 0.25)** This course will introduce students to a variety of chemistry research topics and scientific pursuits through attendance at a required number of chemistry colloquia and other science and career related events. Required for declared sophomore, junior, and senior chemistry majors. Zero units in fall and 0.25 units in spring. May be repeated for a total of 1.0 course units. Credit/No Credit grading. Prerequisites: C- in CHEM 202 or consent of a chemistry faculty member. *Offered each semester.*

**301 Quantitative Analysis (1.0)** An introduction to making and interpreting chemical measurements that emphasizes: the statistical evaluation of data, the application of ionic equilibria and the understanding of analytical methods/tools. Prerequisite: CHEM 202. *Offered each spring.*

**302 Quantitative Analysis Laboratory (.25)** Using both wet chemical techniques and instruments routinely employed in industry and research, students will make chemical measurements, analyze them statistically, and interpret their significance. Prerequisite: CHEM 202 and CHEM 301. *Offered each spring.*

**304 Instrumental Analysis** Principles of the design and use of modern electronic instrumentation in the chemistry laboratory with emphasis on spectral, electroanalytical and chromatographic instrumentation. Prerequisite: CHEM 302. *Offered occasionally.*

**311, 312 Organic Chemistry (1.25) (311 - PSL)** Fundamentals of aliphatic and aromatic chemistry including mechanisms, syntheses, stereochemistry, and spectroscopy. Prerequisites: CHEM 202 (grade of C- or better); 311(grade of C- or better) for 312. *CHEM 311 is offered in the Fall and CHEM 312 in the Spring.*

**317 Survey of Biochemistry** An introduction to the fundamental principles of biochemistry and the application of chemical principles to biological problems. Topics include the structure and function of proteins, nucleic acids, carbohydrates, lipids, as well as the major catabolic and biosynthetic pathways. Prerequisites: BIOL 102 or 108, and CHEM 312 (grade of C- or better), or the consent of instructor and chair. *Offered each spring.*

**321 Physical Chemistry I: Thermodynamics (1.25)** Classical thermodynamics and its applications in chemistry. Prerequisites: CHEM 202, PHYS 101 or 105, MATH 176. *Offered each fall.*

**322 Physical Chemistry II: Kinetics** Kinetic molecular theory, mass transport, experimental and theoretical chemical kinetics. Prerequisites: CHEM 202, PHYS 102 or 106, MATH 177. *Offered each spring.*

**323 Quantum Mechanics (Cross-listed with PHYS 407)** Wave mechanics, the Schrodinger equation, operator formalism, the harmonic oscillator, the hydrogen atom, angular momentum, spin, scattering theory, chemical bonding, electromagnetic interaction. Prerequisite: PHYS 304. *Offered occasionally.*

**324 Statistical Physics (Cross-listed with PHYS 408)** Introduces central principles underlying thermodynamic properties found in large collections of atoms and molecules (i.e. systems with many degrees of freedom). A core pillar of the major, Statistical Physics is recommended for any student considering graduate school in



Physics, and for Chemistry Majors, reinforcing key elements of Physical Chemistry. Prerequisite: PHYS 207 or CHEM 332. *Offered occasionally.*

**332 Inorganic Chemistry** An introduction to the fundamentals of inorganic chemistry including atomic structure; metallic, ionic, and covalent substances; acids and bases; coordination compounds; and descriptive chemistry of the elements. Students will use electronic structure, modern bonding theories, and models (tangible, virtual, and theoretical) to systematically understand the physical and chemical properties of inorganic substances. Prerequisite: CHEM 202. *Offered each spring.*

**340 Introduction to Food Biochemistry: Hawaii (LSI, US)** This course focuses on the fundamental biology and chemistry of food preparation and metabolism as well as the agricultural production of food processing, and food manufacture. Students will meet with local farmers, molecular biologists, horticulturists, and USDA scientists to examine the science behind modern food production techniques in Hawaii. Prerequisites: BIOL 102 or 108 and CHEM 202. *Offered in alternate years, May.*

**380 Advanced Inorganic Synthesis and Analysis (1) (W)** Individualized projects which emphasize techniques of advanced inorganic synthesis and instrumental analysis. Prerequisites: CHEM 301 and 321. *Offered each spring.*

**397 Internship in Chemistry** Internships in scientific research centers or industrial laboratories. Prerequisites: sophomore status and consent of department chair. This course does not meet major requirements. Internship offered for 0.5 or 1.0 course units. *Offered occasionally.*

**413 Advanced Organic Chemistry** A detailed examination of selected classical and modern topics within organic chemistry. Topics may include pericyclic reactions, spectroscopic methods of structure determination, physical-organic chemistry, synthetic transformations and strategy, and bio-organic/medicinal chemistry. Prerequisite: C- or better in CHEM 312. *Offered alternate years.*

**414 Biochemistry I (1)(1.25)** The fundamentals of biochemistry, including an exploration of biomolecules and an introduction to experimental techniques. An emphasis is placed on understanding the structure and function of proteins, enzyme kinetics and regulation, nucleic acid chemistry, and bioenergetics. Offered for 1.0 unit without lab or for 1.25 units with optional four-hour laboratory. Prerequisite: CHEM 312 (grade of C- or better) or consent of instructor and chair. *Offered each fall.*

**415 Biochemistry II (W)** A continuation of Chemistry 414. Topics include the major catabolic and anabolic pathways, the integration and regulation of these pathways, cell signaling and biochemical genetics. The majority of the readings for this course will come from the current primary literature. Prerequisite: CHEM 414. *Offered each spring.*

**432 Advanced Inorganic Chemistry** A detailed examination of advanced topics in inorganic chemistry. Topics will include the quantum atom and electronic states; the application of molecular symmetry and group theory to spectroscopy and X-ray crystallography; the mechanisms of inorganic reactions; bioinorganic chemistry; and catalysis. Prerequisites: CHEM 332 or consent of instructor. *Offered occasionally.*

**470 Special Topics in Chemistry (.5) (1)** Designed to offer topics not normally covered by the chemistry curriculum. Topics offered for 1.0 units may be used as electives toward the chemistry major or minor and two 0.5 unit topics may together serve as an elective. May be repeated for credit if subject matter is different. Prerequisite: varies by topic. *Offered occasionally.*

**495 Directed Study (.5) (1)** Individualized directed readings on a topic of interest to the student which is not normally a part of the curriculum. The work may include a laboratory component. It may also include the requirement for the preparation of a significant paper which brings together the results of the study. Prerequisite: Consent of instructor. *Offered each semester.*

**499 Research/Thesis (.5) (1) (W)** Directed or independent study of a specialized topic which may include laboratory research. May be repeated for a maximum of two course units. Prerequisites: Junior standing, four previous course units in chemistry, or consent of instructor. *Offered each semester.*

## COMPUTER SCIENCE

*Liffiton, Law, Shallue, Sheese*

Computer science is the study of what computers can and cannot *do*. Central to that study is the concept of the algorithm, a set of directions for solving a problem or accomplishing a task. Computer science studies algorithms in terms of their implementation in hardware and software, their analysis, and their applications. The curriculum in computer science provides students with an understanding of the fundamental principles of computing and of the capabilities, limitations, and applications of algorithmic problem solving. It provides students with the central skills of the discipline: fluency in multiple approaches to programming and problem solving, the ability to use levels of abstraction to manage complexity, and preparation to adapt to technological changes in the field. It provides students with the ability to convey technical information in written and oral communication to all audiences, experts and non-experts alike.

### ***Major Sequence in Computer Science:***

A minimum of twelve courses to include:

- 1) CS 125, 126 or 127; students who are placed directly into CS 128 need to take an additional course that counts towards the major to replace this course.
- 2) CS 128, 229, 253, 256, 354, and 355
- 3) Three additional upper-level courses in computer science
- 4) MATH 135 and 136

### ***Minor Sequence in Computer Science:***

A minimum of six courses to include:

- 1) CS 125, 126 or 127; students who are placed directly into CS 128 need to take an additional course that counts towards the minor to replace this course.
- 2) CS 128
- 3) CS 229 or CS 253
- 4) Two additional courses, both at the 300-level or above in computer science
- 5) MATH 135 or 136

Only one of the courses CS 125, 126 and 127 will count towards the major or minor in computer science. Students in the major or minor with previous experience may opt to skip CS 125, 126, and 127, instead starting in CS 128. This requires approval of the department chair, and it requires taking an additional course that counts toward the computer science major or minor to take the place of the skipped course.

At most, one of CS 498 and CS 499 may count toward completion of the major degree requirements; neither may count for the minor degree requirements.

### **125 Introduction to Computer and Data Sciences (FR) (Cross-listed with DASC**

**125)** Computer Science studies how to solve problems using computers. Data science focuses on acquiring, cleaning, and exploring data, via visualization and statistical analysis, to aid decision making. This course introduces programming, the

fundamental skill of computer science, using data science examples and applications in the Python programming language. May not be taken for credit after successfully completing CS 126 or CS 127. No prerequisites. *Offered each term.*

**126 Introduction to Computer Science Using the Web (FR)** Introduction to object based programming using JavaScript to create dynamic web pages. Includes a brief introduction to HTML and CSS, with emphasis on the division of structure and presentation. Topics: internet architecture and history, selection, iteration, functions, operators, objects, methods, properties, arrays, strings, event handlers, and form processing. May not be taken for credit after successfully completing CS 125 or CS 127. No prerequisites. *Offered annually.*

**127 Computer Science I (FR)** Computer science studies how to solve problems using computers. This course introduces computer science as a field of study and programming as a core component thereof. Covers programming concepts and techniques; variables, data types, lists, loops, conditionals, functions, objects, classes, testing, debugging, and program design. Teaches the Python programming language. May not be taken for credit after successfully completing CS 125 or CS 126. No prerequisites. *Offered each term.*

**128 Computer Science II** Introduction to object-oriented programming, data structures, and algorithmic problem solving. All concepts will be practiced through programming in Python. Students will learn the conceptual foundation for a given data structure, use it to solve a real-life problem, then analyze the time complexity in comparison to other solutions. In this course, data structures are treated as “black boxes” for the purposes of implementation. Has a lab component. Prerequisite: CS 125/ DASC 125, CS 126, or CS 127. *Offered each term.*

**135 Applications of Sets, Logic, and Recursion (FR) (Cross-listed as MATH 135)** Introduction to functional programming and discrete mathematics. Sets, functions, and relations. Basic logic, including formal derivations in propositional and predicate logic. Recursion and mathematical induction. Programming material: Data types and structures, list-processing, functional and recursive programming. No prerequisite. *Offered each spring.*

**136 Computational Discrete Mathematics (Cross-listed as MATH 136)** Additional concepts in discrete mathematics. Recurrence relations, counting, and combinatorics. Discrete probability. Algorithmic graph theory. Programming with advanced data structures. No prerequisite. *Offered each fall.*

**222 Ethics, Values and Issues in Cybertechnology (AV, W) (Cross-listed with PHIL 222)** An overview of the ethical issues which shape modern technology, including such topics as free expression and content control, intellectual property, privacy and information access, crime and security, and concepts, methodology, and codes of cyberethics. Theory and actual cases will be analyzed in readings, discussion, and written work. Will not count toward the major or minor. No prerequisites. *Offered annually.*

**229 Data Structures** A more detailed look at the memory and system components of a computer, with a focus on their role in storing and accessing data. Students will learn the C++ programming language, use it to implement data structures at a low level of abstraction, and revisit problems from CS 128. Has a lab component. Prerequisite: CS 128. *Offered every fall.*

**253 Software Development (W)** Explores the application of computer science through the software development process. Focuses on software engineering and the production of complete programs, from planning and user interface design through coding, testing, development, and maintenance. Additionally, the course covers several aspects of technical writing, encompassing documentation, specifications, and communication with clients. Prerequisite: CS 128 with a C- or above. *Offered each fall.*

**256 Computer Organization and Architecture** Introduction to computer organization and system architecture. Topics: Boolean algebra, combinational and sequential logic design, fundamental structure of major computer hardware systems

(CPU/ALU, memory, cache, registers, I/O), instruction sets, computer arithmetic, pipelining, and memory hierarchy. A two-hour weekly hardware lab is required. Prerequisites: CS 229 as co-requisite (must have taken or be taking CS 229 to take CS 256) *Offered each spring.*

**314 Database Systems** Introduction to the relational and semi-structured data base models. Theoretical concepts include relational algebra and calculus, logical and physical database design, normalization, database security and integrity, data definition and data manipulation languages. Programming topics: database creation, modification, and querying using XQuery, MySQL and PHP. Prerequisite: CS 128 with a C- or above and MATH 135. *Offered in alternate years.*

**330 Computer Networking** Introduction to computer networking, from single, physical links to the structure of the global internet. Focuses on the internet and related technologies, its nuts and bolts, and the principles that govern how and why it works. Several advanced topics are covered, often drawn from the rapidly advancing forefront of network applications. Prerequisites: CS 229 with a C- or above and CS/MATH 136. *Offered in alternate years.*

**338 Artificial Intelligence** Artificial intelligence is, broadly, the study of computational solutions to difficult real-world problems – problems whose solutions might be considered to involve “intelligence”. Applications range from self-driving cars to intelligent personal agents to challenging routing/scheduling problems. Topics include Bayesian inference, constraint satisfaction, game playing, logic, machine learning, Markov decision processes, and heuristic search. Prerequisites: CS 128 with a C- or above, MATH/CS 135, and MATH/CS 136. *Offered in alternate years.*

**354 Algorithm Design and Analysis** Explores efficient programming through the study of algorithms and data structures. Algorithm complexity analysis. Common patterns and trade-offs; e.g., recursion, divide and conquer, greedy algorithms, parallelization, etc. Advanced data structures and abstract data models; e.g. linked structures, array-based structures, hash tables, trees, graphs, sets, etc. Prerequisites: CS 229 with a C- or above and CS/MATH 136. *Offered in alternate years.*

**355 Programming Languages** Comparative analysis of programming languages. Taxonomy and history of programming languages, parsing, garbage collection/resource management. Type systems, semantics, and advanced object oriented and functional programming. Prerequisite: CS 229 with a C- or above and CS/MATH 135. *Offered every year.*

**357 Models of Computing (W)** Theoretical foundations of computing. Automata, grammars, decidability, and complexity. Computability and logic: undecidability and incompleteness. Automata theoretic approaches to decision problems in logic. Prerequisite: CS 128 with a C- or above and CS/MATH 135. *Offered alternate years.*

**360 Topics in Logic (Cross-listed with PHIL 360)** Investigation of topics in formal logic. Covers soundness, completeness, and undecidability of classical predicate logic. Additional topics might include incompleteness, non-classical logics (e.g., modal, intuitionistic, many valued), computer implementations, and logic programming. Students will complete a final project relative to the rubric (Computer Science, Philosophy) chosen at registration. Prerequisite: CS 128 and CS/MATH 135. *Offered as needed.*

**370 Special Topics** In-depth examination of selected areas within computer science not currently offered in the curriculum. May be repeated for credit if course content is not duplicated. Prerequisite: CS 128 with a C- or above and either CS/MATH 135 or CS/MATH 136. *Offered as needed.*

**377 Applied Data Analysis (Cross-listed with DASC 377)** This course further develops the programming, mathematical, and statistical skills required for the application of data science tools to data analysis, data visualization, and decision making. The course includes a methodology/writing component in which students develop a draft research proposal for a

capstone project. Prerequisites: CS/DSAC 125, CS 126, or CS 127; CS/MATH 136 or DASC 225; BIOL 323, ECON 227, MATH 141, MATH 325, or PYSC 227. *Offered in alternate years.*

**387 Deep Learning** Deep Learning (machine learning using large neural networks) has proven to be effective at a number of difficult tasks, with active research ongoing. Students will study mathematical foundations, implementation of neural network optimization in Python, and a number of applications of deep learning including machine vision and natural language processing. Prerequisites: CS/DASC 377 or both CS 128 with a C- or above and CS/MATH 136. *Offered in alternate years.*

**440 Compiler Construction** Study of the techniques for translating high-level programming languages into executable machine code or byte code: lexical analysis, syntactic analysis, contextual analysis, and code generation. Comparison between compilation and interpretation as approaches to programming language implementation. Optional topics include: garbage collection, polymorphic type checking, optimization, implementation of virtual machines. Prerequisites: CS 256. *Offered as needed.*

**456 Operating Systems** Introduction to fundamental issues and techniques of operating system design. Topics: processes and threads, process scheduling, deadlock, memory management, I/O systems, file management. Optional topics: multimedia and distributed operating systems, security, and parallel operating systems. Prerequisites: CS 229 with a C- or above. *Offered in alternate years.*

**498 Directed Study** Individual directed study on a topic of interest to the student. Student must devise a plan of study in cooperation with instructor; may be used as preparation for CS 499. At most one of CS 498 or CS 499 can count toward the CS major, but not both. This course does not count toward the CS minor. Open only to CS majors with a GPA of 3.00 or higher in CS. Prerequisites: Two upper-level courses in CS. Requires permission of department chair and instructor. *Offered by arrangement.*

**499 Research/Thesis** Opportunity to pursue directed or independent study of a specialized topic. Work is expected to culminate in a committee-reviewed thesis. Students enrolled in this course must present their work at a student research conference or a professional meeting, or it must be accepted for publication in a committee approved journal. At most one of the CS 498 or CS 499 can count toward the CS major, but not both. This course does not count toward the CS minor. Open only to CS majors with a GPA of 3.00 or higher in CS. Please see University-wide regulations if seeking research honors. Prerequisites: Three upper-level courses in CS and either CS 498 or other prior research experience with a faculty advisor. Requires permission of the department chair and thesis advisor. *Offered by arrangement.*

## CRIMINOLOGY

*See Sociology*

## DANCE

*Kerr*

Students interested in declaring a minor in Dance should arrange an appointment with the head of the dance program and with the Director of the School of Theatre Arts at the earliest convenience.

### ***Minor Sequence in Dance:***

A minimum of seven course units to include:

- 1) THEA 102 (Theatre majors substitute THEA 180 or 188) and 376
- 2) A total of three course units from the following: MUTH 232, 233, 234, 235, 331, 332, 333, 334, 335, and 435

3) MUTH 336

4) One of the following: THEA 490, 491, 498, 499 or MUTH 494 or PEC 325

## **DATA SCIENCE AND ANALYTICS**

*Sheese, Liffiton*

Data is central to the natural and social sciences, to business, and to economics, and is increasingly used in the humanities. As information technology grows in power and ubiquity, the amount of data collected is growing commensurately. Data Science is a field that focuses on the specific problems of acquiring, curating, and exploring data, via visualization and statistical analysis, to aid decision making.

The core topics addressed by the major and minor are:

- Algorithmic/computational thinking
- Communication (written and verbal)
- Data curation/management
- Ethics (privacy, data access, control)
- Machine learning
- Process/reproducibility
- Programming
- Statistics/statistical inference
- Visualization

The core topics address by the certificate in data analytics are:

- Algorithmic/computational thinking
- Communication (written and verbal)
- Data curation/ management
- Ethics ( privacy, informed consent, data security)
- Statistics/ statistical inference
- Visualization

Special skills developed through this certificate include: data preparation skills using coding, including data cleaning, organization, and transformation

Statistical analysis including descriptive statistics, exploratory analyses, inferential statistics, and modeling up through simple linear regression data aggregation techniques including contingency tables (cross-tabs) analysis and visualization for data-informed decision making use of 'business intelligence' software (e.g. Tableau) use of database for retrieving data (database queries)

### ***Major Sequence in Data Science***

A minimum of twelve courses to include:

- 1) CS 125/DASC 125-Introduction to Computer and Data Sciences\*

The following are approved substitutions for students who have already taken them:

- CS 126-Introduction to Computer Science with the Web
- CS 127-Introduction to Computer Science
- 2) CS 128-Computer Science 2
- 3) CS 135/Math 135-Applications of Sets, Logic, and Recursion
- 4) ART 141-Graphic Design 1
- 5) MATH 215-Linear Algebra
- 6) CS 222/PHIL 222-Ethics, Values, and Issues in Cybertechnology

- 7) DASC 225-Data Analytics with Visualization
- 8) CS 314-Database Systems
- 9) CS 377/DASC 377-Applied Data Analysis
- 10) CS 387-Deep Learning
- 11) MATH 403-Computational Data Analysis
- 12) One statistics course from the list:
  - BIOL 323: Biostatistics and Experimental Design,
  - or ECON 227: Statistics for Business Economics,
  - or MATH 325: Mathematical Statistics,
  - or PSYC 227: Statistics

***Minor Sequence in Data Science:***

A minimum of five courses to include:

- 1) CS 125/DASC 125-Introduction to Computer and Data Sciences

The following are approved substitutions for students who have already taken them:

- CS 126-Introduction to Computer Science with the Web
  - CS 127-Introduction to Computer Science
- 2) DASC 225-Data Analytics with Visualization
  - 3) One statistics course from the list:
    - BIOL 323: Biostatistics and Experimental Design
    - ECON 227: Statistics for Business and Economics
    - MATH 141: Math Modeling: Statistics (note that Math majors may replace MATH 141 with MATH 325: Mathematical Statistics)
    - PSYC 227: Statistics
  - 4) CS 377/DASC 377-Applied Data Analysis
  - 5) DASC 395 Directed Study: Data Science Capstone

The following approved substitutions may count toward the minor if any of the five required courses are counted toward a student's major:

- CS 314: Database Systems
- ECON 328: Applied Econometrics
- ECON 338: Time Series Analysis
- MATH 215: Linear Algebra
- MATH 403: Computational Data Analysis

Students pursuing a minor in Data Science should consider the following:

Though there are three options for satisfying the introductory course requirement, students who have not already taken CS 126 or CS 127 should enroll in CS/DASC 125, as it is the most relevant to the minor.

Students pursuing a Data Science minor should seek to take courses in their major and/or area of interest that involve the collection, analysis, or other use of data. More exposure to the use of data within their field will provide more opportunities to identify connections to Data Science and to develop ideas for a capstone project.

***Certificate Sequence in Data Analytics:***

A minimum of three courses to include:

- 1) CS 125/DS 125-Introduction to Computer and Data Sciences
- 2) One statistic course from the list:
  - BIOL 323: Biostatistics and Experimental Design

ECON 227: Statistics for Business and Economics

PSYC 227: Statistics

Math 141: Math Modeling: Statistics\*

\* Note that Math majors may replace MATH 141 with MATH 325: Mathematical Statistics

3) DS 225: Data Analytics with Visualization

The following approved substitutions may count toward the certificate if any of the courses are counted toward a student's major:

CS 314: Database Systems

DS 377: Applied Data Analysis

ECON 328: Applied Econometrics

ECON 338: Time Series Analysis

MATH 215: Linear Algebra

MATH 403: Computational Data Analysis

### **125 Introduction to Computer and Data Sciences (FR) (Cross-listed with CS 125)**

Computer Science, broadly, studies how to solve problems using computers. Data science is a related field that focuses on acquiring, cleaning, and exploring data, via visualization and statistical analysis, to aid decision making. This course introduces the fundamental skill of computer science, programming, using data science examples and applications. Students may not take CS 126 or CS 127 for credit after successful completion of CS/DASC 125. No prerequisites. *Offered each fall.*

**225 Data Analytics with Visualization** This course introduces advanced concepts and tools relevant to data cleaning, organization, and transformation. It further develops skills and knowledge about identifying and applying appropriate statistical tools to answer data-driven questions and provides advanced treatment of ethical issues involved in data analytical work. Students are also exposed to specific software commonly used in data analytics, such as databases for storing and retrieving data and software for creating static and interactive reports from analysis results. Prerequisites: CS/DS 125; BIOL 209, ECON 227, MATH 141, MATH 325, or PSYC 227. *Offered every other year.*

**377 Applied Data Analysis (Cross-listed with CS 377)** This course further develops the programming, mathematical, and statistical skills required for the application of data science tools to data analysis, data visualization, and decision making. This course includes a methodology/writing component in which students develop a draft research proposal for a capstone project. Prerequisites: CS/DASC 125, CS 126, or CS 127; CS/MATH 136 or DASC 225; BIOL 323, ECON 227, MATH 141, MATH 325, or PSYC 227. *Offered in alternate years.*

**395 Directed Study: Data Science Capstone** Individual directed study to complete a capstone project. Requires an approved proposal for a substantial project that applies data science techniques to gather, clean, analyze, visualize, and make inferences with data. Project culminates in written and oral reports. Prerequisites: CS/DASC 377 and approval of the program director. *Offered as needed.*

## **ECONOMICS**

Marvin, Nguyen, Rushlow, Zhahadai

The overarching goal of the economics program is to develop analytical thinking skills that are of value to any student preparing for a career and responsible citizenship, regardless of major. The economics major provides students with training for diverse careers, in business, finance, government, and



social services. Majors also pursue graduate study in economics, business, law, and other specialized fields.

The Department of Economics offers an intellectually challenging major program which addresses socially relevant issues and gives students many opportunities to apply what they learn. Topics covered in elective courses range from international trade and finance to the environment. All economics majors complete an original research project in the capstone Senior Project course and many choose to participate in independent study under the supervision of a professor. Many economics students also complete internships. In addition, students have the opportunity to participate in activities of the student-led Economics Society, the publication of a unique undergraduate economics journal, *The Park Place Economist*, and the publication of an online journal, *The Undergraduate Economic Review*.

For additional information, see the department web page at: [www.iwu.edu/economics](http://www.iwu.edu/economics).

#### ***Major Sequence in Economics:***

A minimum of 10 courses to include:

- 1) Economics 100, 227, 301, 302, and 401.
- 2) Five additional Economics courses, at least four at the 300 level or above.

Majors are also required to take the calculus course Mathematics 176, or show equivalent proficiency.

The department also offers students the option to complete one of two concentrations in the economics major: financial economics or international economics. Each concentration requires the completion of five core courses: Economics 100, 227, 301, 302, and 401, and five electives in the discipline as follows:

#### ***Financial Economics Concentration:***

- 1) Three courses from Economics 311, 328 338, or 352.
- 2) Two additional economics courses, at least one at the 300 level or above.

#### ***International Economics Concentration:***

- 1) Economics 351, 352, and 355.
- 2) Two additional economics courses, at least one at the 300 level or above.

#### ***Minor Sequence in Economics:***

A minimum of six courses to include:

- 1) Economics 100, 301, 302.
- 2) Three additional economics courses, at least two at the 300 level or above.

Economics 227 does not count towards the minor.

The department also offers students the opportunity to complete one of two other economics minors: financial economics or international economics. Each minor requires the completion of three core courses: Economics 100, 301, and 302, and three electives in the discipline as follows:

#### ***Minor Sequence in Financial Economics:***

Three courses from Economics 311, 328 338, or 352.

### **Minor Sequence in International Economics:**

Economics 351, 352, and 355.

All courses in the major and minor sequences should be taken at Illinois Wesleyan University. Any exceptions are subject to the approval of the Department of Economics.

### **Credit by Examination**

Credit towards Economics 100, Introduction to Economics, is granted for either:

- a) Advanced Placement (AP) examinations with scores of 4 or 5 on both the Microeconomics and Macroeconomics tests

*or*

- b) An International Baccalaureate (IB) Economics Higher Level (HL) examination with a score of 6 or 7

*or*

- c) A Cambridge A-Level Economics examination with a score of A\*, A, or B.

Students in the major can show the required calculus proficiency through either:

- a) Advanced Placement (AP) examinations with scores of 4 or 5 on either the Calculus AB test or Calculus BC test

*or*

- b) International Baccalaureate (IB) examinations with scores of 6 or 7 on the Mathematics Higher Level (HL) test.

**100 Introduction to Economics (CSI)** Survey of microeconomic and macroeconomic principles. Includes analysis of individual and public sector behavior in product and resource markets and surveys applied areas. Also explores the performance of the entire economy with an emphasis on economic growth, employment and inflation. *Offered each semester.*

**227 Statistics for Business and Economics** An introduction to the use of statistics. Topics include summary statistics, introductory probability, estimation, hypothesis testing, regression, and time series analysis. Students may not receive credit toward graduation for both this course (required for the major) or Psychology 227. *Offered each semester.*

**230 Seminar on Applied Research in Labor Economics** A practical introduction to the process of doing empirical research in labor economics. Seminar participants select a research topic, review related literature, develop an empirical model, and test hypotheses. The end result of the guided research project is an original research paper that is presented to seminar participants. Prerequisites: 100 and 227. *Offered occasionally in May Term.*

**240 Game Theory Goes to the Movies** Game theory is the science of strategic thinking. Through films, readings and discussion students are introduced to basic tools which will help them develop an understanding of the decisions made by individuals in interactive situations. Topics addressed include sequential rationality, the prisoner's dilemma, credible commitment, brinkmanship, bargaining, and voting. Prerequisite: 100. *Offered occasionally in May Term.*

**270 Special Topics** Specialized applications of economic theory. May be taken for credit more than once if the topics differ. Prerequisite: 100. *Offered occasionally.*

**301 Intermediate Microeconomics** Neoclassical analysis of the behavior of households and firms, the determination of prices, and the allocation of resources in a market economy. Prerequisite: 100. *Offered each semester.*

**302 Intermediate Macroeconomics** Analysis of the overall performance of an economy with emphasis on the effects of monetary and fiscal policy. Topics include

unemployment, inflation, long-run economic growth, and business cycle stabilization. Prerequisite: 100. *Offered each semester.*

**311 Money and Banking** Analysis of the pricing of bonds and financial derivatives, banking theory and operation, monetary theory, and the role of banks in the economy at the national and international level. Includes the study of public policy related to bank activity and to economic stability. Prerequisite: 100. *Offered each fall.*

**314 Industrial Organization and Public Policy** Study of markets dominated by a few large firms. Examines firms' strategic behavior and market performance related to pricing, profitability, advertising, innovation, and predatory conduct. Prerequisite: 100.

**328 Applied Econometrics** Methods for quantitative research in economics. Topics include the formulation of an empirical model; estimation and hypothesis testing; and violations of the classical regression model. Prerequisites: 100 and 227. *Offered annually.*

**329 Labor Economics** A study of economic aspects of labor markets. Topics include labor demand and supply, investments in education and training, labor market discrimination, unemployment, and labor unions. Prerequisite: 100.

**338 Time Series Analysis** Methods for quantitative research in economics. Topics include data compilation and management; stochastic processes; stationarity; trends and de-trending; testing for unit roots; least squares estimation of time series models; and basic estimation of cointegrated vectors. Prerequisites: 100 and 227. *Offered each spring.*

**351 International Trade** The economic factors that induce countries to engage in international trade are examined, along with the various challenges facing the international trading system. Gains from trade, comparative advantage, international factor movements, and trade policy are among the principal topics addressed. International Trade and International Finance are the core courses in international economics. They can be taken in either order. Prerequisite: 100 or 151.

**352 International Finance** Examines exchange rate mechanisms, international financial markets, balance of payments accounts, and open economy macroeconomics. Current challenges facing the international financial system are explored and policy options considered. International Trade and International Finance are the core courses in international economics. They can be taken in either order. Prerequisite: 100 or 151. *Offered each spring.*

**355 Economics of Developing Countries (G)** An introduction to economic analysis for developing countries. Topics include: poverty and inequality, what the process of "development" entails, growth models, the role of the agricultural sector, and industrial strategies. In addition, a study of the present economic situation of a developing country will be required. Prerequisite: 100.

**370 Special Topics** Specialized applications of economic theory. May be taken for credit more than once if the topics differ. Prerequisite: 100. *Offered occasionally.*

**401 Senior Project (W)** A capstone seminar designed for senior economics majors. Requires completion of research on a topic chosen by the student with the consent of the instructor. The course gives students the opportunity to draw on tools developed in the economics program to produce a research paper, and present the results to seminar participants. Prerequisites: 227, either 301 or 302, at least two other 300-level economics electives, and economics major with senior standing, or consent of department chair. *Offered each fall.*

**450 Independent Study** Advanced individualized study. Prerequisite: Consent of instructor. *Offered as needed.*

## EDUCATIONAL STUDIES

*Nillas, Evans, Gray*

The Educational Studies department offers coursework qualifying students for teacher licensure as well as a non-credential degree in interdisciplinary studies in education that allows students to pursue education related careers outside of the formal school setting. Both courses of study are grounded in the liberal arts and social justice mission of the University. Studies in the liberal arts, sciences, and humanities bring historical, philosophical, social, and cultural context to the educative endeavor. The teacher's challenge requires the same spirit of inquiry, creativity of thought, skillful communication, and strength of character that is expressed in the University mission. As we educate future teachers, we aim to enable them to think critically and creatively about the processes and prospects of education, the place of education and the role of the teacher in a diverse and democratic society. In particular, our mission is to educate teacher-scholars committed to social justice in their classrooms and schools so that the democratic ideals of equity and opportunity are realized for all students. Thus, we strive to graduate teacher-scholars for social justice who understand, appreciate, and are responsive to students from diverse backgrounds, and who have the knowledge, skills and dispositions to foster learning among all children regardless of race, class, culture, language, gender and/or ability. We hold to a vision of teachers committed to making a meaningful difference in the lives of all students, teachers who will inspire among their students a passion for learning and acting in the world, and in so doing, who will transform the educational landscape. This is our vision of the teacher-scholar committed to social justice. For the complete mission statement, go to the Educational Studies website.

### Teacher Licensure Program

Teacher Licensure is governed by the requirements of the State of Illinois. All candidates must pass state exams and meet the knowledge and performance standards outlined for all Illinois teachers. State requirements are subject to ongoing changes. For more detailed information, refer to the *Teacher Education Handbook* online at [www.iwu.edu/educational-studies/handbooks/](http://www.iwu.edu/educational-studies/handbooks/).

Illinois Wesleyan University is accredited by the Illinois State Board of Education (ISBE) for the undergraduate preparation of teachers in the following licensure programs:

- Elementary Education (grades 1-6).
- Secondary Education (grades 9-12) in mathematics, science (biology, physics), social science (history), and English language arts.
- PK-12 Education in second language (Spanish), and music.

Professional education coursework includes educational foundations, child study, pedagogy and curriculum, and teacher research. Emphasis on scholarship and social justice is infused throughout the curriculum. All teacher education courses require field experiences in area schools. Field experiences are planned to provide a gradual, sequential, and coherent introduction to the full range of teaching responsibilities, and are supervised by University faculty and school personnel. Student teaching placements are within the community and surrounding areas.

### **Admission to the Teacher Education Program**

Students pursuing teacher licensure should indicate their interest to the Registrar and the Assistant Director for Teacher Licensure and Assessment as early as possible in order to ensure adequate advising. Formal application for admission to the teacher education program takes place in the sophomore year upon completion of the two introductory level classes (225 and 255), outlined in the *Teacher Education Handbook* available on the Educational Studies website: [www.iwu.edu/educational-studies/](http://www.iwu.edu/educational-studies/). In most cases, students must be accepted the Teacher Education Program to enroll in 300/400 level coursework.

#### ***Major Sequence in Elementary Education (13 units):***

Elementary Education students declare a major in Elementary Education.

1. Education 225: Education and Social Justice (CSI)
2. Education 125: Schooling in Society (.25)
3. Education 255: Child Study and Assessment (W)
4. Education 126: Teaching to the World of the Child (.25)
5. Education 257: Disability Rights (AV, U)
6. Education 320: Foundations of Literacy: Reading, Writing, and Oral Communication (1.5 units)
7. Education 330: Mathematics, Science, and Technology Curriculum and Pedagogy in the Elementary Classroom
8. Education 335: Exploring Inquiry and Creativity in the Elementary Curriculum
9. Education 340: Instructional Planning, Assessment and Safe Learning Environments at the Early Childhood and Elementary Levels
10. Education 490: Student Teaching Seminar
11. Education 496: Student Teaching: Elementary (3 units)
12. Education 498: Educational Inquiry (W)

Teacher licensure also recommends completion of Math 105 and Math 106, Mathematical Concepts for Elementary Teachers.

The Illinois State Board of Education (ISBE) recommends the following coursework (but not credit hours) for elementary education licensure candidates:

- 1) coursework that addresses physical, life, and earth and space sciences; and
- 2) coursework that addresses history, geography, civics and government, and economics of Illinois, the United States, and the world.

AP and transfer courses may count toward the above requirement with Educational Studies advisor approval.

#### ***Major Sequence in Secondary Education (11 units):***

1. Education 225: Education and Social Justice (CSI)
2. Education 125: Schooling in Society (.25)
3. Education 255: Child Study and Assessment (W)
4. Education 126: Teaching to the World of the Child (.25)
5. Education 257: Disability Rights (AV, U)
6. Education 345: Instructional Planning, Assessment and Safe Learning Environments at the Middle Grade and Secondary Levels
7. Education 320: Foundations of Literacy: Reading, Writing and Oral Communication or

- Education 365: Reading, Writing and Communication Across the Curriculum
8. Education 360, 361, 362, or 363: Seminar: Curriculum and Pedagogy (.5)  
Must be taken concurrently with Education 345.
9. Education 490: Student Teaching Seminar.
10. Education 491, 492, 493, 494, or 495 (3 units): Student Teaching.
11. Education 498: Educational Inquiry (W)

### **Teaching Endorsements**

Upon satisfactory completion of the IWU program and state requirements, candidates are recommended for an Illinois Professional Educator License (PEL) endorsed at the grade range (secondary or elementary) and in the content area of their major field of study.

Endorsements in additional teaching fields may be added to the initial PEL at the Senior High (9-12), Middle Grades (5-8), and PK-12 levels. Students interested in adding additional teaching fields to their initial license should consult with the Director of Teacher Education to examine their options. See the Teacher Education Handbook at [www.iwu.edu/educational-studies/handbooks/](http://www.iwu.edu/educational-studies/handbooks/).

### **Interdisciplinary Major and Minor in Educational Studies**

The Interdisciplinary Educational Studies major or minor prepares students to work with children and families in a variety of settings and occupations. Students can apply coursework in Educational Studies to professional work in government, private industry, adult education, correctional institutional, and/or related school services such as recreation, after-school care, nursing, social work or social policy. The Educational Studies curriculum also prepares students for graduate and professional school in social policy, school counseling, or law.

#### ***Major Sequence in Interdisciplinary Educational Studies (10 units)***

1. Education 225
2. Education 255
3. One Educational Studies Elective
4. One Educational Studies Curriculum course to be chosen with the consent of the instructor. If a student elects to take EDUC 340 or EDUC 345, they will not be required to take EDUC 360, 361, 362, or 363.
5. Education 497 and 498
6. Four courses (at least one upper level) to be taken from one of the following interdisciplinary concentrations:
  1. Child and Family Study
  2. Education and International Studies
  3. Education, Identity and Public Policy

At least four courses must be taken at the 300 level or above for completion of the major. At least one 300 level course or above must be completed within the major concentration.

#### ***Minor Sequence in Interdisciplinary Educational Studies (6 units)***

1. Education 225
2. Education 255

3. One Educational Studies Elective (which may be a curriculum course to be chosen with the consent of the instructor). If a student elects to take EDUC 340 or EDUC 345, they will not be required to take EDUC 360, 361, 362, or 363.
4. Education 497 or 498
5. Two courses (at least one upper level) to be taken from one of the following interdisciplinary concentrations:
  1. Child and Family Study
  2. Education and International Studies
  3. Education, Identity and Public Policy

### **Interdisciplinary Concentration Areas**

Substitutions are permissible with approval of advisor.

1. **Child and Family Studies:** HLTH 101 (Introduction to Public Health), HLTH 230 (Human Nutrition), HLTH 330 (Human Sexuality); HIST 249 (Growing up in America, 1607-Present); PSYC 270/370\* (Special Topics), PSYC 252 (Child and Adolescent Development), PSYC 253 (Lifespan Developmental Psychology), PSYC 259 (Social Psychology), PSYC 359 (Advanced Social Psychology), PSYC 369 (Special Topics in Clinical, Developmental and Social Psychology); SOC 201 (Social Problems), SOC 240 (The Profession of Social Work), SOC 270/370\* (Special Topics), SOC 311 (Marriage and Family), SOC 362 (Social Welfare and Human Services).

2. **Education and International Studies:** ANTH 171 (Cultural Anthropology), ANTH 330 (Language, Communication, and Culture), ANTH 370\* (Special Topics); ECON 355 (Economics of Developing Countries); HLTH 280 (Perspectives in Global Health); HIST 353, 354 (History of United States Foreign Relations); IS 222/322 (International Human Rights: An Introduction), IS 240 (Thinking Globally: An Introduction), IS 370\* (Special Topics), IS 373 (Education and International Development); PSCI 103 (Comparing Nations), PSCI 215 (Politics in Developing Societies), PSCI 270/370\* (Special Topics), PSCI 303 (International Law and Organizations), PSCI 325 (Conflict Areas of the Third World), PSCI 326 (Globalization and Development), PSCI 345 (International Political Economy), SOC 270/370\* (Special Topics).

3. **Education, Identity and Public Policy:** PSCI 281 (American Social Policy), PSCI 270/370\* (Special Topics), SOC 201 (Social Problems), SOC 222 (Sex and Gender in Society), SOC 270/370\* (Special Topics), SOC 362 (Social Welfare and Services), PSCI 220 (Women in Politics), ANTH 270/370\* (Special Topics), ANTH 360 (Race, Racism and Anthropology), HIST 244 (History of American Feminisms), HIST 257 (Promised Lands: A Cultural and Literary History of the Great Migration, 1917-1970), HIST 270/370\* (Special Topics), HIST 343 (Migration, Ethnicity, and Race)

Students may substitute a 300 level course in specific areas with approval.

\*Special topics as appropriate

### **Reading Intervention Certificate**

Students completing this certificate will acquire a wide range of literacy skills and content knowledge that will position them to address student reading difficulties in the K-8 classroom.

Three required courses.

1. REA 272 (LIT): Child and Adolescent Literature
2. REA 322: Advanced Assessment and Diagnosis of Reading
3. REA 323: Advanced Interventions for Struggling Readers

## **Educational Studies Courses**

**100 Introduction to Youth Advocacy I (.25)** Students research a social issue that directly affects the welfare of children and youth. They also investigate the work of relevant local community agencies. Open to first year first semester students only. Must be taken concurrently with EDUC 255. *Offered each fall.*

**101 Introduction to Youth Advocacy II (.25)** Students work with a local community agency that promotes the welfare of children and youth. They also pursue advocacy strategies by speaking with government officials at the local and state levels. Open to second semester first year students only. Prerequisite: EDUC 100. *Offered each spring.*

**125 Schooling in Society (.25)** Prospective teacher education candidates observe and interact with students in a local public school, examining the relationship between education and social justice as it expresses itself in the field. Requires 20-25 hours in the field. *Offered each semester.*

**126 Teaching to the World of the Child (.25)** Prospective teacher education candidates observe and interact with individual children at the elementary, middle, secondary levels or off-campus settings, assessing the factors that contribute to or inhibit the child's learning and socio-emotional development. Requires 20-25 hours in the field. *Offered each semester.*

**225 Education and Social Justice (CSI)** Critical examination of the social, cultural, political and economic forces that influence school policies and practices. Analysis of the challenges and opportunities teachers confront as they respond to the needs of all students and the lived experience of their social class, gender, race, ethnicity, linguistic difference, ability, and/or sexual orientation. Those intending to pursue licensure must concurrently enroll in EDUC 125. Prerequisites: None. *Offered each semester.*

**250/350/450 Independent Study** An opportunity for students to deepen their concepts of educational topics and issues not offered through regular courses, primarily through intensive library research. Arranged to meet individual needs. May be repeated if project is different. Prerequisite: Consent of supervising faculty member. *Offered as needed.*

**255 Child Study and Assessment (W)** Developmental theory, research, and assessment of school-age children and adolescents. Individual differences in student learning and development. Case study, observational, and narrative assessment. Those intending to pursue licensure must concurrently enroll in EDUC 126. Prerequisite: None. *Offered each semester.*

**257 Disability Rights (AV) (U)** Multiple perspectives on the variation of human ability, the characterization of disability by law and the medical and social model of disability. Investigation of research, policies, ethical considerations and societal norms pertaining to human diversity. Examination of the evolution of special education, teachers' responsibilities to make learning accessible, and the federal laws extending rights to people with disabilities in schools. Prerequisites: None. *Offered each semester.*

**270/370/470 Special Topics in Educational Studies** Focused exploration of varied topics relevant to Educational Studies. Courses have included Children and Families with Special Needs, School and Community, Images of Children and Film, and Globalization and Youth Advocacy. Topics will vary each year. Course may be repeated if content is not duplicated. See current *Program of Classes* to determine if this course fulfills general education requirements. May count toward interdisciplinary major and minor. *Offered annually.*



**271 Teaching and Learning with Technology K-12** Educational technologies and their applications in K-12 classrooms, including instruction, assessment, and research. Attention to technological skills, trends, and curricular pedagogical and ethical issues involved in the use of technology in schools. Prerequisite: 225 or permission of instructor. May be taken concurrently with other Educational Studies courses. *Offered annually.*

**320 Foundations of Literacy: Reading, Writing and Oral Communication (1.5)** Theory and practice addressing language, literacy, and reading development in the Birth-12 classroom. Research-based instructional approaches for content literacy, alphabetic code, and language. Includes examination of materials, technologies, and assessments and their applications in a supportive literacy environment. Emphasis on interdisciplinary instruction and creating socially just curricula. Meets reading endorsement requirements for licensure candidates. Concurrent field placement. Prerequisites: EDUC 225, 255, acceptance to the TEP, or permission of instructor. *Offered each fall.*

**330 Mathematics, Science, and Technology Curriculum and Pedagogy in the Elementary Classroom** Constructivist approaches to the teaching and learning of mathematics and science focusing on problem-solving, reasoning, and proof, scientific inquiry, modeling, technology integration, and interdisciplinary connections. Emphasis upon planning, assessment and teacher research regarding best practices for addressing the needs of all students. Concurrent field experience. Prerequisites: C- or above grades in Math 105 and Math 106 or equivalent, and acceptance into the Teacher Education Program or permission of instructor. Refer to the TEP Handbook and consult with instructor for prerequisite college algebra equivalents. *Offered each fall.*

**335 Exploring Inquiry and Creativity in the Elementary Curriculum** Concepts, materials, and pedagogies in the visual and performing arts (music, theatre, and dance) and the social sciences throughout the elementary curriculum. Integrating fine arts and the social sciences through use of simulation, role play and project based initiatives across content areas to promote communication, inquiry, and engagement for developmentally and culturally diverse learners. Required field experience. Prerequisites: 225, 257, and acceptance to the TEP or permission of instructor. *Offered each spring.*

**340 Instructional Planning, Assessment and Safe Learning Environments at the Early Childhood and Elementary Levels (Cross-listed with EDUC 345)** Lesson and unit planning strategies that incorporate principles of differentiated instruction and assessment, concepts involved in the assessment construction and the assessment of student progress, alternative ways of creating safe and comforting classroom environments, to be examined, observed, and tested in the field. Prerequisites: 225, 257, and acceptance to the Teacher Education program or permission of instructor. *Offered each spring.*

**345 Instructional Planning, and Assessment and Safe Learning Environment at the Middle Grade and Secondary Levels (Cross-listed with EDUC 340)** Lesson and unit planning strategies that incorporate principles of differentiated instruction and assessment, concepts involved in the assessment construction and the assessment of student progress, alternative ways of creating safe and comforting classroom environments, to be examined, observed, and tested in the field. Prerequisites: 225, 255, 257, and acceptance to the Teacher Education Program or permission of instructor. Must be taken concurrently with EDUC 360, 361, 362, or 363. *Offered each spring.*

**360 Seminar: Curriculum and Pedagogy in English and Second Language (.5)** Curriculum development, pedagogical theory and practice in middle and high schools specific to literature, culture, and written and oral communication in English and second languages. Curriculum planning, instructional strategies, assessment, and creating positive learning environments responsive to the individual needs and abilities of all students. Required field experience (50 hours minimum). Prerequisites: Acceptance into the Teacher Education Program and four courses in the major. Taken semester prior to student teaching. Must be taken concurrently with EDUC 345. *Offered each spring.*

**361 Seminar: Curriculum and Pedagogy in Social Science (.5)** Curriculum development, pedagogical theory and practice in middle and high schools specific to social science with an emphasis on history, including teaching with primary sources. Curriculum planning, instructional strategies, assessment, and creating positive learning environments responsive to the individual needs and abilities of all students. Required field experience (50 hours minimum). Prerequisites: Acceptance into the Teacher Education Program and four courses in the major or pursuit of the middle school endorsement. Taken semester prior to student teaching and must be taken concurrently with EDUC 345 unless used to exclusively fulfill middle school endorsement. *Offered each spring.*

**362 Seminar: Curriculum and Pedagogy in Middle Grades and Secondary Mathematics (.5 or 1)** Curriculum development and pedagogical theory and practice in middle and high schools specific to mathematics, emphasizing mathematical reasoning and problem solving, multiple representations, and technology integration from a constructivist perspective. Curriculum planning, implementation, assessment, and creating positive learning environments responsive to the individual needs and abilities of all students. Required field experience for spring students only (50 hours minimum). Prerequisites: Acceptance into the Teacher Education Program and four courses in the major or pursuit of the middle school endorsement. Taken semester prior to student teaching and must be taken concurrently with EDUC 345 unless used to exclusively fulfill middle school endorsement. *Offered each spring and summer.*

**363 Seminar: Curriculum and Pedagogy in the Natural Sciences (.5)** Curriculum development and pedagogical theory and practice in middle and high schools in the natural sciences, with specific attention to biology, chemistry, and physics. Specific attention to scientific inquiry and reasoning, laboratory experiences and relevant technologies. Curriculum planning, implementation, assessment, and creating positive learning environments responsive to the individual needs and abilities of all students. Required field experience (50 hours minimum). Prerequisites: Acceptance into the Teacher Education Program and four courses in the major or pursuit of the middle school endorsement. Taken semester prior to student teaching and must be taken concurrently with EDUC 345 unless used to exclusively fulfill middle school endorsement. *Offered each spring.*

**365 Reading, Writing and Communication in the Content Areas** Examination of the relationships among reading, writing, and oral communication and integrating each within content learning across the disciplines. The nature of reading; assessment of students' reading, writing and oral communication skills; the design of instructional approaches and best practices for developing academic vocabulary, comprehensive, and content knowledge based on research; and the selection of materials and texts to support content area literacy among diverse groups of Birth-12 students. Prerequisites: EDUC 360, 361, 362, or 363 OR MUS 232, 333A and 333B OR permission of instructor. *Offered every May Term.*

**372 English Language Learners** Investigation of the needs and challenges faced by English language learners. Emphasis on understanding students from different cultures, theories of second language acquisition, ways to support English language development, teaching academic content, and effectively engaging families of English Language Learners in the education process. Field placement in a bilingual school setting or in an adult E.S.L. class. Prerequisites: 225 and 255 or consent of instructor. *Offered occasionally.*

**373 Education and International Development (CSI, G, W)** Throughout the world, education has been viewed as an important means of improving people's lives. This assumption is examined and critiqued by analyzing educational policies and practices in Asia, Latin America, and Africa. Specific topics include the educational treatment of girls, indigenous peoples, street children, child refugees, and child laborers. Also examined are the efforts to teach reformed child soldiers and children who are, or whose parents are HIV positive. *Offered alternate years.*

**397(.75)/497 Internship** Directed research and individually designed field experience in an educational, community, or social service setting. Prerequisites: Junior/senior standing and course instructor approval. *Offered as needed.*

**490 Student Teaching Seminar** Creating socially just, democratic, culturally responsive and inclusive classroom communities. Parent-teacher relationships and professional collaboration. Self-study of teaching. Teacher Performance Assessment. Summer reading required prior to the start of the term. Prerequisites: acceptance to Student Teaching. Concurrent enrollment with student teaching (491, 492, 493, 494, 495). *Offered each fall.*

**491 Student Teaching: Secondary English Language Arts** Full time immersion and induction into the range of experiences associated with public school teaching at all levels of high school English, under the guidance and direction of a cooperating teacher and University supervisor. Teacher Performance Assessment portfolio. Chicago placement option. Concurrent enrollment in 490 required. Prerequisites: acceptance to Student Teaching. *Offered each fall.*

**492 Student Teaching: Secondary Social Science** Full time immersion and induction into the range of experiences associated with public school teaching of high school core social science and designated history classes, under the guidance and direction of a cooperating teacher and University supervisor. Teacher Performance Assessment portfolio. Chicago placement option. Concurrent enrollment in 490 required. Prerequisites: acceptance to Student Teaching. *Offered each fall.*

**493 Student Teaching: Second Language** Full time immersion and induction into the range of experiences associated with public school teaching at all levels of the high school second language classroom, under the guidance and direction of a cooperating teacher and University supervisor. Teacher Performance Assessment portfolio. Chicago placement option. Concurrent enrollment in 490 required. Prerequisites: acceptance to Student Teaching. *Offered each fall.*

**494 Student Teaching: Secondary Mathematics** Full time immersion and induction into the range of experiences associated with public school teaching at all levels of the high school mathematics classroom, under the guidance and direction of a cooperating teacher and University supervisor. Teacher Performance Assessment portfolio. Chicago placement option. Concurrent enrollment in 490 required. Prerequisites: acceptance to Student Teaching. *Offered each fall.*

**495 Student Teaching: Secondary Science** Full time immersion and induction into the range of experiences associated with public school teaching of core science and designated sciences (biology, chemistry, or physics) under the guidance and direction of a cooperating teacher and University supervisor. Teacher Performance Assessment portfolio. Chicago placement option. Concurrent enrollment in 490 required. Prerequisites: acceptance to Student Teaching. *Offered each fall.*

**496 Student Teaching Elementary** Full time immersion and induction into the range of experiences associated with public school teaching in grades kindergarten through eight, under the guidance and direction of a cooperating teacher and University supervisor. Teacher Performance Assessment portfolio. Chicago placement option. Concurrent enrollment in 490 required. Prerequisites: acceptance to Student Teaching. *Offered each fall.*

**498 Educational Inquiry (W)** Capstone course revisiting social justice issues in education through student led and collaborative research within classroom, school, and community contexts, culminating in a public presentation. Includes extensive literature review. Prerequisites: 490 and 491, 492, 493, 494, 495, or 496 or all other courses in the interdisciplinary major or minor (exception for 9th semester student teachers). *Offered each spring.*

## Reading Courses

**REA 272 Child and Adolescent Literature (LIT)** Exploration of child and adolescent literature through analyses of themes, characters, and narratives. Emphasis on multicultural and social justice perspectives and the uses of literature to illuminate and inform human experiences. Counts toward the child and family studies concentration in the Educational Studies interdisciplinary major and toward the reading endorsement for licensure candidates. Prerequisite: 255 or permission of the instructor. *Offered annually.*

**REA 322 Advanced Assessment and Diagnosis of Reading** In-depth treatment of assessment and diagnosis of reading disabilities grades PK-12. Uses and limitations of standardization, authentic, formal, and informal assessment measures and strategies. Emphasis on nondiscriminatory assessment which takes into consideration the impact of disabilities, communication, culture, and primary language. The interpretation of assessment information for diagnosing individual students' reading. Communicating diagnostic information to students and their parents. Course counts towards the reading endorsement for licensure candidates. Concurrent field placement. Prerequisite: EDUC 320 or permission of instructor. *Offered alternate years.*

**REA 323 Advanced Interventions for Struggling Readers** Remedial reading instruction, support, materials, and resources for PK-12 students with reading disabilities. Development of individual educational plans (IEP) or response to intervention (RTI) plans, and the design, implementation, and evaluation of reading programs for small groups and individual students. Strategies for multisensory instruction are emphasized. Course counts towards the reading endorsement for licensure candidates. Concurrent field placement. Prerequisite: EDUC 320 or permission of instructor. *Offered alternate years, spring semester.*

## ENGLISH

*Theune, Chapman, Diaz, Plath, Reissenweber, Rodriguez Barrera*

The English curriculum in literature and writing trains students in the arts of reading, creative thinking, deft expression, and argumentation. Studying literature and its kindred arts enables students to recognize the power and beauty of language and to find meaning in the complexities of human experience. Reading imaginative works from different eras and locating them in their intellectual, historical and social contexts, students come to understand how literature transmits and transforms the cultures that produce it. Academic work in the discipline fosters lifelong skills that enable students to investigate and respond to critical questions, while helping them live reflective, imaginative lives. As they take intellectual and imaginative risks in their own writing, students develop their sense of agency and experience the pleasure of engaging with texts and ideas.

All English majors take courses in literature, a vital part of the humanities and the liberal arts. Those planning to teach English in primary or secondary school combine literary studies with Educational Studies courses. Students interested in journalism combine literature courses with courses in newswriting, reporting and new media. Students of English prepare themselves for graduate school and for positions in a variety of fields, a short list of which includes advertising, business, consulting, counseling, editing, law, library science, marketing, politics, public relations, publishing, social work, systems analysis, telecommunications, university teaching, web design, and writing of all kinds – any kind of work that requires adeptness in verbal expression, a capacity for thinking critically and creatively, and an ability to envision, design, and execute complex projects.

The department offers two sequences for majors: a Literature sequence and a Writing sequence in creative writing and/or journalism. English majors seeking a license to teach English at the middle or high school level should refer to the Educational Studies Department section of the *Catalog* and *Teacher Education Handbook* ([www.iwu.edu/educational-studies/handbooks/](http://www.iwu.edu/educational-studies/handbooks/)) for further information. Students seeking teacher licensure should inform the Educational Studies office and consult with the Educational Studies department chair for advising. Questions regarding the English major and/or career options should be directed to the department chair.

***Major Sequence in English Literature (10 Courses):***

Students may take this sequence as late as the fall semester of their junior year, providing that a sufficient portion of general education requirements have been met. A minimum of ten courses from English departmental offerings is required:

1. English 280
2. Two or three lower division literature courses: a) One course must be from 220-257; b) One or two additional courses from 109-170, or 220-257 (Only one unit of 100-level English courses may be counted toward the major).
3. Five or six additional courses in literature at the 300/400 level. At least one must be pre-1830 literature (341-345, 393-394).
4. English 480
5. Students may substitute either one unit of writing taken at the 100/200 level for 2b above, OR one unit of writing at the 300/400 level for one course from 3 above, excluding the pre-1830 requirement.

***Major Sequence in English Writing (12 Courses):***

The writing sequence usually requires a minimum of five semesters to accommodate the additional course work. Students may focus on creative writing, journalism, or multiple genres. A minimum of twelve courses from English departmental offerings is required:

1. English 280
2. One lower division literature course from 220-257
3. Three courses in literature at the 300/400 level. At least one must be pre-1830 literature (341-345, 393-394).
4. One course in literature at the 100/200/300 level.
5. Two lower division writing courses from 201, 202, 206, 272-writing, JOUR 211, JOUR 212 and JOUR 213 may also fill this requirement.
6. Two upper division writing courses from 301 (may be repeated for credit with different subject matter), 302-314, 335, JOUR 315, JOUR 325, and JOUR 397.
7. One additional course in writing from 101, 201-206, 301-314, 335, and 485-writing, THEA 341, THEA 342, JOUR 315, JOUR 325, and JOUR 397 may also fulfill this requirement.
8. English 401

***Minor Sequence in English (6 courses):***

Six courses from English departmental offerings are required:

1. English 280
2. Two lower division literature courses: a) One course must be from 220-

- 257; b) One additional course from 109-170 or 220-257.
3. Two additional courses in literature at the 300/400 level.
  4. One additional course unit in writing or literature at the 100, 200, or 300 level.

***Minor Sequence in Creative Writing (6 courses):***

A minimum of six courses from English departmental offerings is required:

1. One lower division creative writing course (101, 201, 202, 206)
2. One upper division creative writing course (301-314)
3. One additional creative writing course at the 200 or 300 level. THEA 341 or 342, as well, may fulfill this requirement.
4. English 280
5. Two additional literature courses
6. With regard to the requirements listed above, of the total number of courses, only one course at the 100 level may count toward the minor, and at least two must be at the 300 level or above.

***Minor Sequence in Journalism and Communication:***

A minimum of 6 courses and a minimum of 2 at the 300-400 level:

1. **JOUR 211: Writing for Media**
2. **One course in Media Audience and Analysis:**  
 ENGL 109: Poetry through Performance  
 ENGL 313: Stand-Up Poetry\*  
 FLM 110: Film Aesthetics  
 HIST 154: Film and History, US  
 HIST 249: Growing Up in America  
 HIST 255: Museums: Making History Come Alive!  
 SOC 250: Media and Popular Culture
3. **One course in Visual Design and Production:**  
 ART 141: Graphic Design  
 ART 240: Digital Photography  
 ART 241: Graphic Design II: The Image & Design\*  
 ART 242: Graphic Design: Advanced Web Design (or equivalent through LCMC)\*  
 ART 342: Graphic Design: Advanced Web Design (or equivalent through LCMC)\*  
 FLM 330: Videography\*  
 FLM 431: Directed Study in Video Production\*
4. **One course in Professional Writing:**  
 JOUR 212: Opinion Writing  
 JOUR 213: New Media  
 JOUR 315: Public Relations and Strategic Communication\*  
 JOUR 325: Feature Writing and In-Depth Reporting\*
5. **Two additional courses** from categories 3 and 4 above or from the following list of electives:  
 BUS 331: Marketing: Principles and Management  
 BUS 332: Marketing in Services Industries and Not-for-Profit Organizations\*  
 BUS 333: Marketing Channels\*  
 ENGL 206: Creative Nonfiction

ENGL 335: Internship in Professional Writing  
ENGL 374: Literary Editing and Publishing\*  
JOUR 397: Internship in Editing and Publishing  
PSCI 398/SOC 398: Grant Writing\*

\*Students should check required prerequisites for courses indicated by an asterisk (\*).

## Literature

**109 Poetry through Performance (LIT)** An introduction to poetry that uses performance as a key method for engaging a range of poetic texts, from sonnets to slam poets. *Offered occasionally.*

**110 The Short Story (LIT)** Examines short stories from a variety of traditions and diverse points of view. Considers the conventional elements of fiction – plot, character, setting, point of view, thematic concerns – and examines how those elements can propose and/or subvert meaning. Considers, too, the limits of the short story: what it can and cannot accomplish. *Offered annually.*

**111 Latinx Fiction from 1980 – Present (LIT, U)** This course focuses on fiction by recent and contemporary Latinx writers in the United States. We will study styles and structures of literary texts and the ways in which they function in the service of narratives of American life, with diverse cultural elements that contribute to the experience of Latinidad. *Offered in alternate years.*

**115 Science Fiction (LIT)** Science fiction represents that which does not (or does not yet) exist – and as such has suffered from the reputation of being escapist fare. In this course, we will consider how science fiction uses “that which does not exist” – imagined futures, alternate histories, alien cultures, and the like – to grapple with genuine historical, social, and philosophical concerns. *Offered occasionally.*

**120 Women in Literature (LIT)** This course examines select twentieth- and twenty-first century American and British women writers, with an emphasis on cultural diversity. We will read novels, autobiographies, graphic novels, plays, short stories, and poems, as well as view films. Among the questions we will ask are: What do we mean by women’s literature? How has it been influenced by changing societal norms? How might gender and feminist theories be used as categories of textual analysis? And how have women used different textual genres to express their subjectivity? Prerequisites: None. *Offered occasionally.*

**131 Literature & War (LIT)** This course explores significant developments in the war novel, as well as changing social attitudes and psychological responses to war. Students will read and view a variety of material, from flag-waving heroism to “M\*A\*S\*H”-like attempts to survive. This course will also introduce students to basic literary criticism. *Offered occasionally.*

**132 The Healing Art: Illness Narratives in Film and Literature (LIT)** In this course, students consider the techniques that writers and filmmakers use to explore the complexities of illness. This course asks: how do writers use figurative language, shifts in perspective, and filmic techniques to negotiate questions about the body? Readings and viewing include contemporary poems, short stories, essays, and films. *Offered occasionally.*

**133 Crime and Punishment: Searching for Justice in Film and Literature (LIT)** In this course, students consider texts in which characters commit violent crimes and victims seek justice, and sometimes revenge, for those crimes. Students consider the pervasiveness of the legal culture that literature both helps to constitute and critique. Readings include films, plays, poems, and short stories. *Offered occasionally.*

**139 Freaks! (LIT, U)** This course explores the representation of physical, psychological, and social abnormality in fiction and film. Course discussions and

assignments focus on themes of belonging and alienation, the construction of race and gender, and cultural understandings of normalcy and deviance. *Offered occasionally.*

**170 Special Topics in Literature (LIT)** Critical reading and interpretation of literary texts. Encourages close reading as well as oral and written work in articulating understanding. May be repeated for credit if subject matter is not duplicated. *Offered occasionally.*

### **Foundation Courses for the English Major**

**220 Literature and Its Signs (LIT)** Examines how issues of representation, genre, and historical context cooperate in a “reading” of British, American, or other English language texts. May be repeated for credit if the subject matter is not duplicated. Prerequisite: Gateway Colloquium. *Offered occasionally.*

**222 Shakespeare's Shrews (LIT, W)** This course examines how Shakespeare's plays respond to his culture's conversation and debate about women and their roles during the early modern period. Prerequisite: Gateway Colloquium. *Offered alternate years.*

**224 Shakespeare and Film (LIT, W)** In this course, we consider film as a medium that provides radical reimaginings of Shakespeare's texts in the twentieth and twenty-first centuries. Students examine the cultural context and meanings of these plays in the English Renaissance as well as their significance to the history of film. Prerequisite: Gateway Colloquium. *Offered in alternate years.*

**232 British Drama 1950 – Present (LIT)** A study of important theatrical innovations and the staging of social and political issues in Great Britain from 1950 to the present. Prerequisite: Gateway Colloquium. *Offered in alternate years.*

**233 American Drama: 1940 – Present (LIT)** A study of American drama of the past sixty to seventy years, with special focus on theatrical innovation and the staging of social issues. Prerequisite: Gateway Colloquium. *Offered in alternate years.*

**234 Latinx Drama: 1965 - Present (LIT, U)** A study of plays in English by Latinx writers, beginning with the impact of El Teatro Campesino. The class will study the ways in which these authors stage cultural, socioeconomic, linguistic, and other concerns. Prerequisite: Gateway Colloquium. *Offered occasionally.*

**243 What's Love Got To Do With It?: English Poetry, 1500-1700 (LIT)** This course offers an introduction to early modern English poetry, including sonnet sequences, epics, and devotional lyrics. Close readings of poems will yield an understanding of the preoccupations of the period – including women's chastity, homoerotic desire, scientific knowledge, and the nature of sin and despair. Prerequisite: Gateway Colloquium. *Offered occasionally.*

**252 Slavery in US Literature and Film (LIT, U)** This course examines the representation of slavery in American literature and film from the nineteenth through twenty-first centuries, illuminating the ways that this institution was and continues to be foundational to American experience and identity. Prerequisite: Gateway Colloquium. *Offered occasionally.*

**254 Web of American Poetry (LIT, W)** This course traces several threads of ideas in American poetry from the Puritan era to the second half of the 20th century. Prerequisite: Gateway Colloquium. *Offered occasionally.*

**255 Hip-Hop: A Literary Study (LIT, W, U)** This course examines hip-hop, a set of cultural practices that includes rap, dance, and graffiti art. Studying hip-hop as literature, students analyze the poetics of rap, consider the sociopolitical significance of rap's racial and gendered performances, and explore the influence of hip-hop on contemporary literary fiction. Prerequisite: Gateway Colloquium. *Offered alternate years.*

**257 Promised Lands: A Cultural and Literary History of the Great Migration, 1917-1970 (CHC, U) (Cross-listed with HIST 257)** Between 1917 and 1970, more than six million African-Americans departed the rural U.S. South seeking asylum, economic



opportunity, and equality in the urban North. This “Great Migration” as scholars call this collective movement, reconfigured the demographics, politics, and culture of both regions. This course will explore the Great Migration through two disciplinary lenses – cultural history and literature – in order to reimagine the twentieth-century United States from an African-American perspective that descenders and denaturalizes whiteness as an unspoken condition in this historical construction of American identity. *Offered in alternate years.*

**272 Travel Course** Emphasis on texts in overseas or domestic contexts in which they were created or upon which they focus. All or most of May term will be spent off-campus. May be repeated for credit if the topic is not duplicated. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally in May Term.*

**280 Understanding Literature (W)** Practice in interpretation of texts through discussion and written work; attention to strategies of writing about literature, to critical vocabulary, and to critical approaches in current use. Restricted to English majors and minors only. Prerequisite: Gateway Colloquium. *Offered each semester.*

**285x Introduction to Research in English (0 units – Credit/No Credit)** Design and completion of library or archive research project in language, literature, or culture under faculty tutelage. Research may serve as first step toward larger, independent research project, investigate an issue raised in student’s previous study, or complete a limited project using library or archive holdings or acquisitions. Prerequisites: Consent of instructor and English department chair. *Offered each semester and occasionally in May Term.*

**374 Literary Editing and Publishing (LIT)** This course provides students with an in-depth understanding of key issues in literary editing and publishing. Students will learn about editorial theory and practice, the history of small presses and literary magazines, and practical knowledge about the production of literary texts. Prerequisite: Gateway Colloquium, 1 course from ENGL 109-170 or 220-257, plus 280. *Offered in alternate years.*

**385x Advanced Research in English (0 units – Credit/No Credit)** Design and completion of advanced-level library or archive research project in language, literature, or culture under faculty tutelage. Research can build on previous coursework or study in ENGL 285x. Ideally, this research serves as a foundation for a project in ENGL 485 or English research honors. Prerequisites: Consent of instructor and English department chair and a GPA in the major of at least 3.25. May be repeated with prior approval of instructor and chair. *Offered each semester and occasionally in May Term.*

### **341-356 Historical Periods and Movements**

**341 Medieval Literature (LIT)** Readings of English and Continental texts from the 9th-15th century with selected readings in Middle English and in modern translation from Latin, Old French, Provençal, Welsh, and other traditions. May include Arthurian romance, the literature of courtly love, drama, lyric poetry, or writings of medieval mystics. Prerequisites: Gateway Colloquium; 1 course from 109-170 or 220-257, plus 280. *Offered in alternate years.*

**342 Renaissance Literature (LIT)** Investigates issues of representation of gender and sexuality, representations of the court, the place of the stage, versions of early modern selfhood, and moral theory in the Renaissance period, 1520-1660. Prerequisites: Gateway Colloquium; 1 course from ENGL 109-170 or 220-257, plus 280. *Offered as needed.*

**343 Restoration and 18th Century (LIT)** Focus on British authors between 1660-1789 who consider issues of aristocratic decadence, wit as a moral touchstone, emergence of the middle class, and gender through the use of satire, romance, the novel (epistolary, picaresque, comic), comedy of manners, sentimental and laughing comedy, neoclassical tragedy, and mock forms. Prerequisites: Gateway Colloquium; 1 course from ENGL 109-170 or 220-257, plus 280. *Offered occasionally.*

**344 Romantic Literature (LIT)** Examines the great literature – much of it poetry – of the period 1789-1830. Addresses themes and issues characteristic of this time of unrest and redefinition. Prerequisites: Gateway Colloquium; 1 course from ENGL 109-170 or 220-257, plus 280. *Offered in alternate years.*

**345 The Global Renaissance (LIT, G)** In this course, we will investigate how Renaissance literature helped to shape our twenty-first century ideas about race, ethnicity, colonization, and religious difference. Students will read a variety of plays, poems, and essays that foreground European encounters with the Mediterranean, the New World, Africa, and Asia in the period between 1400-1650. Prerequisite: Gateway Colloquium and one of the following: ENGL 280. *Offered in alternate years.*

**346 Victorian Literature (LIT)** Focus on British novelists, poets, playwrights, and essayists between 1830-1900 who are drawn to themes of the divided self, middle class decorum, the fight for women's suffrage and education, organization of the working class, responses to poverty, expansion of the British empire, and religious conversion and doubt. Prerequisites: Gateway Colloquium; 1 course from ENGL 109-170 or 220-257, plus 280. *Offered in alternate years.*

**351 Manifest Destinies: American Literature to 1865 (LIT, U)** Focus on aspect(s) of American literature up to the Civil War to form a coherent view of one part of the American experience. May examine poetry, drama, fiction, essays, journals, diaries, news articles, or collateral art like painting and music. Prerequisites: Gateway Colloquium; 1 course from ENGL 109-170 or 220-257, plus 280. *Offered in alternate years.*

**352 American Literature after 1865 (LIT, U)** Focus on aspect(s) of American literature since the Civil War to form a coherent view of American experience. Draws upon several literary and non-literary genres. Prerequisites: Gateway Colloquium; 1 course from ENGL 109-170 or 220-257, plus 280. *Offered in alternate years.*

**354 American Literature since 1945 (LIT, U)** Focus on literary, historical, and cultural contexts and movements through faculty selected topics, e.g., War and Literature, Black American Literature, The Modern Experiment and the Arts, or Postmodernism. Prerequisites: Gateway Colloquium; 1 course from ENGL 109-170 or 220-257, plus 280. *Offered occasionally.*

**355 Native American Literature (LIT, U)** Focus on the literature produced by Native American writers of the twentieth century. Students will explore selected theoretical essays, poetry, and prose in order to come to a greater understanding of the issues that concern Native American writers. Prerequisites: Gateway Colloquium; 1 course from ENGL 109-170 or 220-257, plus 280. *Offered in alternate years.*

**356 Modernism (LIT)** Emphasis and scope varies on American, British, or world modernism. Topics may include development of modernism, modernist views of language and art, the social contexts of literary modernism, for example. Prerequisites: Gateway Colloquium; 1 course from ENGL 109-170 or 220-257, plus 280. *Offered occasionally.*

## World Literatures

**359 World Literature (LIT, G)** Focus on 1) Anglophone literature of Africa, South Asia and the Caribbean, or 2) national literature in translation, or 3) comparative treatments of issues, authors or literary genres. Prerequisites: Gateway Colloquium; 1 course from ENGL 109-170, 220-257, plus 280. *Offered in occasionally.*

## Special Topics

**370 Special Topics in Literature** Courses with related objectives but varying content. May treat a genre (fiction, poetry, drama) or broad theme with extensive rather than specialized focus. May be repeated if subject matter is not duplicated. Prerequisites: Gateway Colloquium; 1 course from ENGL 109-170 or 220-257, plus 280. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*

**380 Literary Theories** Focus on modern theoretical approaches to literature. While materials and emphases may vary, the course addresses multiple perspectives, twentieth century criticism, and concepts over practical applications. Prerequisites: Gateway Colloquium; 1 course from ENGL 109–170 or 220–257, plus 280. *Offered in alternate years.*

**381 Thinking Queer/Reading Queer (LIT, U)** This course introduces students to queer theory, a critical framework used to analyze gender and sexuality, and it immerses students in the interpretation of literature by gay, lesbian, queer, and trans-identified individuals as well as literature and films that take as their subject queer genders and sexualities. Prerequisite: Gateway Colloquium and one of the following: ENGL 280, HLTH 330, PHIL 230, SOC 222, SOC 311, or WGS 101. *Offered in alternate years.*

### **393-394 Author Studies**

**393 Love, Marriage, Sex, Power: Shakespeare's Comedies and Histories (LIT)** This course investigates the ways Shakespeare's comedies and histories engage the themes of the course title. These themes emerge from the political and domestic norms of the early modern world, norms that the plays may question, subvert, or reinforce. Prerequisites: Gateway Colloquium and one of the following: ENGL 280, THEA 241, HIST 290, 321, or 323. *Offered annually.*

**394 Death, Gender, Power: Shakespeare's Tragedies and Romances (LIT)** This course investigates how Shakespeare's tragedies and romances attempt to respond to the ideologies of power in the early modern period. It also considers the plays' relevance for a contemporary audience. Prerequisites: Gateway Colloquium and one of the following: ENGL 280, THEA 241, HIST 290, 321, or 323. *Each course offered annually.*

### **Courses for Seniors**

**480 Senior Seminar (W)** Intensive study of a particular topic, author, or genre. Enrollment limited. Prerequisites: Majors and minors with junior or senior standing and prior completion of at least two ENGL 300- or 400-level courses in literature. *Offered annually.*

**485 Directed Study in English** Independent study in English. May not duplicate the content of regularly offered courses. Enrollment limited to English majors. Prerequisites: Consent of instructor and the chair of the department. Student must submit a plan of study prior to enrollment. *Offered each semester and occasionally in May Term.*

### **Creative Writing**

**101 Introduction to Creative Writing (AR)** Examines theory and practice of writing creatively. Reading combined with practice in the basic processes of and strategies for writing fiction, poetry, or drama. *Offered annually.*

**201 Writing Fiction (AR)** Workshop in reading and writing fiction while focusing on principles and techniques used by writers and on key elements of the story form. Students will complete stories and develop a portfolio. *Offered annually.*

**202 Writing Poetry (AR)** Workshop in reading and writing poetry while focusing on primary techniques and fundamental elements used in writing poetry, both formal and free verse. Students will complete a series of poems and develop a portfolio. *Offered annually.*

**206 Creative Nonfiction (AR,W)** Workshop in reading and writing creative non-fiction while focusing on fundamentals, including situating experience, finding the right form, and developing a personal voice. Students will complete essays and develop a portfolio. *Offered in alternate years.*

**214 Digital Storytelling (AR, W)** This course will introduce students to the fundamentals of digital storytelling. Students will engage in and learn about ideation, research techniques, best practices, and storytelling across multiple platforms. *Offered in alternate years.*

**301 Special Topics in Creative Writing (AR)** Workshop in a single genre or topic focusing on specific issues related to specific schools, styles or subjects in writing. May be repeated for credit if subject matter not duplicated. Prerequisite: ENGL 201 (if fiction), ENGL 202 (if poetry), ENGL 206 (if nonfiction), or consent of instructor. These prerequisites may be waived by the instructor based on evaluation of student's portfolio. Priority enrollment given to writing concentration majors when necessary. *Offered occasionally.*

**302 Fiction and Field Study (AR)** In this course, students will consider the environmental underpinnings of fiction, exploring the way place works in concert with character and action to create evocative fiction. Students will engage in experiential learning to cultivate their observation skills, understand dimension of place, and translate their observations into well-crafted fiction that has urgency. Prerequisite: ENGL 201. *Offered occasionally.*

**303 Flash Fiction and Micro-Memoir (AR)** In this course, students will examine and write concise literary fiction and essays. Writing with brevity, students will experiment with structure, concise imagery, and compressed language. While this form is short, it is not slight. As author Judith Kitchen writes, "the effect is a little sting." Prerequisite: ENGL 201 or ENGL 206. The prerequisites may be waived by the instructor based on evaluation of the student's portfolio. Priority enrollment will be given to writing concentration majors when necessary. *Offered occasionally.*

**304 Novel Writing (AR)** While exploring techniques in narrative structure, character development, plotting, scenic construction, dialogue, description, and narrative voice, students will be encouraged to create a full-length novel. Previous classes focused on the mystery or literary novel, but topics may vary. Prerequisite: ENGL 201. *Offered occasionally.*

**305 Interrelated Short Stories (AR)** In this course, we will examine story sequences and novels-in-stories-structures that use carefully connected short stories to create compelling narrative progression. Students will engage in a sustained, on-line role play exercise, and use that experience to collaboratively create a collection of very short stories, which will become our text to better understand the dynamic nature of interrelation. Students will then plan, draft and revise their own collection of interrelated stories. Prerequisite: ENGL 201. *Offered occasionally.*

**306 Writer as Explorer (AR)** Following an intense personal preoccupation is often the engine of a fiction. In this class, students will discuss the nature of these preoccupations and how they interact with the creative and writing processes. Students will generate a significant amount of new material and consider its effectiveness in discussion and revision. Prerequisite: ENGL 201. *Offered occasionally.*

**310 Forms of Poetry (AR)** Even before they had paper and pen, ancient poets were drawn to formal structures, and contemporary poets continue to write formal verse. In this workshop, students write poems in a variety of forms and more experimental modes, including the blues poem, the sonnet, the ghazal, the sestina, the villanelle, erasure poetry, and Oulipians constraints. Prerequisite: ENGL 202. *Offered occasionally.*

**311 Poetics of Engagement (AR)** In this course, students will read and write poems that engage with the world-politically, historically, and personally. We will ask: what makes a poem feel consequential? What are the ethical risks that poets must take in order to respond to the world? By the end of the semester, students will have written and revised a series of poems that feel urgent and essential. Prerequisite: ENGL 202. *Offered occasionally.*

**312 Ekphrastic Poetry (AR)** Ekphrastic poetry employs the visual arts as its subject matter and/ or inspiration. In this class, we will use the visual arts to make vital, new discoveries in the verbal art of poetry. Prerequisite: ENGL 202. *Offered occasionally.*

**313 Stand-Up Poetry (AR)** This course will introduce students to the art and practice of stand-up poetry, poetry that is humorous, performable, and clear, and that

contains flights of fancy, emerges from a strong individual voice, and packs emotional punch. We will learn comedic techniques, and apply them to writing bold, new, risky, and rambunctious poems. Prerequisite: ENGL 202. *Offered occasionally.*

**314 Ideas of Poetry/Poetry of Ideas (AR)** Poet William Blake writes “I must create my own system or be enslaved by another man’s.” This course explores how systems – processes, projects, theoretical frameworks – assist the production of poetry, inspiring and informing it. By semester’s end, each participant devises a poetic system and crafts a collection of related poems. Prerequisite: ENGL 202. *Offered occasionally.*

**401 Senior Writing Project (W)** Capstone experience for English-Writing majors, and a potential elective for Creative Writing minors. Requires thoughtful study of portfolio work and completion of an extensive, ambitious new project that is both a logical extension of the student’s work and a new challenge. The course will be multi-genre, with an emphasis on feedback and support. Prerequisites: At least one ENGL 300-level writing course and junior or senior standing, or permission of instructor. *Offered annually.*

## **Journalism**

**JOUR 211 Writing for Media (W)** Fundamentals of communication for today’s media, with an emphasis on crafting well-researched stories that feature clear, concise, and engaging writing, whether for traditional newspapers and magazines, blogs, new media, or corporate and nonprofit publications. *Offered annually.*

**JOUR 212 Opinion Writing (W)** Background, theory, and practice in editorial writing, as well as the composition of book, theater, and film reviews. Prerequisite: ENGL 211 or consent of instructor. *Offered in alternate years.*

**JOUR 213 New Media** Americans are becoming increasingly dependent upon social media for their news. This course will introduce students to the fundamentals of social/new media for journalists, including (but not limited to) research techniques, professional responsibilities, best practices, and storytelling across multiple platforms. *Offered in alternate years.*

**JOUR 315 Public Relations and Strategic Communication** An advanced communication course that introduces students to sound practices in public relations and strategic internal/external communication, with an experiential learning component that requires students to work with a local non-profit or small business to conceive, propose, and implement a public relations plan that addresses expressed needs. *Offered in alternate years.*

**JOUR 325 Feature Writing and In-Depth Reporting (W)** Feature writing and investigative reporting for print journalism. Field trip(s) and real-world assignments, with an emphasis on publication. Prerequisite: ENGL 211 or 212 or consent of instructor. *Offered in alternate years.*

## **Internships**

**335 Internship in Professional Writing** Offered in cooperation with an off-campus firm, business, institution, agency, department, station, etc. Attention is given to the student’s special interests. Consent of instructor and the off-campus supervisor is required. Enrollment limited to English majors. Only one internship may be counted toward the major. *Offered each semester and May Term.*

**JOUR 397 Internship in Editing and Publishing** This internship provides students with an opportunity to gain work experience in positions that emphasize editing, design, marketing, and other aspects of publishing and public relations. Consent of instructor and the off-campus supervisor is required. *Offered each semester.*

## ENVIRONMENTAL STUDIES

*Wilson, Jahiel, and affiliated faculty (Engen, Fuist, Harper, Jaggi, Kunce, Lehr, Mohan, Munro, Reissenweber, Rushlow, and Simeone)*

Environmental Studies addresses a broad range of issues concerning the relationship of human beings with the natural world. Understanding these issues requires that knowledge from diverse disciplines be brought together, and new modes of thinking be developed. At Illinois Wesleyan, the Environmental Studies Program is designed to provide students with a basic knowledge of the scientific concepts, the societal factors – cultural, political, and economic – and the ethical dimensions behind environmental issues. The program includes both inter-disciplinary courses and courses that address environmental issues from a variety of disciplinary perspectives, and offers both a major and a minor degree. Students majoring in Environmental Studies choose one of three concentrations: Ecology; Global Sustainability, Policy and Justice; and Nature and Society. All concentrations prepare students to pursue graduate education or employment in a range of environmental fields, including but not limited to environmental science, environmental policy or law, or international sustainable development.

A student who wishes to pursue a disciplinary major, but would like to supplement their education with coursework on the environment, should consider pursuing an Environmental Studies Minor. All students seeking an Environmental Studies degree should consult with the Program Director early in their studies to determine which course of study is most appropriate for achieving their desired goals.

### ***Requirements for All Concentrations:***

A minimum of 11 courses (at least four of which are at the 300-level or above) to include the following core and concentration requirements:

#### A. Core Requirements:

1. *Society and environment requirement:* ENST 100: Environment and Society
2. *Ecology requirement:* specified below per chosen concentration
3. *Earth science requirement:* ENST 230: Earth Systems Science
4. *Ethics requirement:* either ENST 365: Ethical Dilemmas in Environmental Politics or PHIL 301: Ethics and the Environment
5. *Methods requirement:* specified below per chosen concentration
6. ENST 480: Senior Seminar: Creating a Sustainable Society

#### B. Concentration Requirements

Five courses selected to complete the requirements specified below for one of the three concentrations to the major (Ecology; Global Sustainability, Policy, and Justice; or Nature and Society).

It is recommended that all majors study abroad.

No more than one internship (ENST 397) may be used to fulfill the requirements for the major.

Students who complete an Environmental Studies major cannot also complete an Environmental Studies minor.

**Students should check required prerequisites for courses indicated by an asterisk (\*).**

**Requirements for the Minor:**

A minimum of 6 courses (at least two of which are at the 300-level or above) to include the following:

1. ENST 100: Environment and Society
2. ENST 230: Earth Systems Science or ENST 120: Ecology and Environmental Problems
3. ENST 397: Internship or ENST 480: Senior Seminar: Creating a Sustainable Society, taken in the junior or senior year.
4. Three additional courses from the list of Environmental Studies courses listed under the Environmental Studies Electives List below, as well as: ENST 200: Introduction to Geographic Information Systems.

It is recommended that students pursuing a minor take an introductory environmental ethics course (ENST/PSCI 365: Ethical Dilemmas in Environmental Politics or PHIL 301: Ethics and the Environment).

No more than one internship (ENST 397) may be used to fulfill the minor requirements.

**ENVIRONMENTAL STUDIES ELECTIVES LIST**

***Natural Science Electives***

ENST 115/PHYS 120: Energy and Society  
ENST/CHEM 130: Chemistry of the Environment  
ENST/CHEM 135: Water Quality  
ENST/CHEM 138: Better Living Through Green Chemistry  
ENST 231: Environmental Science in Action  
ENST/CHEM 234: Environmental Chemistry and Toxicology  
ENST 240: Health and the Environment  
ENST 241: War on Cancer: Does Environment Matter?  
ENST 242: Toxic Threats to Reproduction and Child Development  
ENST 300: Applied Geographic Information Systems  
ENST/BIOL 318: Field Ornithology\*  
ENST/BIOL 321: Conservation Biology and Restoration Ecology\*  
BIOL 322: Herpetology\*  
BIOL 324: Principles of Ecology\*  
ENST/BIOL 329: Stream Ecology\*

***Humanities and Social Science Elective:***

ENST/HIST 248: American Environmental History  
ENST/PSCI 260: American Environmental Politics and Policy  
ENST/PSCI 262: Global Environmental Sustainability and Asian Development  
ENST 274: Peoples and Cultures of East Africa  
ENST 276: Native Americans and the Environment  
ENST/ANTH 288: Consuming Passions: The Anthropology of Food  
ENST 300: Applied Geographic Information Systems\*  
ENGL 320: Fiction and Field Study\*  
ENST/PSYC 355: Psychology and the Environment  
HIST 360: Modern Brazil  
ENST/PSCI 361: Globalization and the Environment

ENST/PSCI 362: Global Sustainability and Asian Development  
ENST/PSCI 363: Global Responses to Climate Change  
ENST/SOC 367: Environmental Sociology  
ENST/ECON 370: Environmental and Natural Resources Economics

**Common Substitutions**

*(All require approval of ES advisor and Program Director):*

ENST 250: Directed Readings in Environmental Studies  
ENST 270: Special Topics  
ENST 275: Experimental Course in Environmental Studies  
ENST 370: Special Topics  
ENST 375: Experimental Course in Environmental Studies  
ENST 397: Internship\*  
ENST 450: Independent Study\*  
ENST 451: Independent Research and Writing\*

**CONCENTRATIONS IN THE MAJOR**

**ECOLOGY** (Advisors: Harper, Wilson)

A. Students concentrating in Ecology must complete the following ES core requirements, in addition to those core courses listed above for all concentrations:

**Ecology requirement:** BIOL 324: Principles of Ecology\*

**Methods requirement:** BIOL 323: Biostatistics and Experimental Design\*

B. Students concentrating in Ecology must additionally complete the following requirements:

ENST 200: Introduction to Geographic Information Systems  
ENST/BIOL 321: Conservation Biology and Restoration Ecology\*

**Two Ecology Electives from the following:**

BIOL 216: Introduction to Evolution\*  
ENST/CHEM 234: Environmental Chemistry and Toxicology  
BIOL 306: Plant and Fungal Diversity\*  
BIOL 314: Microbiology\*  
ENST/BIOL 318: Field Ornithology\*  
BIOL 319: Biology of Invertebrates\*  
BIOL 322: Herpetology\*  
BIOL 327: Experimental Ecology\*  
ENST/BIOL 329: Stream Ecology\*  
BIOL 345: Behavioral Ecology\*  
ENST/BIOL 350: Tropical Ecology\*

**One course from the Humanities and Social Science Electives list above.**

*Substitutions may be made from the list of Common Substitutions (above), as well as:*

MATH 400: Mathematical Modeling\*, with approval of ES advisor

Depending on their career interests, and in consultation with their concentration advisor, students should consider taking CHEM 201, 202, 311 and 312; and PHYS 105 and 106



**GLOBAL SUSTAINABILITY, POLICY, AND JUSTICE** (Advisor: Jahiel)

- A. Students concentrating in Global Sustainability, Policy, and Justice must complete the following ES core requirements, in addition to those core courses listed above for all concentrations:

**Ecology requirement:** ENST/BIOL 120: Ecology and Environmental Problems

**Methods requirement:** One course from the following:

- ENST 200: Introduction to Geographic Information Systems
- SOC 225: Methods of Social Research
- ECON 227: Statistics for Business and Economics
- PSYC 227: Statistics
- ENST 300: Applied Geographic Information Systems
- BIOL 323: Biostatistics and Experimental Design
- PSCI 392: Empirical Political Research

- B. Students concentrating in Global Sustainability, Policy, and Justice must additionally complete the following requirements:

**US Requirement:** One course from the following:

- ENST/HIST 248: American Environmental History
- ENST/PSCI 260: American Environmental Politics and Policy
- ENST/SOC 367: Environmental Sociology

**International Requirement:** One course from the following:

- ENST/PSCI 361: Globalization and the Environment
- ENST/PSCI 362: Global Sustainability and Asian Development
- ENST/PSCI 363: Global Responses to Climate Change

**Economics/Development Requirement:** Once course from the following:

- PSCI 326: Globalization and Development
- ENST/ECON 370: Environment and Natural Resource Economics

**Environmental Justice Requirement:** One course from the following:

- ENST/PSCI 260: American Environmental Politics
- SOC 340: Social Movements and Politics in the U.S.
- ENST/PSCI 362: Global Sustainability and Asian Development
- ENST/SOC 367: Environmental Sociology

**Elective:** One course from the Environmental Studies Electives list

**NATURE AND SOCIETY** (Advisors: Jahiel, Wilson)

- A. Students concentrating in Nature and Society must complete the following ES core requirements, in addition to those core courses listed above for all concentrations:

**Ecology Requirement:** ENST/BIOL 120: Ecology and Environmental Problems

**Methods Requirement:** One course from the following:

- ENST 200: Introduction to Geographic Information Systems
- SOC 225: Methods of Social Research
- ECON 227: Statistics for Business and Economics
- PSYC 227: Statistics

ENST 300: Applied Geographic Information Systems  
BIOL 323: Biostatistics and Experimental Design\*  
PSCI 392: Empirical Political Research

B. Students concentrating in Nature and Society must additionally complete the following requirements:

**Natural Science Requirement:** Two courses from the list of Natural Science Electives or Common Substitutes (above).

**Social Science requirement:** Two courses from the list of Humanities and Social Science Electives or Common Substitutes (above).

**Exploration requirement:** Any course from the full list of Environmental Science Electives, or Common Substitutes, or any course with an ENST designation.

Nature and Society students are recommended to speak with their advisor about which courses will best fit their interests and professional aspirations.

**100 Environment and Society (AV)** Exploration of the relationship between human-kind and nature, designed to encourage critical thinking about the environmental predicaments of the twenty-first century, as well as to provide a theoretical foundation from which to evaluate the causes and possible solutions to these problems. Major theorists, ideas and schools of thought that have influenced environmentalism are discussed. *Offered annually.*

**115 Energy and Society (PSI) (Cross-listed with PHYS 120)** This course provides an introduction to the fundamental scientific principles governing the production, inter-conversion and transmission of various forms of energy, and the manner in which they interact with the environment, both on a local as well as on a global scale. Students will also apply this fundamental knowledge to specific and competing choices that can be made at the individual level and as a society, regarding energy options and energy policy. *Offered annually.*

**120 Ecology and Environmental Problems (LSI) (Cross-listed with BIOL 120)** Examination of major environmental concepts, problems, and possible solutions. Basic ecological principles will serve as a foundation for discussion of such issues as human population growth, resource extraction/depletion, loss of biodiversity, and pollution. *Offered annually.*

**130 Chemistry of the Environment (1.25) (PSL) (Cross-listed with CHEM 130)** A survey of chemistry principles with an emphasis on the application of these principles to environmental topics such as air and water pollution, global warming, and energy. Laboratory experiments may involve analysis of water from local stream and lakes and the analysis of vegetables for pesticide residue. *Offered annually.*

**135 Water Quality (PSI) (Cross-listed with CHEM 135)** Considered by some a fundamental human right, safe and plentiful drinking water is often unavailable in many parts of the world. We will explore the issues that affect water quantity and quality, such as climate, geochemistry, and pollution. We will also examine U.S. water policy through lecture and simulation. *Offered occasionally.*

**138 Better Living Through Green Chemistry (PSI) (Cross-listed with CHEM 138)** This course will introduce students to the principles of green chemistry with a special emphasis on environmental problems caused by toxic chemicals. The course will begin with an introduction to basic chemistry concepts related to the structure of atoms and molecules, and then get into a discussion of several case studies related to environmental problems, and how green chemistry can offer potential solutions. *Offered occasionally.*

**200 Introduction to Geographic Information Systems (GIS) (FR)** Master the tool used to plan cities, track endangered species, redraw congressional districts and head off

the spread of infectious disease. Join this class to gain skills in gathering geographic data, managing it, combining it, analyzing and in the end producing presentation-ready maps. *Offered annually.*

**230 Earth Systems Science (1.25) (PSL)** This course investigates our planet and the complex biogeochemical systems that connect the land, ocean, atmosphere and living things with one another. Topics include energy, climate change, oceans, the atmosphere, nutrient pollution and mineral resources. This course includes laboratory simulations of natural systems and student-designed experiments. *Offered annually.*

**231 Environmental Science in Action (1.25) (LSL)** Join this class and prepare to get dirty as we wade in streams, dig in soils and work in the laboratory to gather data about the environment. In this course we will test water and soil quality; learn to identify invertebrates and trees; and analyze biological community and spatial data. *Offered occasionally.*

**234 Environmental Chemistry and Toxicology (1.25) (PSL) Cross-listed with CHEM 234)** Starting from basic chemistry concepts, this class explores the many ways in which the natural world tries to poison us. We will study how contaminants move in the environment, how they enter the food web, and, ultimately, the harm they cause to individuals, populations, and communities. *Offered occasionally.*

**240 Health and the Environment (LSI, U)** Environmental factors are among the most important determinants of health status of individuals and communities. While great strides have been made in public health, new challenges have arisen with industrial pollution, environmental degradation and climate change. This course explores connections between modern environmental factors and health issues, such as asthma, cancer, and emerging infectious diseases, including disparities among vulnerable groups. *Offered occasionally.*

**241 War on Cancer: Does Environment Matter? (LSI)** Why is cancer epidemic in America? And what progress have decades of the War on Cancer brought us? This course looks at epidemiological and other evidence of changing cancer incidence and mortality. We investigate emerging research on causes of cancer, especially environmental triggers. Pathways to prevention are explored within a complex backdrop of politics, science, and culture. *Offered occasionally.*

**242 Toxic Threats to Reproduction and Child Development (LSI)** Humans and ecosystems in the United States and worldwide are regularly exposed to some 85,000 synthetic chemicals, most of which are poorly tested or untested for human health effects. This course will explore the effects of chemicals – such as heavy metals, pesticides, solvents, dioxins, PCBs, and endocrine disruptors – on reproduction and child development, and will look at intervention strategies to reduce toxic threats. *Offered occasionally.*

**248 American Environmental History (CHC, U) (Cross-listed with HIST 248)** Overview of American environmental history from pre-colonial days to the present. This course examines the relationship between social and ecological change, focusing on the impact of Native American societies, Western colonialism, and market forces on land-use patterns, biodiversity and the development of the contemporary environmental movement in the United States. *Offered in alternate years.*

**250 Directed Readings in Environmental Studies** Individualized directed reading on a topic of interest to the student which is not normally a part of the Environmental Studies curriculum. Prerequisite: consent of faculty supervisor prior to registration. *Offered occasionally.*

**260 American Environmental Politics and Policy (CSI) (Cross-listed with PSCI 260)** Basic introduction to the institutional and legal framework of contemporary American environmental policy and to environmental politics in the United States. Policy issues explored include water and air pollution, solid and hazardous waste, endangered

species and wilderness preservation, energy development, growth management, and environmental justice. *Offered in alternate years.*

**262/362 Global Environmental Sustainability and Asian Development (CSI, G) (Cross-listed with PSCI 262/362)** Home to 60 percent of the world's population, abundant biodiversity, and rapid economic growth, Asia is central to life on our planet. This course introduces students to Asia's ecosystems, geography, cultures, and political systems; it then focuses on how economic development trends in Asia are influencing environmental, social, and economic sustainability and affecting people both within Asia and globally. *Offered annually.*

**274 Peoples and Cultures of East Africa (CSI, G) (Cross-listed with ANTH 274)** Survey of select east African societies whose cultural adaptations to varied ecosystems make interesting case studies for comparative analysis. Reveals the diversity and the congruity of human social systems. *Offered occasionally.*

**276 Native Americans & the Environment (AV, U) (Cross-listed with ANTH 276)** Examines the values, principles, and laws that Native Americans use to conceptualize, define, and organize their relationships with the natural world. Students compare these ideas with their own understanding of the environment in written and oral assignments. Students interact with Native Americans, participate in Native American ceremonies, and spend time outdoors. *Offered occasionally.*

**288 Consuming Passions: The Anthropology of Food (G) (Cross-listed with ANTH 288)** Considers forms of human eating in historical and cross-cultural perspectives and their relationship to the environment. Examines various systems of subsistence, from hunting and gathering to horticulture to pastoralism, as well as the symbolic aspects of food choice. *Offered in alternate years, fall semester.*

**300 Applied Geographic Information Systems** Advanced study in geographic information systems (GIS), including techniques used to create weather maps, locate endangered species and generate efficient delivery routes. Spatial analysis, interpolation, cluster analysis, network analysis and field collection of data will all be studied. Includes individual projects in GIS. Prerequisite: ENST 200. *Offered in alternate years.*

**318 Field Ornithology (LSI) (Cross-listed with BIOL 318)** A general introduction to the biology, ecology and behavior of birds. Students will spend time practicing bird identification and observing bird behavior in the field. Local and regional field trips will be made to observe migrating and resident birds. No previous experience with birds is expected. Satisfies major or minor in Biology or Environmental Studies. Prerequisite: BIOL 101 and 102 or BIOL 107 and 108, or BIOL/ENST 120. *Offered alternate May Terms.*

**321 Conservation Biology and Restoration Ecology (1.25) (Cross-listed with BIOL 321)** Ecological principles and conservation law and policy will serve as a basis to assess human impacts on biological diversity and to develop practical approaches to prevent species extinction. Labs will involve students in applying restoration ecology principles and techniques in the field to restore local ecosystems. Prerequisite: BIOL 102 or 108. *Offered in alternate years.*

**329 Stream Ecology** An in-depth study of the physical and chemical characteristics of streams, and how those properties shape stream ecosystems. We will take a theory-centered approach to learning about stream systems and the ways in which humans have altered them. Special emphasis will be placed on comparing temperate and tropical systems. Prerequisites: BIOL 102 or 108. *Offered occasionally.*

**350 Tropical Ecology (LSI, G) (Cross-listed with BIOL 350)** Introduction to the ecosystems, animals, and plants of Costa Rica, including issues associated with the preservation of biodiversity and in the classroom. Prerequisite: BIOL 102 or 108; or BIOL/ENST 120; and consent of instructor. *Offered occasionally in May Term.*

- 355 Psychology & the Environment (1.25) (Cross-listed with PSYC 355)**  
 Students will apply psychological science to better understand (a) how humans impact the environment and (b) how the environment influences human well-being. To contextualize this work, students learn about several major environmental issues. Students conduct original research studies in the course laboratory. Prerequisites: 100 and 227 or 300, or permission of instructor. *Offered occasionally.*
- 360 Comparative Environmental Politics (CSI, G, W) (Cross-listed with PSCI 360)**  
 Examination of how different political-economic systems shape the environmental policy process and impact the environment. This course considers how party structure, mode of interest articulation, economic system and level of development affect environmental policy. Countries studied include the United States, Germany, former Soviet Union/Russia, China, India, Brazil and Nigeria. Recommended prerequisite: A course in either PSCI or ENST. *Offered in alternate years, spring semester.*
- 361 Globalization and the Environment (CSI, G) (Cross-listed with PSCI 361)**  
 Introduction to the international politics behind efforts to deal with tropical deforestation, ozone depletion, global warming, loss of biodiversity and transnational transfer of hazardous wastes. Actors, conferences, and accords involved in the international environmental policy process are discussed, with particular attention to different positions of industrialized versus developing countries. *Offered in alternate years, spring semester.*
- 362 Global Environmental Sustainability and Asian Development (CSI, G) (Cross-listed with PSCI 262/362)** See full course description in 262/362.
- 363 Global Responses to Climate Change (Cross-listed with PSCI 363)** This course examines from a comparative perspective the effects of climate change in five different countries on five different continents (North America, Europe, Africa, Asia, South America) and how different governments and peoples in these countries are responding to rapidly changing ecological conditions. *Offered in alternate years.*
- 365 Ethical Dilemmas in Environmental Politics (AV) (Cross-listed with PSCI 365)**  
 When can non-human claims trump human interests? Does humanism provide a coherent lens for resolving environmental issues? How do answers to these questions influence our answers to dilemmas in environmental politics such as how to weigh the value of biodiversity and whether to use cost/benefit analysis to evaluate and determine regulatory policy? Utilitarian, Kantian, Social Contract, and holistic theories are introduced as competing criteria for evaluating the risk of environmental harm caused by human development. *Offered in alternate years.*
- 367 Environmental Sociology (Cross-listed with SOC 367)** Course considers the complex intersection between humans and nature by offering an examination of sociological perspectives on the environment. Students will deepen their environmental knowledge on topics including: environmental inequalities, the treadmill of production, environmental impact on identity construction, and the role of social movements in the development of policies. *Offered in alternate years.*
- 370 Special Topics** An examination at the advanced level of selected environmental topics not covered in Environmental Studies courses. See current Program of Classes to determine if this course fulfills General Education requirements. *Offered occasionally.*
- 397 Internship** Students may arrange an internship with an environmental-related agency. Prerequisites: ENST 100 and 230 or 120, declared major or minor in Environmental Studies, junior or senior standing, and consent of both the supervising faculty member and the Environmental Studies director. *Offered each semester.*
- 450 Independent Study** Individual study in an area of interest relating to the environment. Student must devise a plan of study in cooperation with a supervising faculty member. Prerequisites: ENST 100 and 230 or 120, declared major or minor in

Environmental Studies, junior or senior standing, and consent of the supervising faculty member and the Environmental Studies director. *Offered each semester.*

**451 Independent Research and Writing (W)** Individual study in an area of interest relating to the environment. In cooperation with a supervising faculty member, student must devise a plan of research which includes a significant writing project. Student must present this preliminary research proposal to a faculty member in writing, and receive the faculty member's approval of the topic and consent to provide instruction in writing appropriate to the subfield of Environmental Studies. Prerequisites: ENST 100, 230 and 120 (or Biology 324), declared major or minor in Environmental Studies, junior or senior standing, and consent of the supervising faculty member and the Environmental Studies Director. *Offered each semester.*

**480 Senior Seminar: Creating a Sustainable Society (W)** A project-oriented course, in which students conduct professional research and writing in a real-world setting, and present their findings to the public. Acting as a consulting team, students bring together knowledge acquired in earlier coursework to tackle an environmental challenge in our community or in an overseas partner community. Prerequisite: Majors and minors with senior standing who have completed ENST 100, ENST/BIOL 120, and ENST 230 and at least two ES-approved courses at 300-level or above. Offered each fall.

NOTE: For courses which receive credit in the Environmental Studies Program but are not cross-listed as ES courses, course descriptions may be found under the appropriate departments.

## FINANCE

*Irons, Munenzon, Sun*

Lower-level (100-200) courses in the department are open to all students. Upper-level (300-400) courses in the department are open to students not majoring in finance with consent of the department head; a small percentage of seats in each class is reserved to accommodate such students, but such students should follow the department's closed course petitioning process. However, students not majoring in finance may take only one upper-level course in the department unless required to do so by a major outside the Department of Finance, or unless they receive permission from the department head.

IWU's Finance major is designed to produce articulate, well-informed, responsible graduates who learn finance in a liberal art setting. We emphasize critical thinking and communication, two skills that are essential to success in any financial field. At IWU, the program centered on application for real-world problems and culminating in multiple real-world experiences including investing actual money. The major in finance prepares students for entry-level positions in the field of finance, investments, and risk management. It also helps students develop the skills necessary to adapt to a changing and increasingly complex world. The study of finance is concerned with the management of money, investments, financial institutions, and analytical preparation for careers in a wide variety of profit-seeking business and not-for-profit agencies. See more at [www.iwu.edu/finance](http://www.iwu.edu/finance).

The increasingly quantitative character of modern business practice suggests that students elect additional mathematics beyond that required for the major, and students considering graduate work in business should take at least one semester of undergraduate calculus. For many students, one or

more computer science course may be appropriate. See the Computer Science section of this *Catalog* for course offerings.

Students seeking to matriculate into a major in finance should complete the following six courses by the end of their sophomore year: (1) Gateway Colloquium; (2) Mathematics 110, 176, or university credit for AP Calculus; (3) Economics 100: Introduction to Economics; (4) Economics 227: Statistics for Business and Economics; (5) Accounting 112: Accounting for Decision Making (I); and (6) Accounting 212: Accounting for Decision Making II. A grade of C- or higher must be earned in each of these courses. In addition, a student's cumulative GPA in these six courses must equal or exceed 2.50. No student wishing to major in finance will be permitted to enroll in any upper-level course in the department, except Business Law I, prior to meeting these requirements.

### ***Major Sequence in Finance:***

A minimum of 12 course units, to include

- 1) ACC 112, 212, BUS 331, 341, 355, 490, FIS 303, and 309
- 2) Four course units from ECON 311, 352, FIS 300, 304, 305, 306, 307, 308, 370, 409, and 455

Other courses outside the department that finance majors are required to complete:

- 1) Mathematics 110, 176, or university credit for AP Calculus
- 2) Economics 100
- 3) Economics 227

Finance majors may count no more than 2 non-required BUS courses toward the 18 courses outside their major department.

### ***Major in Quantitative Finance***

With the proliferation of extensive amounts of financial data across instruments and markets and new and more complex financial instruments, there is ever increasing need for thoughtful users of that data to evaluate such data and instruments to solve important financial issues such valuation of instruments, portfolio management and optimization, pricing of derivatives and risk management.

The core topics addressed by the major are:

- Valuation
- Financial modeling
- Portfolio management
- Risk management
- Ethics
- Applied mathematics
- Applied probability and statistics
- Algorithmic / computational thinking
- Communication (written and verbal)
- Data visualization
- Programming

A minimum of 14 courses to include:

#### **Finance**

- 1) FIS 303: Financial management
- 2) FIS 309: Investments

- 3) FIS 409: Portfolio Management
- 4) FIS 415: Quantitative Finance

**Math**

- 5) Math 176: Calculus I
- 6) Math 177: Calculus II
- 7) Math 324: Probability
- 8) Math 325: Mathematical Statistics

**Data Science**

- 9) CS 125/DS 125: Introduction to Computer and Data Sciences
- 10) DS 225: Data Analytics with Visualization
- 11) CS 377/DS 377: Applied Data Analysis

**Ethics**

- 12) CS 222-Ethics, Values and Issues in Cybertechnology
- 13) Two additional courses selected from the following list:
  - FIS 305-Financial Statement Analysis
  - FIS 306-Cases in Financial Modeling
  - FIS 308-Derivatives
  - FIS 411-Advanced Portfolio Management
  - FIS 413-Trading
  - Math 215-Linear Algebra
  - Math 340-Differential Equations
  - Math 403-Computation Data Analysis
  - Math 407-Numerical Methods
  - Math 451-Wavelet Analysis
  - CS 314-Database Systems
  - CS 338-Artificial Intelligence
  - CS 387-Deep Learning
  - ECON 301-Intermediate Microeconomics
  - ECON 302-Intermediate Macroeconomics
  - ECON 338-Time Series Analysis

***Minor Sequence in Finance:***

The minor in Finance is designed for students who are in disciplines other than Accounting, Business Administration, Finance, or Marketing. It offers students in non-business fields an opportunity to complement their major with the study of various finance topics. The Finance minor helps students create value in any type of business, non-profit, or government organization. The minor will broaden a student's learning experiences and professional opportunities by providing training in financial topics and analysis.

A minimum of six courses to include:

- 1) ACC 112: Accounting for Decision Making I
  - FIS 303: Financial Management
  - ECON 227: Statistics for Business and Economics
- 2) Three additional courses selected from the following list:
  - FIS 305: Financial Statement Analysis
  - FIS 306: Cases in Financial Modeling
  - FIS 308: Derivatives



- FIS 309: Investments
- FIS 409: Portfolio Management
- FIS 300: Seminar in Finance (may be repeated for different topics)
- FIS 370: Special Topics in Finance (may be repeated for different topics)
- FIS 304: Risk Management/Property-Liability
- FIS 307: Life/Health/Social Insurance

***Minor Sequence in Finance for Business-Related Majors:***

The minor in Finance for Business related majors is designed specifically for students majoring in business fields. The study of finance complements topics learned in each of these majors. A finance minor can give students important insights into valuation methods, portfolio management, corporate finance, financial analysis, financial planning, and other topics. The finance minor will explain how the use of financial statements reflect all major business activities and represent a business to the broader world.

A minimum of five finance and economic courses chosen from the following:

- 1) FIS 303: Financial Management
- 2) FIS 304: Risk Management/Property-Liability Insurance
- 3) FIS 305: Financial Statement Analysis
- 4) FIS 306: Cases in Financial Modeling
- 5) FIS 307: Life/Health/Social Insurance
- 6) FIS 308: Derivatives
- 7) FIS 309: Investments
- 8) FIS 409: Portfolio Management
- 9) ECON 311: Money and Banking
- 10) ECON 352: International Finance
- 11) FIS 370: Special Topics in Finance (may be repeated for different topics)
- 12) FIS 300: Seminar in Finance (may be repeated for different topics)

**FIS 200 Introduction to Risk Management and Insurance** Exploration of behavior under uncertainty. Overview of personal and corporate exposure to risk. Examination of tools used to manage risk. Investigation of current topics in risk management and insurance. *Offered each semester.*

**FIS 270 Special Topics** Courses treating specialized topics in accounting or finance. Two or more may be taken concurrently or repeated for credit if the topic matter is different. *Offered occasionally.*

**Note:** Successful completion of all foundation course requirements or consent of department chair is a prerequisite to all 300-400 level FIS courses unless the student is minoring in a business field or is required to take one of these courses in a major outside the department.

**FIS 300 Seminar in Finance** In-depth study of selected topics in finance. Topics vary according to student and faculty interests. May be repeated for credit if the topic matter is different. Prerequisite: FIS 303. *Offered annually.*

**FIS 303 Financial Management** Nature and functions of finance, financial management, and relevant markets and institutions. Topics include financial analysis, time value of money, valuation, capital structure, and international issues. Prerequisite: ACC 112. *Offered each semester.*

**FIS 304 Risk Management and Property/Liability Insurance Seminar** In-depth study of managing organizations' and individuals' exposure to property damage and legal liability.

Analysis of issues in social and financial policy related to risk management and insurance, especially issues of government regulation. Prerequisite: FIS 200. *Offered in alternate years.*

**FIS 305 Financial Statement Analysis** Students will learn how professionals use financial statements, which reflect a company's performance and give clues about its future operations, its ability to repay debt, and the potential valuation of a share of stock. The emphasis is on the interpretation, rather than the construction, of financial statements. Prerequisite: ACC 212. *Offered each fall.*

**FIS 306 Cases in Financial Modeling** A case study class designed to teach the methods and uses of financial modeling. This Excel intensive class will reinforce and build upon the fundamentals of financial management learned in FIS 303, bridging the gap between theory and practice. Prerequisite: FIS 303. *Offered occasionally.*

**FIS 307 Life/Health/Social Insurance** Examination of public and private provision of protection against life span and health uncertainty. Focus on contemporary public policy issues, including health care reform and Social Security. Prerequisite: FIS 200. *Offered each semester.*

**FIS 308 Derivatives** Forward contracts, futures contracts and options are introduced. Discussions include how to use derivatives to hedge risk or speculative. Cases discuss strategic issues related to the abuse of derivatives in business. Students will construct investment positions using options to capture profits or minimize risk skills in an investment simulation. Prerequisite: FIS 303. *Offered in alternate years.*

**FIS 309 Investments** Principles of security analysis, valuation, and formulation of investment policy. Includes study of stocks, bonds, futures, options, mutual funds, and portfolio management. Prerequisite: FIS 303. *Offered annually in the fall.*

**FIS 360 Travel Seminar** A travel course designed to increase students' awareness and familiarity with the business practices, culture, politics, and values of different countries around the world. Students meet with business executives, educators, government officials, and visit various business organizations and cultural sites. Prerequisite: Consent of instructor. *Offered May Term occasionally.*

**FIS 370 Special Topics in Finance** Courses treating specialized topics in accounting, or finance at an advanced level. Two or more may be taken concurrently or repeated for credit if the topic matter is different. Prerequisite will depend on topic. *Offered occasionally.*

**FIS 395 Internship in Teaching** Intensive experience in assisting with the instruction of a specific course in business or economics. Assignments include researching, organizing, preparing, and delivering a small number of lectures in that class. Prerequisites: major in accounting or finance; completion of 22 or more course units; minimum of 3.25 GPA in major; consent of department head. *Offered each semester and May Term.*

**FIS 397 Internship in Industry** Not more than one course unit may be counted toward graduation requirements. May not be counted as general education credit or for the major or minor. Credit/No credit. Registration must be completed prior to the beginning of the internship. Prerequisites: Junior or senior standing and consent of instructor, minimum of six accounting, finance, business or economics courses. *Offered each semester and May Term. May also be taken in the summer for an additional tuition charge. See department head for specific requirements.*

**FIS 409 Portfolio Management (W)** Advanced study of investment research, security analysis, and portfolio performance analysis. Students manage a "real dollar" portfolio, proceeds from which are used to provide scholarships for IWU students. Prerequisites: FIS 303 or 309 or consent of instructor. *Offered annually in the fall.*

**FIS 411 Advanced Portfolio Management** This course will build on FIS 409 by expanding the use of asset classes used in the student-run fund and additional tools such as alternative assets including crypto currencies and fintech, hedging,

international investing and management interviews. Prerequisites: FIS 409. *Offered annually in the spring.*

**FIS 413 Trading** This course will build on concepts taught in FIS 309 and will apply them to developing discretionary and systematic trading strategies. We will also explore decision making biases that affect performance and participate in a trading competition. Prerequisite: FIS 309. *Offered annually in the spring.*

**FIS 415 Quantitative Finance** This course will study mathematical tools to solve a broad range of finance problems such as valuation of a company and its stock, portfolio optimization, fixed income management, and pricing of options. Prerequisites: MATH 176, ACC 112, and FIS 303. *Offered annually in the fall.*

**FIS 455 Independent Study** Individual Study directed toward a specific topic in finance. Prerequisite: consent of department chair. *Offered each semester and May Term.*

## FINE ARTS

**100 Arts and Artists** A course which will explore the nature of artistic purpose from the perspective of the creator, performer and perceiver. The course will be taught by, therefore focused through, the viewpoints of the artist in music, art and theatre arts. *Offered occasionally.*

**397 Arts Management Internship (1-4 course units)** Prerequisites: Consent of the appropriate fine arts director (art, music, theatre arts) one semester in advance of planned enrollment. *Offered as needed.*

## GATEWAY COLLOQUIUM

Gateway Colloquia are small, discussion-oriented classes designed to develop students' proficiency in writing academic and public discourse. Although each colloquium investigates its own issue or question, all focus on writing as a major component of intellectual inquiry. Students are expected to participate in discussion and to analyze, integrate and evaluate competing ideas so as to formulate their own arguments about an issue. Topics will vary by section. Students must complete a Gateway Colloquium by the end of the freshman year.

**100 Gateway Colloquium** In keeping with the overall goals of the General Education program, in particular the goals of developing students' proficiency in writing and its use as a means of discovery and understanding, and of developing students' capacities in critical thinking, independence, and imagination through active learning, Gateway Colloquium seminars seek to: introduce students to the process of intellectual inquiry and develop students' critical thinking skills; develop students' ability to evaluate competing ideas and experiences; develop students' skills in the conventions and structures of presenting knowledge in written academic and public discourse, and in strategies for effective revision; engage students in learning activities that prepare them for academic life in the University. Current listings will be available for entering freshmen at the time of orientation and registration. *Offered each semester.*

## GEOLOGY

Geology is the scientific study of the solid earth, including interactions with the surrounding air and water. In addition to its academic nature, geology has applications ranging from site selection, hazard estimation and mitigation, to exploration and production of water, fuels, ores, gems, and building materials.

The aim of the geology courses is to teach students from all disciplines not only about earth processes and history, but also about the development

of scientific knowledge, including its strengths, weaknesses, and limitations; the origin of earth resources such as groundwater, ores, fuels, and soils and their present and past importance in society; and the geological reality and uncertainty underlying many social and political issues such as the availability of water resources and hazards of earthquakes. Geology is an integrative science that relies on physics, chemistry, and biology. Geology courses are taught assuming a general, high school knowledge.

**101 General Geology (1.25)(PSL)** A descriptive overview of rock-forming components and processes. Three hours lecture and two hours laboratory per week. *Offered occasionally.*

**110 The Geology of Southern Utah (1.25)(PSL)** An introduction to geologic processes, emphasizing those which have left their mark on Southern Utah. Travel to Utah to study geologic formations at Timpanogos Caves, and Zion, Bryce, Capitol Reef, and Arches National Parks. Lecture and Lab daily. Consent of instructor required. *Offered in May Term.*

## HEALTH AND PUBLIC HEALTH

*Kujath, Dodd, Hall, Hopkins, Kellar, Kerr, Kooken, R Emmert*

Health is a continuous balancing of the physical, emotional, social, intellectual, and spiritual components of an individual that contribute to well-being. The meaning of health to individuals and groups is shaped by societal norms and values and by the options and barriers to health within a society. Health education is a critical factor in determining one's own future as well as an essential part of a liberal arts education. Control over health is enhanced by knowledge about how multiple factors affect health. Health can be influenced by the availability and accessibility of health care services and by the need to accept responsibility for health on individual, societal, and global levels.

Health courses are designed for University students pursuing any field of study to prepare individuals to act knowledgeably as agents of self-care, to exercise decision-making as consumers of health care, and to understand health issues affecting a global society.

The Public Health major is an interdisciplinary program and will provide the knowledge and skills needed to contribute to local, state, national, and global public health initiatives in a wide variety of settings. The public health program adheres to Council on Education for Public Health standards and is firmly rooted in the scientific exploration of public health. The program will combine academic offerings from courses in the areas of English, Economics, Chemistry, Environmental Studies, Health, Political Science, Psychology and Sociology.

Students completing the major will complete a total of 12 courses and will take 7 courses from the Core Courses. Courses in the core provide foundations of public health, concepts of health and disease, and opportunities for promoting and protecting public health. Courses incorporate an understanding of the socioeconomic, cultural, behavioral, biological, environmental and other factors that impact human health and contribute to health disparities. At least 4 of the courses must be upper division (300 level) or higher. In addition, students will select one course from a category of classes focused around Population Health and Disease, two courses from the category of Measurement and Evaluation, one

course from a category of classes focused around Public Health Environmental Issues, and one course from a category of classes focused around Public Health Engagement and Policy Informed Action.

***Major Sequence in Public Health:***

The major in Public Health consists of a minimum of 12 courses, at least four of which must be upper division (300 level) or higher

**The Public Health Core**

- 1) HLTH 101: Introduction to Public Health (LSI, U)
- 2) HLTH 200: Epidemiology
- 3) HLTH 204/PSYC 204: Health Psychology
- 4) HLTH 280: Perspectives in Global Health (G)
- 5) JOUR 315: Public Relations and Strategic Communication
- 6) HLTH 340/PSCI 340: Program Planning and Evaluation (W)
- 7) HLTH 490: Practicum
- 8) **Population Health and Disease** (*Choose one of the following*):
  - HLTH 310: Special Topics\*
  - HLTH 350: Drug Abuse
  - HLTH 351: Abuse in America
  - PSYC 353: Mental Health and Aging
  - SOC 305: Medical Sociology
- 9) **Measurement and Evaluation**
  - Choose one of the following courses in Statistics:*
  - PSYC 227: Statistics
  - ECON 227: Statistics for Business and Economics
  - Choose one of the following courses in Research Methods:*
  - PSYC 300: Research Methods
  - SOC 225: Methods of Social Research
- 10) **Public Health Environmental Issues** (*Choose one of the following*)
  - ENST 200: Intro to Geographic Information Systems
  - ENST 231: Environmental Science in Action
  - ENST/CHEM 234: Environmental Chemistry and Toxicology
  - HLTH 310: Special Topics\*
  - PSYC 355: Psychology and the Environment
  - SOC 367/ENST 367: Environmental Sociology
- 11) **Public Health Engagement and Policy Informed Action** (*Choose one of the following*)
  - SOC 201: Social Problems
  - PHIL 225: Medical Ethics
  - PSCI 201: Law and Politics in States and Communities
  - PSCI 281: American Social Policy
  - PSCI 282: American Health Policy
  - HLTH 310: Special Topics\*
  - SOC 340: Social Movements and Politics in the US
  - PSCI 398/SOC 398: Grant Writing
  - SOC 362: Social Welfare and Human Services

\*Students will need approval from the program director for any courses marked with an asterisk.

A Health minor as well as a Public Health minor are also available. The Health minor places emphasis on the individual's understanding of health issues and self-care practices and choices. This latter focus is consistent with a philosophical view of health espoused by the School of Nursing and Health Sciences faculty. While an emphasis is placed on the individual's personal lifestyle, a view of the importance of health at the societal level is also addressed.

***Minor Sequence in Health:***

This Health minor consists of a minimum of five course units, including:

- 1) One course unit from the following: Psychology 100, 253; Sociology 305;
- 2) All of the following: Health 280, 300, 330
- 3) At least one course unit from the following: Health 230, 297, 301, 310, 350, 351, 370, 397.

***Minor Sequence in Public Health:***

This interdisciplinary program will provide the knowledge and skills needed to contribute to local, state, national, and global health initiatives in a wide variety of settings. The public health program adheres to Council on Education for Public Health standards and is firmly rooted in the scientific exploration of public health. The program will combine academic offerings from courses in the areas of chemistry, environmental studies, health, political science, psychology, and sociology.

Students completing the Public Health minor will complete a total of 6 courses and will take 3 core courses from the Public Health Major. These core courses provide an understanding of the foundations of public health.

Courses within the curriculum incorporate an understanding of the socioeconomic, cultural, behavioral, biological, environmental and other factors that impact human health and contribute to health disparities.

Students will select three additional courses among the following categories:

**Population Health and Disease:** This category focuses on concepts of population health, and the basic processes, approaches, and interventions that identify and address the major health-related needs and concerns of populations. The courses explore the underlying science of human health and disease including opportunities for promoting and protecting health across the lifespan.

**Public Health Environmental Issues:** This category focuses on courses that provide a foundation of environmental factors that impact human health and contribute to health disparities, including the roll of advocacy and justice in environmental health.

**Public Health Engagement and Policy Informed Action:** This category focuses on courses that either provide a foundation to understand and leverage policy or an experiential opportunity to enact change, advocacy, and justice in public health settings. Measurement and Evaluation: This category focuses on courses that provide a foundation of statistical and/or research skills to prepare students for research in any public health field.

The Public Health minor consists of a minimum of six course units, including:

- 1) **Core Courses (all three required):** HLTH 101, HLTH 200, HLTH 280

Elective courses (choose any three courses from the complete list of courses below, with at least two at the 300-level or above. Students are required to select the three courses from at least two of the categories listed below)

- 2) **Population Health and Disease:** ENST 242; HLTH/PSYC 204, HLTH 310\*, 350, 351; PSYC 353; SOC 270\*, 305, 370\*
- 3) **Public Health Environmental Issues:** CHEM/ENST 234, ENST 200, 231, 367; ENST/PSYC 355; ENST/SOC 367
- 4) **Public Health Engagement and Policy Informed Action:** HLTH 310\*, HLTH/PSCI 340; PHIL 225; PSCI 201, 281, 282; PSCI 398/SOC 398; SOC 201, 340, 362
- 5) **Measurement and Evaluation:** PSYC 227 or ECON 227, SOC 225 or PSYC 300

\*Students will need approval from the program director for any courses marked with an asterisk

**The following is a list of all Health and Public Health courses:**

**101 Introduction to Public Health (LSI, U)** Concepts including population-based tools for evaluation and promoting health, trends in mortality and burden of disease, health disparities among vulnerable groups, and strengths or limitations of U.S. health care and public health systems. Lessons from past, current and emerging public health issues will be examined. *Offered at least annually.*

**200 Epidemiology** Often called “the chief pillar of public health practice,” epidemiology is the study of the distribution and the determinants of diseases, health conditions, or events among populations and the application of that study to control health problems. By applying the concepts and theories learned in this course, students will better understand the practice of epidemiology and how it relates to public health programs and policies. *Offered annually.*

**204 Health Psychology (Cross-listed with PSYC 204)** Health Psychology examines how psychological, social, and biological factors influence health and illness. The course provides an introduction to key areas of health psychology including stress and coping; psychosocial influences and determinants of health, pain, illness, and injuries; health disparities; nicotine and substance use; eating and exercise behaviors; and health-promoting behaviors, interventions, and prevention. *Offered annually.*

**230 Human Nutrition (LSI)** Introduction to principles of nutrition that affect health promotion, health maintenance, and illness prevention throughout the life cycle. The nutritional requirements of individuals with special needs are also considered. *Offered at least annually.*

**252 Independent Study** Individual study, on the topic of special interest related to health or healthcare under the guidance of faculty. May include observational experience on-campus, in the community, or in another country related to the chosen topic. Students must register with a specific instructor. May be taken in more than one semester, but limited to two course units. Prerequisite: Permission of the Director, School of Nursing and Health Sciences. *Offered each semester.*

**280 Perspectives in Global Health (G)** Explores global health issues across different world regions, including measures of health status, burden of disease, and health disparities. Analyzes cultural, economic, and political influences on health practices, public health, and healthcare systems. Investigates strategies to prevent and control disease and examines roles of key global health organizations. *Offered annually.*

**297 Internship in Health (.75 or 1)** Internship experience coordinated with academic, independent study is planned according to student interest(s). A variety of

settings in which health and health knowledge are leading factors in daily operations is available. Actual site selection is coordinated between the student and the Director of the School of Nursing or her designee. May be taken more than once semester but limited to two course units. Prerequisite: Consent of the Director of the School of Nursing and Health Sciences. *Offered each semester and May term.*

**300 Achieving Wellness: Issues and Choices** An analysis of those factors affecting individual control of health. Students explore self-care health principles of detecting illness, major threats to health and alternatives to care. Emphasis is placed on the wide range of options available to each individual, within and outside the traditional health care system, when making informed decisions regarding personal health. *Offered annually.*

**301 Stress Management** Emphasis upon understanding the body's physiological and psychological responses to stress, recognition of the manifestations of stress, and exploration of adaptive and maladaptive methods of coping with stress. *Offered occasionally.*

**310 Special Topics in Health** A group of courses exploring and analyzing current issues in health. Most examine the impact on the individual and society. Examples include Transcultural Healthcare in Hawaii (CHC, U) and Interdisciplinary Studies in Palliative Care and Gerontology (AV). See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally in May Term.*

**323 Medical Mystery Tour (IT, G)** Through historic writings, current scientific literature, exploration of related artwork, and visits to key historic sites in London, students will investigate the evolution of "evidence-based practice" in healthcare, and explore how British society has responded to and provided for advances in healthcare to issues such as war-related traumatic injury, end-of-life care, mental illness, and public health response to epidemic disease. *Offered in May Term.*

**330 Human Sexuality (AV)** Investigation and evaluation of knowledge, attitudes, and values pertinent to issues in human sexuality. The course focuses upon personal, interpersonal, ethical, and medical aspects of sexuality throughout the life cycle. *Offered at least annually.*

**340 Program Planning and Evaluation (W) (Cross-listed with PSCI 340)** This course serves as an introduction to the essential competencies involved in the planning, monitoring, and evaluation of public health programs. Coursework combines needs assessments, research methods, proposal writing, budgeting, project management, and program outcome evaluation. It supports students interested in work in the non-profit as well as the public sector. *Offered annually.*

**350 Drug Abuse: The Individual and Society (AV)** Exploration of the physiological, psychological, and sociological implications of drug use and addictive behavior on the human body, family, and society. The focus is on analyzing ethical issues related to drug use in society and identifying knowledge, attitudes, and values affecting individual choices. *Offered occasionally.*

**351 Abuse in America (AV, W)** This course is a study of abuse, utilizing a theoretical framework to examine the societal norms and values that influence the pervasiveness of child abuse, intimate partner violence, sexual assault, elder abuse, and human trafficking. This course focuses on the manifestations of abuse and treatment of the victim and the abuser, as well as prevention and resolution of abuse. *Offered occasionally.*

**352 Independent Study** In-depth examination on a topic of special interest related to health or healthcare under the guidance of faculty; including completion of a scholarly paper or project approved by the supervising faculty. May include observational experiences on-campus, in the community, or in another country related to the chosen topic. Students must register with a specific instructor. May be taken in more than one semester, but limited to two course units. Prerequisite: Permission of the Director of the School of Nursing and Health Sciences. *Offered each semester.*



**370 Women's Health** An exploration of various health issues that are either unique to women or of special significance to women of all ages will be examined using current research findings. Culture, ethnicity, and socioeconomic status factors influencing women's roles as consumers/providers of health care in the United States will be explored. *Offered occasionally.*

**397 Internship in Health (.75 or 1)** Internship experience coordinated with academic, independent study, is planned according to student interest(s). A variety of settings in which health and health knowledge are leading factors in daily operations is available. Actual site selection is coordinated by the Director of the School of Nursing or her designee. A project/paper is required. May be taken more than one semester but limited to two course units. Prerequisite: Consent of the Director of the School of Nursing and Health Sciences. *Offered each semester and May Term.*

**452 Independent Study** Individual research and study in an area of special interest related to health or healthcare. The student must devise the study project in conjunction with faculty. Prerequisites: Senior standing and permission of the Director of the School of Nursing. *Offered each semester.*

**490 Health Practicum** The Health 490 Practicum course is a terminal course that will focus on the completion of an experiential learning project focused around typical work in the field of Public Health as determined by course faculty. The course will meet on a bi-weekly basis to cover project progress and essential pre-employment developmental skills. Prerequisite: senior standing. *Offered annually.*

## HISPANIC STUDIES

See World Languages, Literatures, and Cultures

## HISTORY

A. Schultz, Chambers, Coles, Culp, Horwitz, R. Schultz

History is by necessity interdisciplinary as historians seek to analyze and understand the diversity of human experience across time and space; to communicate clearly and accessibly about the past, which is an act of informing and preserving collective memory; and to develop the capacity to see matters from multiple points of view. As a discipline, History is unique, because it requires a sophisticated use of a variety of types of evidence and argumentation, with special attention to the contingency of human knowledge.

At Illinois Wesleyan, history majors often combine their love of history with study in a variety of other fields. Many of our history majors complete a second major or minor in these and other Liberal Arts disciplines or in one of the professional schools or programs. Our History majors are encouraged to follow their passions by combining knowledge from their majors, minors, General Education experiences, and where relevant, professional interests into a research-based Senior Capstone Project that is meaningful to their lives and purposeful for their professional interests. Students, in consultation with their advisors, chart their own paths through the curriculum, which culminates in a senior capstone project. This seminar (HIST 490) and the department's sophomore seminar (HIST 290) emphasize researching, analyzing, writing and verbal communication skills. These are indispensable skills required in many 21st-century professions, and they are essential for understanding the complex and changing world we live in. For these reasons, Historical studies at IWU emphasize the analytical and

communication skills that help prepare students for diverse careers in private US and international businesses; US and international non-profit organizations; law; journalism; state, local and federal governments; private and public education; the military; the ministry; and as entrepreneurs in fields such as entertainment, publishing, commerce and more. Although a majority of our graduates seek careers in fields beyond history, they maintain a passion for history throughout their lives. IWU History majors also successfully pursue careers as professional historians in education and in public history at museums and historical sites and agencies, and at state and federal historical societies, as well as at private auction houses like Sotherby's that deal in historical artifacts. Others may pursue careers as professional historians for businesses and private and non-profit organizations that hire historians to manage their records, publish monthly or quarterly bulletins, and write books about the company or organization. Regardless of the IWU History graduate's career path, many pursue MA degrees in museum studies, public history, and education, while others continue the studies to become documentary filmmakers, and some seek PhDs to become college professors and independent writers.

**Public and Applied History Pathway.** The History Department at IWU offers a Public and Applied History Pathway (PAH) for students interested in careers that bring history to life for a public audience. Students focus on debates in public history, including questions of history, memory, commemoration, and identify in the public sphere, as well as issues related to the presentation of public narratives of history (e.g., in textbooks, museums, documentaries, online). Within specifically designated courses, listed in the History Student Handbook, PAH students will apply their skills of historical analysis on the practice of public history – e.g., by curating physical and/or digital museum exhibits, by creating public history websites or blogs, by creating short documentary films, and/or by interning at historical sites and in museums and archives. In doing so, students will apply historical knowledge to address issues of contemporary relevance and will demonstrate, to those outside of academia, the importance of historical thinking for understanding issues in the contemporary world, as well as the nature of history as a process of continual re-interpretation. For students interested in documentary film-making, we strongly encourage a minor in Film Studies, or at a minimum FLM 330: Digital Videography. Students following this option may choose to create a senior project in Public and Applied History in History 490.

**Secondary Education.** Students who pursue teacher licensure to teach high school history/social studies courses double major in History and Secondary Education. For details, refer to the Educational Studies section in this *Catalog*, as well as the Teacher Education Handbook posted to the Educational Studies website ([www.iwu.edu/educational-studies/handbooks/](http://www.iwu.edu/educational-studies/handbooks/)). If you have any questions that are not answered in these sources, please contact the chairs of History and Educational Studies.

**Pre-Law.** Students interested in the law should consult the IWU pre-law website: [www.iwu.edu/pre-law](http://www.iwu.edu/pre-law).

### **Major Sequence in History:**

A minimum of 10 course units in History to include:

1. HIST 290: Theories, Methods, Crafting of History
2. HIST 490: Capstone Senior Seminar in History
3. Minimum of three (3) electives in History at the 300-level\*
4. One of the 10 courses must have a primary focus on history prior to 1800
5. No more than six courses may be focused on a single geographic region (e.g., US, Europe)
6. A non-credit bearing ARCHES ePortfolio that will be checked each semester during advising, and will be graded in History 290 and History 490.

\*Only one unit of History 397 (Internship in Public History) may count toward the major.

### **Minor Sequence in History:**

A minimum of five (5) courses in History:

1. HIST 290: Theory, Methods, Crafting of History
2. Two History courses at the 300 level
3. Two additional History courses at the 100, 200 or 300 level\*

\*HIST 250, 397 and 450 may not count toward the minor.

\*History minors may take HIST 490 as a sixth course in consultation with their advisor.

**100 Introduction to Chinese History (CHC, G)** A survey of Chinese society from ancient times to the present. Examines the premodern development of Chinese philosophy, arts, imperial state, and social structure. Also explores the decline of the Chinese empire, the impingement of Western imperialism, and subsequent efforts to strengthen China through reform and revolution. *Offered annually.*

**101 Introduction to Japanese History (CHC, G)** A survey of Japanese society from ancient times to the present. Examines the premodern development of religions, continental influences, the arts, and feudal society. Also explores the modern rise and fall of Imperial Japan, the postwar U.S. occupation, and the emergence of Japan as an East Asian economic power. *Offered in alternate years.*

**120 The Ancient and Medieval West (CHC)** A survey of Western Civilization from its origins in the ancient Near East, through Greece and Rome, to the late Middle Ages. Political history is balanced by social, cultural, and intellectual history with an emphasis on those elements which became part of the Western heritage. *Offered annually.*

**122 Modern Global History (CHC, G)** This course focuses on a selected number of topics to make clear the historical roots of the contemporary world. Such topics include: the nation-state, warfare and diplomacy, modern ideologies, and Western imperialism and its anti-Western response. Emphasis is on 20th century global affairs. *Offered annually.*

**144/344 Gilded Age, 1865-1900 (CHC, U)** An examination of the transformations in American life and culture from 1865 to 1900. Emphasizes the conflicts and contradictions of American life for various racial, ethnic, class, regional, and gender groups, focusing particularly on the new industrial city; the growth of commercialized leisure; the “civilizing” of the West; and African Americans in the New South. Students enrolled at the 300-level will complete a research project and prepare developmentally appropriate material for the 100-level students. Prerequisite for HIST 344: HIST 290 or permission of instructor. *Offered every other year.*

**150 Introduction to American Culture Studies (CHC, U)** This course examines the historical, literary, and material culture of the United States. Topics addressed in the course

may include specific events, discrete periods, or larger themes, but in each instance they will serve as significant case studies for understanding the multiplicity of the social and cultural lives of people in the United States, past and present. *Offered every year.*

**151 Colonial and United States, 1500-1876 (CHC, U)** Emphasizes slavery; forced and voluntary migrations; Spanish, French, English, Dutch Imperial power conflicts to 1776; economic development and impact on diverse peoples as three worlds of Indigenous, African and European peoples collide; social, economic and political developments in colonies, early Republic; war with Mexico, road to Civil War, Reconstruction; ideologies. *Offered annually.*

**152 United States, Development/Experiences 1877-Present (CHC, U)** Emphasizes Struggles for civil and voting rights, workers' rights, women's rights; economic development and its consequences associated with corporate reconstruction of American capitalism; Spanish-American War, World Wars I and II, Cold War; technologies' impact on society, culture(s), politics, social life; New Deal, Great Society, welfare state and its opponents.

**153 The First Progressives, US (CHC, U)** We study the first reformers who defined themselves as "progressive" while they created and used private and government organizations and agencies to intervene in social, economic, cultural and political life; they searched for order in response to the apparent irrational development of modern society and the economy. *Offered in alternate years.*

**154 Film and History, U.S. (CHC, U)** A study of American cultural history via the medium of film, and the birth and development of the motion picture industry from the early twentieth century to the present. We study a variety of US historical issues and how they are represented in American film in different historical contexts. *Offered in alternate years.*

**160 Latin America (CHC, G)** A survey of Latin American history from Columbus to the present that focuses primarily on Mexico and Argentina and addresses key historical issues: conquest, colonialism, independence, racial relations, dependency, economic development, urbanization, militarism, nationalism and relations with the United States. *Offered annually.*

**170 Studies in History** Courses designed to introduce the beginning student to the skills and challenges involved in the disciplined study of the past. Each course is an examination of a particular topic in history which will be announced in advance. May be repeated for credit when topic varies. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*

**202 World War II in the Pacific (CHC)** Explores the origins and consequences of Japanese militarism in Asia, 1931-1945. Examines domestic and international factors behind the war, assesses responses to Japanese expansion by East Asians, Southeast Asians, Americans, and the Japanese people themselves, and evaluates the use of nuclear weapons at war's end. *Offered occasionally.*

**210 Emperors and Revolutionaries: Chinese History Through Travel** May Term travel course hosted by the History Department at Peking University. Explores China from pre-historic to recent times, focusing on the imperial state and the Communist revolution. Visits historic locations in cities and countryside, including well-known sites and those off the beaten path. Lectures by top Chinese historians and interaction with Chinese students at PKU. Prerequisite: HIST 100, 300, or consent of instructor. *Offered occasionally, May Term.*

**212 Ancient Greece (CHC)** This course focuses on cultural and historical change in the Greek world beginning with the Bronze Age and continuing until the death of Alexander the Great (1300-323 BC). Emphasis is placed on the interconnection of Greek historical themes with literature, art, and architecture. *Offered in alternate years, Fall Term.*

**214 Ancient Rome (CHC)** Charts the political, social, and cultural development of the Roman state from the foundation of the city to the conversion of the emperor Constantine to Christianity (ca. 753 BC-AD 312). Emphasis will be placed on the

multiplicity of peoples and cultures that constituted the Roman state, religious experience and change, the evolution of political institutions, and the variety of sources necessary for our reconstruction of the Roman past, from the literary to the art historical. *Offered in alternate years, Fall Term.*

**216 The World of Alexander the Great (CHC)** Alexander the Great (356-323 BCE) conquered from Greece to India, creating the largest Mediterranean empire yet seen. This course examines contemporary politics, culture, and religion, with attention to the peoples Alexander encountered and his impact on the histories and cultures of both the east and west. *Offered in alternate years, spring semester.*

**217 Race, Gender and Ability in the Ancient World (AV, W)** Ancient concepts of law, freedom, and democracy shape Western values. But should Greek and Romans be role models for human rights and equality? This class examines ancient identity and citizenship as a foil for critiquing what rights people of different races, genders, sexual orientations, and abilities out to have today. *Offered alternate years.*

**221 The Holocaust (CHC)** The course seeks to understand the Holocaust and examines the process of extermination from its religious cultural antecedents through the war-time process of ghettoization, open-air mass execution, and the employment of gas in fixed chambers. Among sources examined are laws and directives emanating from the German bureaucracy, eyewitness testimony and memoirs of survivors from the ghettos and camps, and film. *Offered annually.*

**223 The Two World Wars** The course focuses on the diplomatic and military origins of these two global conflicts, war and the popular imagination, the soldiers' experience, the literary testimony of combatants and non-combatants, the effect of the wars on the status of women, mutiny and revolution, the American struggle with Japan, and the unleashing of war against civilian populations. *Offered occasionally.*

**241 The Great Depression in the United States (CHC, W)** The course is an in-depth study of the social, cultural, and political history associated with the economic crisis known as the Great Depression, 1929-1941. The emphasis is on thinking and writing about the issues prevalent in Depression America and the significant changes that resulted from the crisis. *Offered occasionally.*

**242 Colonial America (CHC, U)** Examines the establishment of colonies before the American Revolution, the development of diverse colonial societies, the transformation of life for all peoples and groups, and the interactions of diverse cultural and religious groups. The people we study include farmers, planters, merchants, craftsmen, witches, slaves, Native Americans, Puritans, Catholics, and Quakers. *Offered in alternate years.*

**244 History of American Feminisms (CHC, U)** This course will emphasize such topics as the 19th century women's movement and suffrage, radical and liberal feminism, and African-American feminism. We will pay particular attention to the diversity of women's experiences in the United States and to women's multiple and often conflicting responses to the fight for equal rights in relation to politics, work, family and sexuality.

**245 Individualism and Community in American History (AV, W)** Studies the tensions between individualism and community in American History regarding religion, business, politics, culture and the economy and nature. Examines the values of individualism and community embedded in these arguments. Explores the consequences of implementing the social and economic practices. *Offered occasionally.*

**246 "By Force, By Famine, and by Fabled Story": Irish Emigration to the U.S. (CHC, G)** Between 1815 and 1920, five and a half million Irish emigrated from Ireland to the United States. This emigration had an enormous impact on American society, of course, but it had just as significant an impact on Irish society, both demographically and culturally. In a two-week stay in Ireland at the Allihies Language and Arts Centre, Beara Peninsula, County Cork, students live with host families and study together the historical,

cultural, musical and literary impact of Irish emigration on both the Irish in Ireland and in the United States. *Offered occasionally in May Term.*

**247 American West (CHC, U)** An introduction to the history of the American West. Particular attention will be paid to the clash of peoples and cultures that resulted from territorial and economic expansion, the significance of ideas and myths about the frontier in American history, and the changing social relationships and patterns of land use that accompanied the economic development of the West. *Offered occasionally.*

**248 American Environmental History (CHC, U) (Cross-listed with ENST 248)** Overview of American environmental history from pre-colonial days to the present. This course examines the relationship between social and ecological change, focusing on the impact of Native American societies, Western colonialism, and market forces on land-use patterns, biodiversity and the development of the contemporary environmental movement in the United States. *Offered in alternate years.*

**249 Growing up in America, 1607-Present (CHC, U)** No aspect of American life is as shrouded in myths and misconceptions as the history of the family. This course examines childhood and family in American culture from the colonial era to the present, providing historical perspective and understanding regarding these primary institutions of American life. Though the course is roughly chronological, we will compare family structures across both time and space, examining the changing and divergent meanings of motherhood, fatherhood, and childhood through such sources as advice manuals, popular journalism, fiction, art, and film. *Offered in alternate years.*

**250 Special Project** A research project under the supervision of a member of the department on a topic mutually agreed upon. Prerequisite: Consent of instructor. *Offered as needed.*

**251 The Vietnam Wars (CHC)** Explores the origins, expansion, and repercussions of the Vietnam War (1945-1975) within the context of Vietnamese history. Uses film, interviews, and documents to examine this historical context and events of the war. Analyzes support for and resistance to war among the Vietnamese and American peoples. *Offered occasionally.*

**254 American Capitalism to 1900 (CHC, U)** We study the development of the capitalist economy; the emergence of social classes; how people representing different classes shaped and were shaped by historical developments like the corporate reconstruction of the capitalist system; the increasing social, economic, and cultural diversity that resulted; the impacts of technological change on people and the economy; the political battles over the nature of the capitalist system; and much more. *Offered as needed.*

**255 Museums: Making History Come Alive! (CHC)** Discover how museums are reexamining the theory, practices, and history of their institutions, which are facing tremendous challenges. This course explores the tensions between history and memory, internal missions and external audiences, tradition and entrepreneurship. Students learn how museums interpret collections through exhibits, tours, oral history, archives, film and digital media, living history, historic preservation, landscape conservation, heritage tourism, and fundraising. Museum visits and guest lecturers introduce career options that are available to students in history and related humanities disciplines. *Offered by arrangement.*

**257 Promised Lands: A Cultural and Literary History of the Great Migration, 1917-1970 (CHC, U) (Cross-listed with ENG 257)** Between 1917 and 1970, more than six million African-Americans departed the rural U.S. South seeking asylum, economic opportunity, and equality in the urban North. This "Great Migration", as scholars call this collective movement, reconfigured the demographics, politics, and culture of both regions. This course will explore the Great Migration through two disciplinary lenses – cultural history and literature – in order to reimagine the twentieth-century United States from an African-American perspective that descenders and denaturalizes

whiteness as an unspoken condition in this historical construction of American identity. *Offered in alternate years.*

**260 Spanish North America (CHC, G)** Explores the region that today comprises Mexico, Central America and the Caribbean from the conquest to the present. Examines major social, political and economic issues including: conquest and resistance; indigenous, European and African; economic development; and relations with the United States. *Offered occasionally.*

**270 Studies in History** Open to all students, these courses explore a specialized topic of historical study at an intermediate level, requiring focused and extensive reading but not necessarily a significant research project. May be repeated for credit when topic varies. Consult current *Program of Classes* to see if any particular course fulfills general education requirements. *Offered occasionally.*

**290 Theories, Methods, Crafting of History (W)** An introduction to philosophical and methodological debates in the profession of history, paying particular attention to the critical skills of the historian – including the analysis of primary sources, historiography, historical research and writing, critique, and historical argument. Open to History majors, History minors and pre-law students with consent of department chair. *Offered annually.*

**300 The Chinese Revolution (CHC, G)** Examines the conditions of 20th century China that gave rise to revolution and Communism. Uses fiction, documents, and film to explore the decay of Confucianism, the impact of imperialism, the plight of urban and rural areas, the rule of Chiang Kai-shek, the victory of Communism and “continuing revolution” under Mao Zedong, and the “reforms” of Deng Xiaoping. *Offered annually.*

**301 Modern Japan, 1800-Present (CHC, G)** Explores the fall of the feudal order and Japan’s emergence as a world power since 1868. Focus on the social impact of this political and economic transformation. Topics include “Restoration,” the state and democracy, dissent, militarism, war, the postwar “reinvention” of Japan by the U.S., and the rise to economic preeminence in Asia. *Offered in alternate years.*

**303 China: The Cultural Revolution (G)** Explores the tumultuous Cultural Revolution in China (1966-1976). Originally hailed as a progressive social experiment in education, health care, women’s rights, sports, and the work-place, the movement was later condemned for its fanaticism, violence, and vilification of intellectuals. Evaluates the complex issues and conflicting appraisals of the upheaval and assesses its impact on recent Chinese history. Prerequisite: HIST 100 or 210 or 300 or consent of instructor. *Offered occasionally in May Term.*

**305 Seminar In Asian History (CHC, G)** In-depth study of selected topics in Asian history. Emphasis on reading and discussion, with several short papers to facilitate reflection on the material. Prerequisite: One other course in Asian history, or consent of instructor. *Offered occasionally.*

**310 Cults in America (CSJ, U) (Cross-listed with REL 310)** A critical investigation of so-called “cults,” New Religious Movements, sects, and alternative spirituality formed over the past 150 years in the United States. Includes study of a wide range of phenomena, from millenarian groups to the New Age, and their purpose and place in contemporary society. *Offered in alternate years.*

**311 Art and Architecture of the Roman World (AR) (Cross-listed with ART 311)** This course follows the development of the forms and ideologies of Roman art from the republic to late antiquity. The issues to be discussed will include public and private and civic and religious art and architecture, urban planning, and the interaction of Roman art forms and provincial cultures in the forging of identity. *Offered occasionally.*

**318 Blood Rites and Mystery Cults (CHC) (Cross-listed with REL 318)** Ancient Roman religion was uniquely open to foreign influence while respecting its own customs. This course will examine how the Roman people demonstrated this quality as they

adopted or adapted new religious ideas and traditions from the beginnings of the Roman monarchy in 753 BCE to the fifth century CE. *Offered occasionally.*

**322 Love and Death in Freud's Vienna (CHC)** Simultaneously one of the most politically explosive and artistically creative urban centers in Europe at the turn of the 20th century, Vienna was a battleground of reaction and modernism. The course focuses on the leading intellectual and artistic movements of the day: Freud and psychoanalytic theory; modernism in art, architecture, and music; the drama of Schnitzler, and the creative insights of social criticism. *Offered annually.*

**325 Modern Germany (CHC, G)** A social, economic, and cultural history of Germany in the 19th and 20th centuries. Topics include the formation of national identity, Prussian ascendancy, the creation of empire, the role of women, the rise of the working class, war and revolution, and the refashioning of state, society, and culture after 1945. *Offered annually.*

**326 Modern Russia/Soviet Union (CHC, G)** A survey of Russian/Soviet history since 1861, emphasizing the collapse of the Tsarist regime, the Leninist and Stalinist revolutions, and problems in the Soviet Union and after. *Offered occasionally.*

**343 Migration, Ethnicity, and Race (CHC, U)** Survey of immigration in the 19th and 20th centuries. Focuses on the ways race, ethnicity, gender, class, and national ideals shaped the lives of immigrants during this period. Also explores the dynamic and creative ways that immigrants and ethnics have confronted and shaped American culture and society. *Offered in alternate years.*

**350 Women, Work and Leisure, 1890-1930 (CHC, U)** This course examines the transformation of ideas about women and gender roles at the turn of the century. Focuses on how women of all classes played a central role in changing these ideas and reshaping family, work, and leisure practices in the context of a rapidly changing industrial society. *Offered in alternate years.*

**351 Modern America, 1900-1945 (CHC, U)** Provides students with a firm foundation in the social, cultural, and political history of the early twentieth century. Topics include Progressive-era reforms, domestic "culture wars", home front during world wars, jazz age, Great Depression, birth of mass culture and motion picture industry. Analyze written texts, documentaries, films. *Offered in alternate years.*

**352 United States, 1945-Present: People, Power, Politics (CHC, U)** Study of the social, cultural, political, and economic changes that have transformed Americans' ways of life and foreign relations. Emphasized: demographic changes; immigration new technologies including television, computers, internet, world-wide web, smartphones, social media; civil rights and women's movements; continuing struggles for racial and gender equality; modern Presidency and Congress. *Offered every third semester.*

**353, 354 History of United States Foreign Relations (CHC)** The conceptual formulation of America's attitudes and actions in the world from colonial times to 1914; the United States as a world power since the First World War. Either semester may be taken separately. *HIST 353 offered each fall; HIST 354 offered each spring.*

**360 Modern Brazil, 1825-Present** An in-depth study of Brazilian history and culture from the independence period to the present. Brazil is the most populous Latin American nation with the world's eighth largest economy and fifth largest area. *Offered in alternate years.*

**370 Studies in History** Courses treating a specialized topic of historical study at an advanced research level. May be repeated for credit if the topic matter is different. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*

**380 Emperors and Revolutionaries: Chinese History Through Travel** Research section of a travel course to China, hosted by the History Department at Peking University,



covering the country's political history in both ancient and modern times. Students visit and study pre-historic, dynastic-era, and modern revolutionary sites throughout the country. Explorations include both famous historical sites and lesser-known but historically significant locations off the beaten track—all enhanced by discussions with Chinese scholars, students, and common people. Research conducted on changes in rural life since 1949. Prerequisite: HIST 100, 300, or consent of instructor. *Offered occasionally, May Term.*

**390 ARCHES: Archiving and Reflecting on the Course of Your History Education and Signature Experience (.25)** In consultation with a faculty advisor, students will document and reflect on one of four chosen History Pathways in a multi-year ePortfolio. The ePortfolio will culminate with a presentation of and reflection on the student's Signature Experience. Required each year or per semester as determined by the date of major declaration; repeated for a total of 1.0 course units, with a maximum of .25 allowed in any one semester.

**397 Internship in Public History** A work experience intended as an introduction to the field of public history. The exact activities will vary, depending on the abilities and interests of the intern and the needs of the organization. Possibilities include accessioning and cataloging artifacts; making calendars and inventories; preparing exhibits; conducting outreach programs; researching and writing; and collecting oral histories. This course is limited to students seriously interested in careers in public history. May be repeated for credit but only one unit of credit may count for fulfilling the requirements of the major. Prerequisites: HIST 290, and consent of departmental internship supervisor. *Offered as needed.*

**450 Special Project** A research project under the supervision of a member of the department on a topic mutually agreed upon. Prerequisites: HIST 290 and consent of instructor. May be repeated for a maximum of two course units. *Offered as needed.*

**490 Capstone Seminar in History (W)** Students review principles and methods of historical scholarship, producing a substantial original research project. Course assignments allow students to demonstrate their mastery of the key elements of historical endeavor: reading, research, writing, critique, and oral presentation. Open to History majors and minors, or by permission of instructor. *Offered annually.*

## HUMANITIES

*Diaz, Director*

Humanities courses expose students to major artistic, literary, philosophical, and religious works and familiarize them with the methods of inquiry used in the humanities disciplines. Studies in the humanities enable students to examine, appreciate, and understand intellectual, moral, and artistic traditions.

### World of Ideas

These courses are designed to increase students' awareness of basic human values – intellectual, social, literary, historical, ethical, and artistic—through an examination of the works and movements throughout history that both shaped and were shaped by Western thought. Attention is given to gendered voices that have accepted or rejected values and assumptions of their times. The courses move chronologically from antiquity to the present, but each course may be taken independently. Literature, art, film, music, and philosophy are examined in their cultural and historical contexts.

Students learn to draw parallels and make connections between disciplines, as they recognize the arbitrary nature of traditional disciplinary boundaries and distinctions. Humanities courses combine discussion and lecture and emphasize

the development of writing skills and critical and creative thinking. Students will understand and be able to define the term “humanities” from both a historical and a methodological perspective, as they reflect on the connections between the humanities and terms such as “intellectual traditions” and “liberal arts learning.” Students will be able to contextualize the place of humanistic inquiry within their educational goals. Students are encouraged to enroll in their first or second year.

***A Minor in Humanities:***

A Humanities minor helps students appreciate the value of languages, literatures, philosophy, religion, history, and art to all human pursuits. Students who minor in the Humanities will develop their critical and creative thinking skills, learn how to communicate in a variety of contexts and for a variety of purposes; and gain a deeper understanding of the traditions and innovations that shape human thought and achievement in all fields. Minors are particularly encouraged to meet regularly with their designated Humanities mentor (assigned by the coordinator of the Humanities program) to discuss values and skills acquired in the minor, how courses overlap and differ within the minor, how they relate to the student’s major, and how the skills and knowledge acquired in the minor can enhance opportunities as a student prepares for graduate school and/or the job market.

***Minor Sequence in Humanities:***

A minimum of six courses selected from Art History, English, French and Francophone Studies, Hispanic Studies, History, Humanities, Japanese Studies, Music History, Philosophy, Religion, and Theatre History.

- 1) Two courses from the World of Ideas sequence: HUM 101, 102, 103, and 104.
- 2) Three courses from the following programs: English, French and Francophone Studies, Hispanic Studies, Humanities, Japanese Studies, Philosophy, and Religion. (See complete list of approved courses below.)
- 3) One from the following programs: Art History, History, Literature and Culture, Music, Theatre, English, French and Francophone Studies, Hispanic Studies, Humanities, Japanese Studies, Philosophy, and Religion.
- 4) Two courses must be at the 300-level or above.
- 5) No more than one independent study may count toward the Humanities minor.

***Courses approved for the Humanities minor:***

**Art History**

- ART 115: Introduction to Art History (AR)
- ART 320: Global Modern Art (AR, G)
- ART 322: Global Contemporary Art (AR, G)
- ART 370: Special Topics in Art History

**English**

- ENGL 109: Poetry through Performance (LIT)
- ENGL 110: The Short Story (LIT)
- ENGL 115: Science Fiction (LIT)

**French and Francophone Studies**

- FREN 303: Introduction to Literature I: The Individual and Society (LIT)
- FREN 499: Independent Study

**Hispanic Studies**

SPAN 240: Spanish for Social Justice (U)

SPAN 307: Reading and Writing Culture (W, G)

SPAN 308: Introduction to Literature (LIT, G)

**History**

HIST 100: Introduction to Chinese History (CHC, G)

HIST 101: Introduction to Japanese History (CHC, G)

HIST 120: The Ancient and Medieval West (CHC)

HIST 122: Modern Global History (CHC, G)

HIST 144: Gilded Age: 1865-1900 (CHC, U)

HIST 151: Colonial and United States, 1500-1876 (CHC, U)

HIST 152: The United States, Development/Experiences, 1877-Present (CHC, U)

HIST 153: The First Progressives, U.S. (CHC, U)

HIST 154: Film and History, U.S. (CHC, U)

HIST 160: Latin America (CHC, G)

HIST 170: Studies in History

HIST 202: World War II in the Pacific (CHC)

HIST 210: Emperors and Revolutionaries: Chinese History Through Travel

HIST 212: Ancient Greece (CHC)

HIST 214: Ancient Rome (CHC)

HIST 217: Race, Gender and Ability in the Ancient World (AV, W)

HIST 221: The Holocaust (CHC)

HIST 223: The Two World Wars

HIST 241: The Great Depression in the United States (CHC, U)

HIST 242: Colonial America (CHC, U)

HIST 244: History of American Feminisms (CHC, U)

HIST 245: Individualism and Community in American History (AV, W)

HIST 246: "By Force, By Famine, and By Fabled Story": Irish Emigration to the U.S. (CHC)

HIST 247: American West (CHC, U)

HIST 248/ENST 261: American Environmental History (CHC)

HIST 249: Growing Up in America (CHC, U)

HIST 250: Special Project

HIST 251: The Vietnam Wars (CHC)

HIST 254: American Capitalism to 1900 (CHC, U)

HIST 257: Promised Lands: A Cultural and Literary History of the Great Migration, 1917-1970

HIST 260: Spanish North America (CHC, G)

HIST 270: Studies in History

HIST 300: The Chinese Revolution (CHC, G)

HIST 301: Modern Japan, 1800-Present (CHC, G)

HIST 303: China: The Cultural Revolution (G) (CHC, G)

HIST 311: Art and Architecture of the Roman World (AR)

HIST 318: Blood Rites and Mystery Cults (CHC)

HIST 322: Love and Death in Freud's Vienna

HIST 325: Modern Germany

HIST 326: Modern Russia/Soviet Union

HIST 343: Migration, Ethnicity, and Race (CHC, U)

HIST 350: Women, Work and Leisure, 1890-1930 (CHC, U)  
HIST 351: Modern America, 1900-1945 (CHC, U)  
HIST 352: United States, 1945-Present: People, Power, Politics (CHC, U)  
HIST 353: History of United States Foreign Relations (CHC)  
HIST 354: History of United States Foreign Relations (CHC)  
HIST 360: Modern Brazil, 1825-Present  
HIST 370: Studies in History  
HIST 380: Emperors and Revolutionaries: Chinese History Through Travel

### **Humanities**

HUM 270: Special Topics in the Humanities  
HUM 370: Special Topics in the Humanities

### **Japanese Studies**

JAPN 310: Studies in Literature and Humanities (to be taken abroad)  
JAPN 311: Studies in Social Science (to be taken abroad)  
LC 105: Special Topics in Japanese Literature in Translation (LIT)  
LC 202: From Atom to Akira: Japan's Pop Culture (LIT, G)  
LC 205: Language and Culture in Japan (CSI, G)  
LC 304: Cross-Cultural Communications: U.S. and Japan (AV, G)  
LC 308: Fashion and Lifestyle in Japan (CHC, G)

### **Literature and Culture in English Translation**

LC 165: Special Topics in Italian Literature in Translation (LIT)  
LC 170: Special Topics  
LC 260: Italian Cinema  
LC 265: Renaissance Italy (LIT)  
LC 270: Special Topics  
LC 370: Special Topics  
LC 377: Studies in Comparative Literature  
LC 380: Introduction to Literary Theory

### **Music**

MUS 164: The Gourmet Listener (AR)

### **Philosophy**

PHIL 102: Introduction to Symbolic Logic (FR)  
PHIL 103: Mind and World (IT)  
PHIL 105: Rights and Wrongs (AV)  
PHIL 106: God and Science (IT)  
PHIL 107: Introduction to the Philosophy of Natural Science (IT)  
PHIL 170: Special Topics  
PHIL 204: Introduction to Ethical Theory (AV)  
PHIL 205: What is Law? (AV, W)  
PHIL 209: Philosophy of Religion (IT)  
PHIL 213: Business Ethics (AV)  
PHIL 214: Philosophy of Education (AV)  
PHIL 224: Introduction to Social and Political Philosophy (AV)  
PHIL 225: Medical Ethics (AV)  
PHIL 230: Philosophy of Feminism (AV, U)  
PHIL 232: Philosophy of Race (U, W)

PHIL 268: Hume's Philosophy of Religion (IT, W)  
 PHIL 270: Special Topics  
 PHIL 300: Biology and Ethics (AV, W)  
 PHIL 302: Ethics and the Environment  
 PHIL 304: Ethical Theory (AV)  
 PHIL 305: Philosophy of Law (AV)  
 PHIL 307: Philosophy of Natural Science (IT, W)  
 PHIL 308: History of Ancient Philosophy (IT)  
 PHIL 309: History of Modern Philosophy (IT)  
 PHIL 310: Social and Political Philosophy (IT, W)  
 PHIL 311: Philosophy of the Mind (IT, W)  
 PHIL 340: Philosophy of Language (W)  
 PHIL 350: Knowledge, Belief, and Society (W)  
 PHIL 351: Metaphysics (W)  
 PHIL 351: Major Philosophers or Philosophical Movements (IT, W)  
 PHIL 356: Contemporary Ethics (AV, W)  
 PHIL 360: Advanced Symbolic Logic  
 PHIL 370: Special Topics  
 PHIL 380/381: Independent Study in Philosophy

### **Religion**

REL 106: Women, Religion, and Spirituality (CSI, G)  
 REL 110: Religions of the World (CSI, G)  
 REL 120: Introduction to Biblical Studies (IT)  
 REL 170: Special Topics  
 REL 210: Greek Myth and the Hero (IT)  
 REL 242: Philosophers Read the Bible (IT, W)  
 REL 246: Who is (not) a Jew? (IT)  
 REL 270: Special Topics  
 REL 310: Cults in America (CSI, U)  
 REL 318: Blood Rites and Mystery Cults (CHC)  
 REL 325: Lost Books of the Bible (IT, W)  
 REL 341: Religious Tolerance and Pluralism (AV)  
 REL 342: Judaism Through the Ages (IT, W)  
 REL 343: American Jewish Thought (IT)  
 REL 370: Advanced Topics in Religion  
 REL 450: Independent Study

## **HUMANITIES COURSES**

### **World of Ideas**

**101 World of Ideas: The Ancient World (IT)** Introduction to the great thinkers of the ancient world, including sacred and secular poetry and prose; and to ancient art and architecture. *Offered annually.*

**102 World of Ideas: 5th-16th Centuries (IT)** The history of an idea or theme from the Western Middle Ages through the Renaissance. *Offered annually.*

**103 World of Ideas: 17th-18th Centuries (IT)** The important works and movements of the two centuries leading up to the modern era. *Offered annually.*

**104 World of Ideas: The Modern Era (IT, G)** Important works and movements of the 19th, 20th, and the 21st centuries in their historical and cultural context. *Offered annually.*

**120 First-Year Humanities Fellows Seminar** This course will allow First-Year Humanities Fellows to learn through a wide range of experiences, including attendance at lectures, poetry and fiction readings, performances, and museum visits. Credit/No Credit. Prerequisites: C- in Gateway and consent of instructor. (0.5 unit) *Offered each spring.*

### **Special Topics in the Humanities**

**270** Courses under this heading are designed to explore a wide variety of topics in the humanities that are not covered under any other course number. All texts are in English. This course may be repeated if the subject matter differs. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*

**370** Advanced examination of topics in the humanities. All texts are in English. Work in original languages, if not English, is allowed, after consultation with the instructor. Prerequisite: Gateway Colloquium. This course may be repeated if the subject matter differs. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*

## **INTERNATIONAL AND GLOBAL STUDIES**

*Ferradáns*, Director

The International and Global Studies (IGS) Major is interdisciplinary in orientation; it is designed to bring the knowledge of several disciplines to address the world's most pressing problems. The IGS major advances the University's educational mission by preparing students to live and work as responsible global citizens in an increasingly interconnected, yet culturally diverse society plagued by systems of inequality and inequity. Given a world characterized by rapid, overlapping, complex, and sometimes conflictual flows of people, technologies, goods, money, and cultures, we must be able to place our lives and experiences in the context of this dynamic human community. To this end, the IGS program is designed to serve the educational and career needs of students who are interested in studying the relationships between global problems and regional dynamics, and who are planning careers in international business, education, journalism and media, or working with international agencies of the public and private sectors, international organizations, and foundations.

The International and Global Studies minors are designed for students who are interested in studying global and regional problems from an interdisciplinary perspective. It is recommended for students who would like to enhance or supplement their liberal arts or pre-professional major with an international background. Students can pursue one of two minors in either Asian Studies or International Relations and Global Development. At least two courses taken in each minor must be at the 300-400 level or equivalent.

The IGS program has three core learning goals:

- 1) Enrich students' comprehension and appreciation of the global human community through the analysis of transnational, international, or global phenomena;
- 2) Enlighten students about the lived experiences of people who occupy different parts of the globe, but who are connected to each other through

webs of ecology, history, communication, disparities of power, and at the same time the moral bonds of a common humanity;

- 3) Encourage students to think about the interconnectedness of our fates across the globe, and about their own place in a globalized world through a variety of analytical lenses.

***Major Sequence in International and Global Studies:***

A minimum of 9 courses to include the following (At least four of the courses must be at the 300-400 level):

- 1) International Studies 240: Thinking Globally: An Introduction.
- 2) International Studies 488: Senior Seminar
- 3) At least three courses selected from electives in Analysis of Global Systems, Structures, and Processes
- 4) At least three courses selected from electives in Analysis of Global Cultural Expressions
- 5) A supervised academic internship (INST 397 or Univ 398), or an independent research project (INST 450).

Students majoring in International and Global Studies will also show third-semester proficiency in a second language, and are encouraged to complete an off-campus study experience in and approved program.

Notes on the IGS major:

- (1) up to four courses, excluding INST 240 and INST 488, can be taken off-campus in an approved program;
- (2) up to one course focusing on the pre-modern world (before 19th century) may be counted towards the IGS major;
- (3) students taking a second language course beyond the third semester language sequence may count this course towards the IGS major (Japanese 202; Spanish 203 or 303);
- (4) students majoring in IGS cannot take a minor in the same concentration area as their major.

Students wishing to pursue Research Honors in International and Global Studies should enroll in INST 450: Special Project in the fall of their senior year, with consent of the IGS Director and the project faculty advisor.

***Asian Studies Concentration:***

Students majoring in International and Global Studies may choose to pursue a concentration in Asian Studies by:

- 1) Taking five courses focused on Asia and the Asia Pacific regions in fulfilling requirements (3) and (4) of the IGS Major with at least two Asia-related courses from each; and
- 2) Fulfilling a language proficiency: Japanese 202 or equivalent in a language other than Japanese appropriate to the student's study program. The Asian Studies faculty and the Director of the International & Global Program will determine when language proficiency other than Japanese will be appropriate within a student's program.

***International Relations and Global Development Concentration:***

Students majoring in International and Global Studies may choose to pursue a concentration in International Relations and Global Development by taking at least four of the following courses in fulfilling requirements (3) and (4) of the IGS major:

- Economics 351: International Trade (prerequisite of ECON 100)
- Economics 352: International Finance (prerequisite of ECON 100)
- Economics 355: Economics of Developing Countries
- International Studies 222: Introduction to International Human Rights
- Political Science 204/304: Transitional Justice
- Political Science 303: International Law and Organizations
- Political Science 316: Modern Political Thought: Liberalism and its Discontents
- Political Science/Enst 361: Globalization and the Environment

One of these courses might be substituted by an area-specific course such as PSCI 216, Politics in Africa; PSCI 217, Politics and Society in South Africa; HIST 221, The Holocaust; or HIST 325, Modern Germany.

***Minor Sequence in Asian Studies:***

Six courses including (at least two courses must be at the 300-400 level):

1. INST 240: Thinking Globally: An Introduction.
2. One Asia-related experiential learning experience (academic internship or off-campus study experience) approved by the IGS director.
3. Language proficiency: Japanese 202 or equivalent in another Asian language.
4. Three courses focused in the Asia and Asia Pacific areas.

***Minor Sequence in International Relations and Global Development:***

Six courses including (at least two courses must be at the 300-400 level):

1. INST 240: Thinking Globally: An Introduction.
2. One experiential learning experience (internship or off-campus study experience) approved by the IGS director.
3. Four courses focused on international relations taken from the electives in “Systems, Structures, and Processes.”

**Elective courses for the International and Global Studies Program**

A) Analysis of Global Systems, Structures, and Processes:

- ECON 351: International Trade (prerequisite of ECON 100)
- ECON 352: International Finance (prerequisite of ECON 100)
- ECON 355: Economics of Developing Countries
- HLTH 280: Perspectives in Global Health
- HIST 122: Modern Global History
- HIST 160: Latin America
- HIST 212: Ancient Greece
- HIST 214: Ancient Rome
- HIST 217: Race/Gender/Ability in the Ancient World
- HIST 221: The Holocaust
- HIST 223: The Two World Wars
- HIST/ART 311: Art and Architecture in the Roman World



HIST 316: World of Alexander the Great  
 HIST 322: Love and Death in Freud's Vienna  
 HIST 325: Modern Germany  
 INST 222: International Human Rights: An Introduction  
 INST 373: Education and International Development  
 PSCI 102: International Politics  
 PSCI 104: Multiculturalism and its Critics  
 PSCI 204/304: Transitional Justice  
 PSCI 215: Politics in Developing Societies  
 PSCI 216: Politics in Africa  
 PSCI 217: Politics and Society in Contemporary South Africa  
 PSCI 303: International Law and Organizations  
 PSCI 316: Modern Political Thought: Liberalism and its Discontents  
 PSCI 322: Politics of the European Union  
 PSCI 325: Conflict Areas of the Third World  
 PSCI 326: Globalization and Development  
 PSCI 345: International Political Economy  
 PSCI/ENST 361: Globalization and the Environment  
 PSCI/ENST 262/362: Global Environmental Sustainability and Asian Development  
 PSCI/ENST 363: Global Responses to Climate Change  
 REL 210: Greek Myth and the Hero  
 B) Analysis of Global Cultural Expressions:  
 ART 115: Introduction to Art History  
 ART 320 Global Modern Art  
 ART 322: Global Contemporary Art  
 ENGL 359: World Literature (taken abroad only)  
 ENGL 345: The Global Renaissance  
 HIST 217: Race/Gender/Ability in the Ancient World  
 HIST/ART 311: Art and Architecture in the Roman World  
 HIST 318: Blood Rites and Mystery Cults  
 HUM 101: World of Ideas: The Ancient World  
 HUM 102: World of Ideas: 5th -16th Centuries  
 HUM 103: World of Ideas: 17th - 18th Centuries  
 HUM 104: World Ideas: The Modern Era  
 INST 260/360: Contemporary Global Cinema  
 LC 105: Special Topics in Japanese Literature in Translation  
 LC 202: From Atom to Akira: Japan's Pop Culture  
 LC 205: Language and Culture in Japan  
 LC 222/SPAN 322: The New Spanish Citizen  
 LC 224/SPAN 334: Muslim Spain: the Rise and Fall of the Caliphate of Cordoba (912-1031)  
 LC 232/SPAN 332: Resisting Dictatorship: Spain and Chile  
 LC 241/SPAN 341: Don Quixote: The First Modern Novel  
 LC 244/SPAN 344: Dangerous Texts  
 LC 246/SPAN 346 Visual Cultures of Modern Spain  
 LC 251/SPAN 351: Identity and Alterity in Latino Literature  
 LC 304: Cross-Culture Communications: US and Japan

LC 308: Fashion and Lifestyle in Japan  
MUS 124: Life Soundtracks  
PHIL 224: Introduction to Social and Political Philosophy  
PHIL 309: Modern Philosophy  
PSCI 316: Modern Political Thought: Liberalism and its Discontents  
REL 210: Greek Myth and the Hero  
SPAN 203: Spanish as a World Language (taught in Spanish)  
SPAN 250: Business Spanish and its Cultural Context (taught in Spanish)  
SPAN 303: Communicating Across Cultures in the Spanish-speaking World (taught in Spanish)  
SPAN 307: Reading and Writing Culture (taught in Spanish)  
SPAN 308: Introduction to Literature (taught in Spanish)

### **INTERNATIONAL AND GLOBAL STUDIES COURSES:**

**222/322 International Human Rights: An Introduction (AV, G)** In this course, we will examine some of the basic theories that have defined the study of human rights and then explore issues involving rights violations as they involve mass violence, poverty, and inaccessibility to basic health care. We also investigate international efforts to redress human rights abuses such as the workings of truth and reconciliation commissions and international criminal courts. *Offered alternate years.*

**240 Thinking Globally: An Introduction (CHC, G)** An examination of the changing forces, processes, and dynamics that have shaped our world. It explores how the world is interconnected through complex flows of people, technologies, goods, money, and cultures, providing an interpretive framework and historical context to understanding globalization in our modern world. *Offered annually.*

**260/360 Global Cinema (IT, G)** This course is designed to compare and contrast examples of global cinema as a cultural practice that facilitates conversations about attitudes, philosophies, values, and lifestyles portrayed onscreen. The focus is on ideas, globalization or modernity for example, and how these ideas change over time. Course is taught in English; films are shown in their original version with English subtitles. A substantial research paper or project is required for INST 360. *Offered in alternate years.*

**270 Special Topic** An interdisciplinary course with variable content depending on the particular aspects of the international experience selected for study. Emphasis may be directed towards a country, region or theme. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*

**330 The Legacy of the Spanish Civil War (IT, G) (Cross-listed with SPAN 330)** This class explores the legacy of the Spanish Civil War (1936-39) analyzing the complex and nuanced relationship between history and memory, and how contemporary Spanish society has dealt with the historical trauma of the civil war, the dictatorship that ensued, and the negotiated transition to democracy in the late 1970s. *Offered occasionally.*

**370 Special Topic** An examination at the advanced level of selected international topics not covered in international studies courses. Course content varies depending upon the topic, which may be directed toward a country, region or theme. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*

**373 Education and International Development (CSI, G, W)** Throughout the world, enhanced educational opportunity has been viewed as an important means of improving people's lives. This assumption will be examined by analyzing educational policies in Asia, Latin America, and Africa. Specific topics that will be covered include literacy, student protest, and the educational treatment of girls, indigenous peoples, street children, child refugees, and child laborers. *Offered in alternate years.*

**397 Internship** Supervised experiential learning for students in International Studies. A substantial written project is required. Other requirements and placement to be specified in the internship learning contract. Course will not count towards the major or minor in International Studies. Prerequisites: Junior or senior standing and consent of Director of International Studies. *Offered as needed.*

**450 Special Project** A major original research project developed and implemented in consultation with a faculty mentor. Particularly appropriate for qualified students seeking to graduate with Research Honors. Prerequisite: Consent of Director of International Studies. *Offered as needed.*

**488 Senior Seminar (W)** An advanced analysis of a particular topic in international studies through a seminar format. Each student researches and writes a substantial paper which involves a detailed and original examination of an international issue or which focuses on a country or region. *Offered annually.*

## STUDY ABROAD PROGRAMS

Please see page 272.

## JAPANESE STUDIES

See World Languages, Literatures, and Cultures

## KINESIOLOGY AND ALLIED HEALTH

*Kujath, Dodd, Kauth, Kellar*

### *Major Sequence in Kinesiology and Allied Health:*

The Kinesiology and Allied Health major provides the knowledge and competencies related to a variety of health and fitness settings. A dedicated focus within these disciplines provide the preliminary basis of information necessary for a future profession as a health care provider to promote healthy lifestyles. These professions could include a Certified Personal Trainer (CPT), Certified Strength and Conditioning Specialist (CSCS), Physical Therapist (PT), Occupational Therapist (OT), Chiropractor and others.

This major will require a maximum twelve courses to complete the major. Courses in the biology, health, and exercise science disciplines fulfill the academic and competency based requirements to take a number of certifications in health and fitness. The requirements are based upon those suggested by the American College of Sports Medicine ([www.acsm.org/docs/default-source/certification-documents/cpt/acsm-certified-personal-trainer-exam-content-outline.pdf](http://www.acsm.org/docs/default-source/certification-documents/cpt/acsm-certified-personal-trainer-exam-content-outline.pdf)) and the National Strength and Conditioning Association ([www.nscs.com/ERP](http://www.nscs.com/ERP)). The major follows more closely the requirements of the NSCA. The major includes some of the prerequisite courses for professional graduate programs in other allied health (occupational and physical health) professions while still leaving room for necessary prerequisite courses outside of the major.

Required Core Courses:

- 1) BIOL 107: Human Anatomy and Physiology I
- 2) BIOL 108: Human Anatomy and Physiology II
- 3) HLTH 230: Human Nutrition (LSI)
- 4) HLTH 280: Perspectives in Global Health (G)

- 5) HLTH 300: Achieving Wellness
- 6) PETH 320: Organization and Administration of Athletics and P.E.
- 7) PETH 325: Kinesiology
- 8) PETH 326: First Aid and Athletic Training
- 9) PETH 327: Essentials of Strength and Conditioning (W)
- 10) PETH 330: Exercise Physiology
- 11) PETH/HLTH 397: Internship (.75/1.0)
- 12) PSYC 380: Sport and Exercise Psychology

Although not required for the KAH major, in preparation for some health sub-specialties and fitness careers or for graduate school, it is strongly recommended that students take prerequisites for those programs which may include:

- 1) Two lab courses in chemistry (201, 202 or 311, 312)
- 2) Two lab courses in physics (101, 102 or 105, 106)
- 3) Mathematics through 176 (or proficiency)
- 4) Two general psychology courses (251, 252)
- 5) One course in statistics (PSYC 227, BIOL 323 or 395)

#### ***Minor Sequence in Exercise Science:***

The following courses are required for the minor.

- 1) BIOL 107: Human Anatomy and Physiology
- 2) HLTH 230: Nutrition
- 3) PETH 325: Kinesiology
- 4) PETH 326: First Aid and Athletic Training
- 5) PETH 327: Essentials of Strength and Conditioning
- 6) PETH 330: Exercise Physiology

Recommended:

- 7) PEC 129X: Personal Fitness I
- 8) PEC 123Y: Cross Fit
- 9) PEC 135Y: Weight Lifting
- 10) BIOL 108: Human Anatomy and Physiology
- 11) HLTH 310: Special Topics in Health
- 12) PETH 397: Internship in Exercise Science
- 13) PSYC 380: Sport and Exercise Psychology

## **KINESIOLOGY, SPORT AND WELLNESS**

*Eash, Bakirdan, Fish, Huffaker, Iannucci, Kauth, Kelly, Lowder, Marino, Martel, Mueller, Nelson-Brown, Prager, Rose, Schauls, Smith, Wagner*

The department of Kinesiology, Sport and Wellness provides courses to meet the needs of the following:

1. Students enrolling in activity courses to meet the general education requirement for graduation.
2. Students interested in coaching, or who are pursuing a middle school or secondary endorsement in physical education.
3. Students interested in exercise science and fitness related professions.
4. Students choosing activity or theory courses as electives.

The objectives of the Kinesiology, Sport and Wellness departments are the following:

- a) To provide students with skills, attitudes, and knowledge concerning sports and human movement for enjoyment now and in later years.
- b) To provide experiences and activities for fostering and appreciating good health and physical fitness.
- c) To prepare effective coaches and to instill in them professional attitudes and to offer coursework towards a middle school or secondary endorsement.

Students may choose courses from a wide range of available activities. All courses are offered on a coeducational basis.

Special options are available to students with physical limitations and students desiring independent study opportunities.

The following guidelines apply to the listings for activity courses:

- 1) Except where the description contains a statement to the contrary, **activity courses may not be repeated** without special permission from the department involved.
- 2) Where required, prerequisite ability for activity courses must be demonstrated prior to registering for the courses.
- 3) Certain courses involving commercial facilities require special fees as indicated at the time of registration (Bowling, Golf, Karate, Scuba Diving, Rock Climbing).
- 4) Students in activity courses are graded on a credit/no credit basis.
- 5) All activity courses are offered for non-degree credit. In other words, courses may be taken by full time students in addition to the standard class load at no additional tuition charge. Work will be recorded in the student's permanent record and will be counted toward completion of the general education physical education requirement, but may not be counted as part of the minimum total course unit requirements for a degree.
- 6) Course numbers followed by "X" are full term courses. Course numbers followed by "Y" are half term courses.
- 7) Fitness courses that meet the Physical Education requirement are identified by an asterisk.

### **Theory Courses/Minors**

Theory courses for minors offered by the department of Kinesiology, Sports and Wellness consist of a variety of studies relating to the acquisition and teaching of movement skills, to coaching techniques and theories, to first-aid and safety, and to basic principles of the mechanics and physiology involved in human movement.

The minor in physical education consists of courses primarily designated for persons desiring to teach and coach the sports most commonly encountered in the public schools, or for students pursuing a middle school or secondary endorsement in physical education. **Note:** Per ISBE requirements, students must first complete the requirements for a teaching license to be eligible to add an endorsement (see Educational Studies for programs and requirements). Students may qualify for the physical education endorsement by completing a series of at least six courses in physical education and receiving a passing score on the Illinois State Board physical education content exam (secondary only). Contact your physical education advisor for more information.

An individual not seeking teacher licensure may select courses in the Kinesiology, Sports and Wellness department. Such a student may design a program involving supplementary courses from other areas as preparation for a variety of careers. Examples might include sports writing, equipment sales, recreation administration, or exercise science and fitness related professions.

***Minor Sequence in Coaching:***

The following courses are required for the minor.

- 1) Choose one of four
  - PETH 210: Coaching Baseball and Football
  - PETH 211: Coaching Basketball and Track
  - PETH 214: Coaching Golf and Soccer
  - PETH 216: Coaching Volleyball and Softball
- 2) PETH 290: Introduction to Coaching
- 3) PETH 320: Organization and Administration of Athletic and Physical Education Programs
- 4) PETH 325: Kinesiology
- 5) PETH 326: First Aid and Athletic Training
- 6) PETH 330: Exercise Physiology

Recommended:

- 7) PEC 129X: Personal Fitness I
- 8) PETH 327: Essentials of Strength and Conditioning

***Minor Sequence in Physical Education:***

The following courses are required for the minor.

- 1) PETH 201: Theory and Practice of Physical Education
- 2) PETH 202: Theory and Practice of Physical Education
- 3) PETH 320: Organization and Administration of Athletic and Physical Education Programs
- 4) PETH 325: Kinesiology
- 5) PETH 330: Exercise Physiology
- 6) Choose one of these three:
  - PETH 326: First Aid and Athletic Training
  - HLTH 300: Achieving Wellness
  - PETH 327: Essentials of Strength and Conditioning

***Minor Sequence in Sports Management:***

The following courses are required for the minor.

- 1) PETH 280: Foundations of Sports Management
- 2) PETH 310: Planning, Design, and Event Management in Sports & Recreation
- 3) PETH 315: Marketing and Public Relations for Sports & Recreation

**Electives (3 courses)**

**One must** be taken from one of the asterisk courses found in the Kinesiology, Sports and Wellness Department or Psychology Department.

**Two courses must** be from other asterisked courses or non-asterisked courses found outside the Kinesiology, Sports and Wellness Department.

\*PETH 290: Introduction to Coaching

\*PETH 320: Organization and Administration of Athletic and Physical Education Programs  
\*PETH 397: Internship – Sports Management  
\*PSYC 380: Sports & Exercise Psychology  
ECON 100: Intro to Economics  
ACC 112: Accounting & Decision Making  
ACC 212: Accounting & Decision Making II  
FIS 303: Financial Management  
BUS 331: Marketing: Principles & Mgmt.  
BUS 341: Organization & Mgmt.  
BUS 355: Business Law

### ***Minor sequence in Exercise Science***

See Kinesiology and Allied Health

### **Activity Courses**

Two courses (X) or four half courses (Y) or an equivalent combination are required. At least 1 X or 1 Y must be a fitness course. Fitness courses meeting the requirement are designated with an asterisk\*.

**109X Basic Scuba Diving** An introduction to basic scuba diving. This course does not provide certification, but will prepare the participant to take the exam for Open Water Certification should they so desire. **Special fee.** *Offered each semester.*

**111Y Beginning Swimming** Basic swimming instruction and lifesaving skills for the non-swimmer or beginning swimmer. May be repeated one time only with the consent of instructor. *Offered in alternate years, fall semester.*

**\*113X Fitness Swimming** For the intermediate and advanced swimmer. Geared to train the student in swimming strokes, distances, and combination strokes to increase endurance, muscle growth, appearance and circulatory efficiency. *Offered each spring.*

**\*114Y Water Aerobics** An aerobic water fitness program designed for non-swimmers and swimmers to help maintain lifetime physical fitness. *Offered each spring.*

**\*116X Lifeguard Training** Course focuses upon increasing awareness of water hazards, the avoidance of accidents, and utilization of appropriate rescue techniques. Course includes 20 hours outside of class for First Aid and CPR. Prerequisite: ability to swim 500 yards continuously using several strokes. **Special fee.** *Offered in alternate years.*

**117X Water Safety Instructor** Red Cross Water Safety Instructor course leading to certification for teaching swimming. Prerequisite: a current Advanced Lifesaving certificate. **Special fee.** *Offered as needed, fall semester.*

**118Y Tennis I** Open to individuals with no experience in playing tennis. *Offered each fall and May Term.*

**120Y Badminton** An introduction to singles and doubles play. *Offered each semester.*

**\*121Y Pilates** An introduction to Pilates basic movements; course focuses on improvement of overall strength, posture, and flexibility. *Offered each semester.*

**122Y Volleyball** An introductory course in fundamentals of power volleyball. *Offered each semester.*

**\*123Y Cross Fit** Affiliated with Crossfit TCB. Course is programmed to improve individuals' core strength and conditioning. The goal is to gain competency in ten fitness areas. Workouts are constantly varied, high intensity functional movement. *Offered each semester.*

**124Y Bowling** For beginners and those who already know how to bowl. **Special fee.** *Offered each semester.*

**125Y Beginning Golf** An introduction to basic skills. **Special fee.** *Offered each fall and May Term.*

**126Y Intermediate Golf** For experienced golfers. Emphasis on swing mechanics, playing strategies and specialty shots. **Special fee.** *Offered as needed.*

**127Y Racquetball** Introduction to individual skills, techniques, and strategies of singles and doubles play. *Offered each semester.*

**\*128Y Circuit Training** An introduction of circuit training in the use of Selecterize machines to improve strength, endurance and flexibility. *Offered each semester.*

**\*129X Personal Fitness I** Students assess the five health related aspects of fitness; muscular strength and endurance, flexibility, body composition, and cardiovascular endurance. Various types of exercise programs are discussed and practiced. *Offered each semester.*

**\*131X Personal Fitness II** Designed to help students plan and carry out their own personal fitness program using results of physical fitness tests obtained in Fitness I. Prerequisite: 129X or consent of instructor. *Offered as needed.*

**\*132Y Fitness Walking** Designed to develop physical fitness through a walking program. Open to all levels of fitness. *Offered each semester and May Term.*

**\*133Y Step Aerobics** Designed to improve cardiovascular fitness through rhythmic exercise. Open to beginning as well as advanced levels of fitness. *Offered each semester.*

**\*134Y Jogging** Improving cardiovascular fitness through jogging. Open to all levels of experience. *Offered each semester.*

**\*135Y Weight Lifting** Lifting free weights to improve total body strength. Proper technique and safety emphasized. Open to beginners as well as experienced lifters. *Offered each semester.*

**\*136Y Cycling Fitness** Improving cardiovascular fitness using stationary bicycles. Open to all levels of fitness. Fulfills general education requirements in Physical Education category.

**137Y Special Activities** Various recreational activities (rock climbing, wallyball, fitness games, yoga). Special fee required for some activities. *Offered each semester.*

**\*138Y Cycling Fitness II** Designed to provide accelerated cardiorespiratory fitness at an intermediate to advanced level. Prerequisite: Cycling Fitness 136Y. *Offered each semester.*

**\*139Y Aerobics** Improving cardiovascular fitness through rhythmic movements and exercises set to music. Students work at their own physical level whether it be beginning or advanced. *Offered each semester.*

**140Y Beginning Social Dance** An introduction to social dancing, including waltz, fox trot, polka, jitterbug, and others. *Offered annually.*

**\*142X Jazz Dance I (Cross-listed with MUTH 132)** An introduction to the fundamentals of jazz dance technique. The course will build the student's jazz vocabulary and technical skill in properly executing that vocabulary. Students will be drilled in proper body alignment and proper body conditioning for jazz dance, and ability to perform simple jazz combinations. May be repeated, but Gen Ed credit can only be received for a student's first. *Offered annually.*

**\*143X Tap Dance I (Cross-listed with MUTH 133)** An introduction to the fundamentals of tap dance technique. The course will build the student's tap vocabulary and technical skill in properly executing that vocabulary. Students will be drilled in proper body alignment and proper body conditioning for tap dance, and ability to perform simple tap combinations. May be repeated, but Gen Ed credit can only be received for a student's first enrollment. *Offered annually.*



- \*144X Ballet I (Cross-listed with MUTH 134)** Beginning Ballet: An introduction to the fundamentals of ballet technique. The course will build the student's ballet vocabulary and technical skill in properly executing that vocabulary. Students will be drilled in how to learn, master and perform simple ballet combinations. Prerequisites: none. May be repeated for credit. *Offered each semester.*
- \*145X Modern Dance I (Cross-listed with MUTH 135)** An introduction to the fundamentals of modern dance. The course will build the student's basic modern dance vocabulary and technical skills in properly executing that vocabulary. Students will be drilled in proper body alignment and proper body conditioning for modern dance, and ability to perform simple modern dance combinations. May be repeated, but Gen Ed credit can only be received for a student's first enrollment. *Offered annually.*
- \*151X Adapted Physical Education** Designed for students whose medical examination indicates a recommendation of restricted exercise. May be repeated. Prerequisite: **Consent of department chairman.** *Offered each semester.*
- \*152Y Adapted Physical Education** Designed for students whose medical examination indicates a recommendation of restricted exercise. May be repeated. Prerequisite: **Consent of department chairman.** *Offered each semester.*
- 153X Karate** Students work toward attaining a red belt. **Special fee.** *Offered each semester.*
- 155X Advanced Karate** Prerequisite: Consent of instructor. **Special fee.** *Offered each semester.*
- 180Y Fencing** Beginning techniques in foil fencing and bout judging and directing. *Offered each semester.*
- \*232X Jazz Dance II (Cross-listed with MUTH 232)** Intermediate jazz dance technique. The course will expand jazz vocabulary as well as explore more difficult styles and combinations. Students will be expected to master intermediate level strength, stretching, stamina and body awareness suitable to the jazz idiom. Prerequisite: PEC 142X\*/MUTH 132 or consent of instructor. May be repeated, but Gen Ed credit can only be received for a student's first enrollment. *Offered annually.*
- \*233X Tap Dance II (Cross-listed with MUTH 233)** Intermediate tap dance technique. The course will expand tap vocabulary as well as explore more difficult styles and combinations. Students will be expected to master intermediate level rhythm, strength, stretching, stamina, and body awareness suitable to the tap idiom. Prerequisite: PEC 143X\*/MUTH 133 or consent of instructor. May be repeated, but Gen Ed credit can only be received for a student's first enrollment. *Offered annually.*
- \*234X Ballet II (Cross-listed with MUTH 234)** Intermediate ballet technique. The course will expand ballet vocabulary as well as explore more difficult styles and combinations. Students will be expected to master intermediate level strength, stretching, stamina, and body awareness suitable to the ballet idiom. Prerequisite: PEC 144X\*/MUTH 134 or consent of instructor. May be repeated, but Gen Ed credit can only be received for a student's first enrollment. *Offered each semester.*
- \*235X Modern Dance II (Cross-listed with MUTH 235)** Intermediate modern dance technique. The course will expand modern dance vocabulary as well as explore more difficult styles and combinations. Students will be expected to master intermediate level strength, stretching, stamina and body awareness suitable to the modern dance idiom. Prerequisites: PEC 145X\*/MUTH 135 or consent of instructor. May be repeated, but Gen Ed credit can only be received for a student's first enrollment. *Offered each semester.*
- \*250X Varsity Sports** Prerequisite: Consent of head coach of each sport. *Offered each semester.*
- \*332X Jazz Dance III (Cross-listed with MUTH 332)** Advanced jazz dance technique. The course will expand jazz dance vocabulary as well as explore more

advanced styles and combinations. Students will be expected to master advanced level strength, stretching, stamina, and body awareness suitable to the jazz dance idiom. Students will focus on exploring performance skill that range beyond the technique. Prerequisite: PEC 232X\*/MUTH 232 or consent of instructor. May be repeated, but Gen Ed credit can only be received for a student's first enrollment. *Offered annually.*

**\*333X Tap Dance III (Cross-listed with MUTH 333)** Advanced tap dance technique. The course will expand tap dance vocabulary as well as explore more advanced styles and combinations. Students will be expected to master advanced level strength, stretching, stamina, and body awareness suitable to the tap dance idiom. Students will focus on exploring performance skill that range beyond the technique. Prerequisite: PEC 233X\*/MUTH 233 or consent of instructor. May be repeated, but Gen Ed credit can only be received for a student's first enrollment. *Offered annually.*

**\*334X Ballet III (Cross-listed with MUTH 334)** Advanced ballet technique. The course will expand ballet vocabulary as well as explore more advanced styles and combinations. Students will be expected to master advanced level strength, stretching, stamina, and body awareness suitable to the ballet idiom. Students will focus on exploring performance skill that range beyond the technique. Prerequisite: PEC 234X\*/MUTH 234 or consent of instructor. May be repeated, but Gen Ed credit can only be received for a student's first enrollment. *Offered each semester.*

**\*335X Modern Dance III (Cross-listed with MUTH 335)** Advanced modern dance technique. The course will expand modern dance vocabulary as well as explore more advanced styles and combinations. Students will be expected to master advanced level strength, stretching, stamina, and body awareness suitable to the modern dance idiom. Students will focus on exploring performance skill that range beyond the technique. Prerequisites: PEC 235X\*/MUTH 235 or consent of instructor. May be repeated, but Gen Ed credit can only be received for a student's first enrollment. *Offered each semester.*

## Theory Courses

**201 Theory and Practice of Physical Education** Teaching methods and activities and practical class participation in learning various team sports at the secondary school level. *Offered in alternate years, fall semester.*

**202 Theory and Practice of Physical Education** The development of physical education, its history, teaching methods and activities; practical class participation in learning various individual sport activities at the secondary school level. *Offered in alternate years, spring semester.*

**210 Coaching Baseball and Football** Fundamentals of coaching baseball and football including drills, strategies, rules, and conditioning. *Offered in alternate years, fall semester.*

**211 Coaching Basketball and Track** Fundamentals of coaching basketball including modern offenses and defenses, strategies, and drills. Coaching track and field events including modern methods in conditioning and training. *Offered in alternate years, spring semester.*

**214 Coaching Soccer/Golf** This course is intended to cover the essentials of coaching soccer and golf in order to prepare the students to be more active post-graduation as well as more active in their community with the knowledge to coach both soccer and golf. *Offered in alternate years, spring semester.*

**216 Coaching Volleyball and Softball** Basic and advanced skills, techniques, tactics, and strategies of competitive softball and volleyball along with techniques of coaching individual and team play. *Offered in alternate years, spring semester.*

**280 Foundations of Sports Management** Instruction in the foundation of sports as an occupation and industry; sports management functions and best practices in sports finance, sports economics, sports sponsorship, sports marketing, sports law,

and event management. Sport ethics and social issues will be discussed. There will be an introduction to career opportunities in sports. *Offered in alternate years, fall semester.*

**290 Introduction to Coaching** The study of basic scientific principles of Biomechanics, Psychology, and Physiology as they relate to coaching sports skills. Basic discussions regarding scientific training methods and conditioning, motivational techniques, nutrition, environmental conditions, and handling the pressures of competition. *Offered in alternate years, fall semester.*

**297/397 Internships** Opportunity for field work at community non-profit agencies, alternative school settings, parks and recreation departments, and camping facilities. Prerequisite: P. E. Theory 201, 290, 320 and consent of department chair. *Offered as needed.*

**310 Planning, Design, & Event Management in Sports & Recreation** This course emphasizes the leadership, management, and organizational principles necessary for directing programs and facilities in sport management. This will be accomplished by dividing the class into research groups that will select a method of integrating the principles necessary for directing programs via internships or some type of community venue. This practical experience will be supported by a culminating research paper. *Offered in alternate years, fall semester.*

**315 Marketing & Public Relations for Sports & Recreation** Students will research and examine the processes behind the proper techniques of sports information and media relations. They will be required to perform field experience in marketing and public relations as assigned by the instructor. This will be done on campus by integrating with the Illinois Wesleyan Athletic Department. All students will finish the class with a capstone project by developing a comprehensive marketing plan which will be given by oral presentation to the class. *Offered in alternate years, spring semester.*

**320 Organization and Administration of Athletic and Physical Education Programs** The administrative problems involved in organization of the athletic, recreation, and physical education programs, will cover curriculum design. Practical applications in intramural sports and athletic organization and management. Recommended: 201 and 202. *Offered every year in the Spring.*

**325 Kinesiology** Use of mechanics and muscular action in balance and movement of the human body. *Offered in alternate years, fall semester.*

**326 First Aid and Athletic Training** Instruction in administering accepted first aid practices in emergencies and accepted methods for the prevention and corrective treatment of athletic injuries. *Offered in alternate years, spring semester.*

**327 Essentials of Strength and Conditioning (W)** An application oriented course that provides useful information for students with a background in anatomy, physiology, Kinesiology, and other exercise sciences. Useful for those who intend to pursue professional work as a personal trainer or become involved with exercise prescription. Prerequisite: PE Theory 325, 330, or consent of instructor. *Offered in alternate years, spring semester.*

**330 Exercise Physiology** Exercise Physiology is the study of movement and the research based principles associated with the systematic and functional responses and adaptations to different forms of exercise. *Offered every year in the Fall.*

**400 Independent Study** Independent research and study beyond courses offered in any particular area of physical education. Prerequisite: consent of department chairman. *Offered as needed.*

## LITERATURE AND CULTURE STUDIES IN ENGLISH TRANSLATION

See World Languages, Literatures, and Cultures

## MATHEMATICS

*Drici, Jack, Lee, Petentler, Roberts*

Mathematics is the language of science, providing a framework for analyzing the world by abstracting from our observations that which is essential to the question at hand. A successful study of mathematics gives the student a powerful approach to solving problems through organization, simplification, and abstraction. This process often leads to solutions and techniques of great beauty independent of their application. The aim of the Department of Mathematics is to give its students an understanding of some of the theories and methods of mathematics as well as an appreciation of their beauty.

In today's job market, individuals with highly developed analytical and problem-solving skills are in great demand and so there are a number of career options open to the students who choose to major in Mathematics. These include careers in secondary education, actuarial science, operations research, data science, scientific computing, and management science and other areas of business. The Department of Mathematics maintains a list of suggested tracks of courses for different career paths, including a 3:2 Dual-Degree Pre-Engineering Program.

Mathematics majors, including first-year students, should seek advisement by a member of the mathematics faculty as soon as possible.

The Calculus sequence (MATH 176, 177, and 278) covers everything that would be found in a typical university-level calculus sequence. One of the fundamental marks of distinction of the Calculus sequence at IWU is the focus on a rigorous approach to studying the foundational concepts of calculus. MATH 178 is a calculus lab course that incorporates software packages (typically Mathematica). Placement into MATH 177 or 278 is allowed for those transferring AP/IB or college/university credit. Please consult the Math Department Chair to determine which course you should take.

Individuals who do not start their college mathematics with calculus should take MATH 105, 110, 140, 141, 143, or 145 depending on their major interests.

Credit will not be allowed for any course that is taken after the successful completion of another course for which the first course was a prerequisite.

### ***Major Sequence in Mathematics:***

A minimum of twelve course units in mathematics to include:

- 1) MATH 176, 177, 178, 278.
- 2) MATH 120X, 220, 320, 420: Math Immersion Sequence  
Note: Math 321 Math Immersion III B is intended specifically for transfer students who declare their math major during their junior year.
- 3) MATH 200 and 215. Both MATH 200 and MATH 215 should be completed by the end of the second year. Students should consult with a mathematics advisor in order to determine the best time for them to take these courses.

And a minimum of six course units that satisfy the following requirements:

- 4) Two courses selected from MATH 360, 362, 364, 367, or approved 470.

Students must take at least one of the two courses in their junior year. Students are allowed to take more than two courses from 360, 362, 364 and 367.

5) MATH 397, 495, or 499 for the completion of a capstone experience during the senior year. See below for additional information about the capstone experience requirement.

6) Three additional electives selected from Math 310, 324, 325, 340, 360, 362, 364, 367, 400, 403, 407, 412, 430, 451, or approved 370/470.

At least one of the 12 required math courses should be taken during the senior year. MATH 105, 106, 110, 135, 136, 140, 141, 143, 145 will not count towards the Mathematics major.

### **Signature Experience:**

The signature experience is a major requirement to be completed during the senior year. It is an academically challenging activity, which may involve individual or group projects, such as directed research, mathematical modeling projects, computational projects, or tutorials. The signature experience will require a substantial mathematical background and is expected to develop a relatively sophisticated understanding and use of concepts, as well as an ability to discuss ideas and results, and to articulate them in writing and in oral presentations. At least one informal presentation at the department senior colloquium is required. The signature experience may take the form of a single project/research completed in one semester or it may be extended over several semesters with a grade recorded upon completion of the project through enrollment in MAT 397, 495, or 499 in the fall semester of the senior year. Required of all majors. Consent of the department Chair and research/project advisor required.

Upon approval of the Math Department Chair, the signature experience may be waived for students completing an equivalent signature experience in another area, such as Secondary Education. In such cases, the requirement is replaced with the completion of an additional math elective course.

### **Actuarial Science Concentration:**

Actuarial science is the study of financial uncertainty that quantifies risk management. Actuaries often work in insurance and finance industries and use mathematical and statistical models to analyze financial risk. The concentration in actuarial science provides a foundation in the areas of mathematics, statistics, economics, finance, and accounting.

A minimum of thirteen course units in mathematics to include:

1. MATH 176, 177, 178, 278
2. MATH 120X, 220, 320, 420: Math Immersion Sequence  
Note: Math 321 Math Immersion III B is intended specifically for transfer students who declare their math major during their junior year.
3. MATH 200 and 215. Both MATH 200 and MATH 215 should be completed by the end of the second year. Students should consult with a mathematics advisor in order to determine the best time for them to take these courses.
4. MATH 324, 325, 403, and ACC 112
5. Two courses selected from MATH 360, 362, 364, 367, or approved 470. Students must take at least one of the two courses in their junior year. Students

- are allowed to take more than two course from MATH 360, 362, 364 and 367.
6. MATH 397, 495, or 499 for the completion of a capstone experience during the senior year.

At least one of the 12 required math courses should be taken during the senior year. Students are strongly encouraged to take ECON 100 and FIS 303.

**Statistics Concentration:**

A minimum of twelve course units in mathematics to include:

1. MATH 176, 177, 178, 278
2. MATH 120X, 220, 320, 420: Math Immersion Sequence  
Note: Math 321 Math Immersion III B is intended specifically for transfer students who declare their math major during their junior year.
3. MATH 200 and 215. Both MATH 200 and MATH 215 should be completed by the end of the second year. Students should consult with a mathematics advisor in order to determine the best time for them to take these courses.
4. MATH 324, 325, 403
5. Two courses selected from MATH 360, 362, 364, 367, or approved 470. Students must take at least one of the two courses in their junior year. Students are allowed to take more than two courses from MATH 360, 362, 364 and 367.
6. MATH 397, 495, or 499 for the completion of a capstone experience during the senior year.

At least one of the 12 required math courses should be taken during the senior year.

**Minor Sequence in Actuarial Science:**

A minimum of 7 course units to include:

- 1) MATH 176, 177
- 2) MATH 215
- 3) MATH 324
- 4) MATH 325
- 5) ACC 112
- 6) FIS 303

Students are also encouraged to take ECON 100 and MATH 403.  
Note that math majors may not earn a minor in actuarial science.

**Minor Sequence in Mathematics:**

A minimum of 6.25 course units in mathematics to include:

- 1) MATH 176, 177, 178
- 2) MATH 200 or 215
- 3) Three additional courses numbered 300 or above, or any other course approved by the Chair of the Math department.

MATH 105, 106, 110, 135, 136, 140, 141, 143, 145, will not count towards the Mathematics minor.

**Minor Sequence in Statistics:**

A minimum of six course units to include:

- 1) MATH 176, 177

- 2) MATH 215
- 3) MATH 324, 325, 403

Note that math majors may not earn a minor in statistics.

Math majors and minors who seek a secondary teaching licensure declare a second major in secondary education and apply to the Teacher Education Program in the sophomore year. Refer to the Educational Studies section in this *Catalog* and the Teacher Education Program Handbook ([www.iwu.edu/educational-studies/handbooks/](http://www.iwu.edu/educational-studies/handbooks/)) for further information.

The Department of Mathematics maintains three computer labs. A Mathematics Learning Center (MLC) is also available throughout the academic year. It is staffed with student assistants under faculty supervision and is open to students enrolled in most first-year courses.

**105 Mathematical Concepts for Elementary Teachers I** Study of mathematical concepts including counting and cardinality, operations, and algebraic thinking, number and operations (base ten and fractions), with attention to mathematical practices and the historical development of mathematical concepts. Emphasis on mathematical reasoning, including proof. This is not a methods course. Will not count toward the major or minor in mathematics. Prerequisite: ACT score of 22 or SAT score of 1030. Enrollment limited to elementary teacher education majors. *Offered each fall.*

**106 Mathematical Concepts for Elementary Teachers II (FR)** Study of mathematical concepts including measurement and data, geometry, statistics, probability, with attention to mathematical practices and the historical development of mathematical concepts. Emphasis on mathematical reasoning, including proof. This is not a methods course. Will not count toward the major or minor in mathematics. Prerequisite: 105. Enrollment limited to elementary teaching education majors. *Offered each spring.*

**110 Finite Mathematics (FR)** Topics to be selected from solving systems of linear equations using Gaussian and Gauss-Jordan Elimination, matrix algebra, linear programming, probability, mathematics of finance, statistics, and Markov chains. Will not count toward the major or minor in mathematics. Prerequisites: two years of high school algebra and one year of high school geometry. *Offered each semester.*

**120X Math Immersion I (0)** This course serves as an introduction to the culture of the math program at IWU. Requirements of this course are accruing at least 5 math immersion points throughout the year, creating a math portfolio that will be maintained throughout each student's time at IWU, and meeting once per semester with the math faculty advising group. Credit/No Credit only. To be taken spring of the first year.

**135 Applications of Sets, Logic, and Recursion (FR) (Cross-listed with CS 135)** Introduction to functional programming and discrete mathematics. Sets, functions, and relations. Basic logic, including formal derivations in propositional and predicate logic. Recursion and mathematical induction. Programming material: Data types and structures, list processing, functional and recursive programming. No prerequisite. Will not count towards the major or minor in mathematics. *Offered every year.*

**136 Computational Discrete Mathematics (Cross-listed with CS 136)** Additional concepts in discrete mathematics. Recurrence relations, counting, and combinatorics. Discrete probability. Algorithmic graph theory. Programming with advanced data structures. No prerequisite. Will not count towards the major or minor in mathematics. *Offered each fall.*

**140 Mathematical Modeling: Finance (FR)** An introduction to the mathematics of finance. Topics will include geometric and arithmetic sequences and series, simple interest, compound interest, bank discounts, treasure bills, time diagrams, ordinary annuities, annuities due, general annuities, retirement annuities, amortization, sinking

funds and other selected topics that could include bonds, life insurance, and stocks. Prerequisite: Two years of high school algebra or the equivalent. *Offered each fall.*

**141 Mathematical Modeling: Statistics (FR)** This course introduces some basic statistical methods used in practice: organization and description of data, probability, probability distributions, the normal distribution, sampling distributions, inferences from large and small samples, comparing two treatments. Focus will be placed on the derivation of these methods from first principles and its generalization in decision making. Prerequisites: Two years of high school algebra and one year of high school geometry. *Offered in alternate years, Spring Term.*

**143 Mathematical Modeling: Discrete Structures (FR)** This course explores discrete mathematical structures and their properties. Emphasis is placed on how these structures can be used to model problems encountered in the world. The theory of graphs will be studied, as well as graph algorithms. Topics may include flows in networks, scheduling problems, properties of social networks, matching theory, and others. Prerequisites: Two years of high school algebra and one year of high school geometry. *Offered as needed.*

**145 Mathematical Modeling: Measurement and Approximation (FR)** An introduction to the mathematical modeling of problems that contain a quantity that cannot be measured directly by performing a simple computation. Approximation methods will be designed to produce a sequence of approximations that approaches the true measurement. One objective of the course is to introduce the sequential definition of limit and to strengthen pre-calculus skills. Prerequisites: Two years of high school algebra and one year of high school geometry. *Offered as needed.*

**176 Calculus I (FR)** This is the first course in a three-course sequence on differential and integral calculus. Topics covered include limits and continuity, differential calculus of functions of one variable, and introduction to integration. Prerequisites: Two years of high school mathematics, including algebra, trigonometry, pre-calculus. *Offered each semester.*

**177 Calculus II** Further topics in one variable calculus, applications of the definite integral, techniques of integration, a thorough study of sequences, series, and polar coordinates. Prerequisite: MATH 176 or placement by advisement from the Department of Mathematics. *Offered each semester.*

**178 Calculus Lab (.25)** Lab explorations of the theory and applications of differential and integral calculus encountered in Calculus I and II, including applications of the derivative and the integral, transcendental functions, and techniques of integration. Offered each semester. Required for math majors. To be completed by the end of the first year. No prerequisite.

**200 Introduction to Mathematical Reasoning (FR, W)** The course is about thinking precisely and communicating ideas effectively using mathematical notation, terminology, and style. It introduces students to logic and deductive reasoning, and develops their abilities to comprehend and write mathematical proofs, work with definitions, theorems, and conjectures, as well as discover and prove theorems. The mathematical content is selected to cover a broad range of proof techniques and examples are chosen to provide a real-world context for formal reasoning. Prerequisite: MATH 176 or consent of instructor. *Offered each semester.*

**215 Linear Algebra (FR)** Vector spaces, linear mappings, determinants, matrices, eigenvalues, geometric applications. *Offered each semester.*

**220 Math Immersion II (.25)** A continuation of Math 120. Requirements include accruing at least 5 math immersion points throughout the year, maintaining the portfolio including completion of a 2-year plan, and meeting with the math faculty advising group once per semester. A sophomore project must be approved by the project advisor and completed by the end of the sophomore year. To be taken spring of the sophomore year. Prerequisite: MATH 120.



- 270/370/470 Topics in Mathematics** Topics in pure and applied mathematics not covered in other offerings. Math 470 will be proof oriented. May be repeated for different topics. Prerequisite: varies with the topic. *Offered as needed.*
- 278 Calculus III** This is a course in multivariate calculus. Topics include vectors and geometry in 3-D space, derivative of a function of several variables, partial derivatives, gradients, line integrals and multi-variable integrals, vector-valued functions, Green's and Stokes' Theorems. Other topics, as time permits: vector fields and basic topology of the real number line. Prerequisite: MATH 177 or placement by advisement from the Department of Mathematics. *Offered each semester.*
- 310 Combinatorics and Graph Theory** Topics to include basic counting techniques (counting principles, binomial identities, inclusion/exclusion, recurrences, and generating functions), an introduction to graph theory, and extremal problems. Prerequisites: MATH 200. *Offered in alternate years, fall semester.*
- 320 Math Immersion III (.25)** A continuation of Math 220. Requirements include accruing at least 5 math immersion points throughout the year, maintaining the portfolio, and meeting with the math faculty advising group once per semester. A declaration for the capstone experience must be submitted and approved by the project advisor by the end of the junior year. To be taken spring of the junior year. Prerequisite: MATH 220.
- 321 Math Immersion III B (.5)** (Intended specifically for transfer students or students who declare a math major during their junior year). Requirements include accruing at least 5 math immersion points throughout the year, maintaining the portfolio, and meeting with the math faculty advising group once per semester. An independent project must be approved by the project advisor and completed by the end of the junior year. A declaration for the capstone experience must also be submitted and approved by the project advisor by the end of the junior year. To be taken spring of the junior year. Prerequisite: Permission of the Chair of the Department. *Offered each spring semester.*
- 324 Probability** An introduction to probability; random variables with discrete and continuous distributions, independence and conditional probabilities, distributions and expectations of random variables, moment generating functions, joint distributions. Prerequisites: MATH 177. *Offered each fall.*
- 325 Mathematical Statistics** Transformation of random variables, order statistics, central limit theorem, estimation and hypothesis testing; point estimation, interval estimation, sufficient statistics, most powerful tests, likelihood ratio tests, chi-square tests. Prerequisite: MATH 324. *Offered each spring.*
- 340 Differential Equations** Topics may include, but are not limited to, first-order equations, linear higher order equations, systems of differential equations, series solutions, Laplace transforms, and other selected topics. Prerequisite: MATH 177. *Offered each spring.*
- 360 Modern Algebra** Groups, rings, ideals, integral domains, fields. Prerequisites: MATH 177, 200, or 215. *Offered in alternate years, spring semester.*
- 362 Introduction to Complex Analysis** This course provides a rigorous introduction to the theory of functions of a complex variable, which extends Calculus to the complex domain. Topics covered include complex numbers, analytic functions, integrals, power series, elementary complex functions, mappings by elementary functions, elementary conformal mappings, Cauchy's Integral Theorem, the Residue theorem, and harmonic functions. Prerequisites: MATH 200 or 215, and 278. *Offered in alternate years, spring semester.*
- 364 Introduction to Real Analysis** A rigorous study of the real number system, functions, limits, continuity, derivatives, integrals, sequences, and series. Prerequisites: MATH 200 or 215, and 278. *Offered in alternate years, fall semester.*

**367 Geometry and Topology:** Geometry and topology are introduced in a unified way, beginning with Euclidean and non-Euclidean geometries, including spherical, hyperbolic and affine geometries. Elements of group theory are introduced to treat geometric symmetries, leading to the unification of geometry and group theory. Basic topological concepts are introduced and combined with group theory to yield the geometry of transformation groups. Prerequisites: Math 177 and 215. *Offered in alternate years.*

**397 Internship (.5, .75, 1)** This course provides opportunities for junior and senior mathematics majors to apply skills acquired in the classroom to a job-related experience in various professional areas and locations. Prerequisite: Consent of department chair. *Offered as needed.*

**400 Mathematical Modeling** This course demonstrates the applicability of mathematics in the formulation and analysis of mathematical models used to solve real world problems. Students are expected to write the results of the models obtained in technical reports and to give oral presentations. This course is taught with the aid of a computer lab. Prerequisites: MATH 177, 215 or 340 and 178 (or some familiarity with Mathematica with the instructor's approval). *Offered in alternate years, fall semester.*

**403 Computational Data Analysis** This course introduces regression and time series methods, which are statistical modeling techniques commonly used in practice for the purpose of data analysis. It also includes some selected topics in statistical computations: generation of random numbers, statistical computing, statistical graphics and Monte Carlo simulations techniques. The course introduces and uses the R statistical programming language. Prerequisite: MATH 325 or one of the following: BIO 323, ECON 227, or PSYCH 227. *Offered fall term of even-numbered years.*

**407 Numerical Analysis** Numerical processes and error estimates relating to non-linear equations, linear systems of equations, polynomial interpolation and approximation, spline functions, numerical integration and differentiation, and initial-value problems in ordinary differential equations. Prerequisites: MATH 177. *Offered in alternate years, fall semester.*

**412 Combinatorial Designs** This course will examine many of the standard constructions for Steiner triple systems – the prototypical combinatorial design. Other structures studied include Latin squares, quasigroups, graph decompositions, Kirkman triple systems, pairwise balanced designs, group divisible designs, and projective and affine planes. Prerequisite: MATH 200. *Offered in alternate years, spring semester.*

**420 Math Immersion IV (.25)** A continuation of Math 320. Requirements include accruing at least 5 math immersion points throughout the year, finalizing the portfolio including a reflection on the capstone experience, and meeting with the math faculty advising group once per semester. To be taken spring of the senior year. Prerequisite: MATH 320.

**430 Topics in Linear Algebra** Advanced topics in pure and applied linear algebra, selected by the instructor of the course. Possible topics include, but are not limited to, linear programming, nonlinear programming, linear complementarity theory, canonical representations of matrices for specific applications, finite dimensional vector spaces, and applications in numerical analysis, mathematical modeling and graph theory. Prerequisites: MATH 177, 200, 215 and permission of the Chair. *Offered in alternate years, fall semester.*

**451 Wavelet Analysis** Topics to be covered include spline functions, inner product spaces, Fourier series, Fourier transform, multiresolution analysis, Haar wavelet analysis, Daubechies wavelets, Frances and multiwavelets. Prerequisites: MATH 177. *Offered in alternate years, spring semester.*

**495 Independent Study (.5, .75, 1)** Individual independent study of a topic of interest to the student, requiring a significant review of the literature and culminating in a committee-reviewed manuscript. This course may serve as preparation for Math

499 (Research Thesis). Prerequisites: Two courses in mathematics at the 300-level or higher and consent of department chair. *Offered each semester.*

**499 Research/Thesis** Experimental or theoretical examinations of a significant problem in a topic of interest to the student that is not normally part of the curriculum. It includes as a requirement the preparation of a significant paper. Prerequisite: Consent of department chair. *Offered each semester.*

## MILITARY SCIENCE

The goal of the Army Reserve Officers' Training Corps (ROTC) is to commission college graduates into the Active, National Guard, and Reserve components of the Army. Military Science classes are conducted on Illinois State's campus (with the exception of ROTC 101/102 which are taught on IWU's campus).

Military Science students can receive financial incentives through Federal Army ROTC scholarships, which are awarded for a four, three, or two-year period. Each scholarship pays either 100% tuition and fees or room and board, provides a book allowance of \$1,200 a year, and a tax free stipend.

**Sequence:** To complete the basic course a student must complete ROTC 101, 102, 111, 112 normally taken in that sequence over a four semester period. Exceptions are determined by law and may be discussed on an individual basis with the professor of Military Science. Entry into the advanced course requires successful completion of the basic course, basic camp, or advanced placement and acceptance by the Professor of Military Science. The advanced course must be completed over a four semester period, the usual sequence consisting of ROTC 220, 221, 240, 241. In addition to the Military Science classes, there is also a mandatory Military History class.

**101 Introduction to Leadership: Individual Effectiveness (.25)** Introduction to leadership from perspective of the member of an effective organization. Demonstrates how self-enhancement skills such as critical thinking, goal setting, health enrichment, fitness, resiliency, and time management support their development as leaders. Emphasis on developing knowledge and purpose of the Reserve Officers' Training Corps Program. *Offered each fall.*

**102 Introduction to Leadership: Teamwork (.25)** Expansion of Leadership fundamentals, Army small unit tactics, and how to survive in a field environment. Emphasis on basic communications process and necessity for leaders to effectively communicate within their organization. Examines how the individual member and team are affected by leaders and leadership decisions. *Offered each spring.*

**111 Applied Leadership I (.5)** Adds depth to students' knowledge of different leadership styles. Conduct analysis of influential leaders and self-assessment of their leadership style. Emphasis on understanding values, ethics, and how to apply both to situations they will encounter as leaders. Philosophy of Military Service is also discussed. *Offered each fall.*

**112 Applied Leadership II (.5)** Emphasis on Army Doctrine and team development. Introduces Troop Leading Procedures and Operation Order process to facilitate Army small unit tactics. Students are required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during Leadership Labs. *Offered each spring.*

**220 Advanced Leadership and Tactics I (.75)** Emphasis on Training Management and Warfighting Functions. Study, practice, and apply the fundamentals of Training Management and how the Army integrates Warfighting Functions to facilitate small unit

tactics. Prerequisite: Completed Military Science Basic Courses or have constructive credit such as Basic Combat Training or Basic Camp. *Offered each fall.*

**221 Advanced Leadership and Tactics II (.75)** Emphasis on direct level leadership and small unit tactics at the Platoon level. Study, practice, and apply the fundamentals of executing advanced land navigation; intelligence preparation of the battlefield; and using Troop Leading Procedures at the Platoon level to conduct operations. Prerequisite: Completed ROTC 220. *Offered each spring.*

**240 Advanced Applied Leadership I (.75)** Emphasis on Army's role in Unified Land Operations and leader's responsibilities as a Company Grade Officer. Study, practice, and apply the fundamentals of developing subordinates and evaluating performance; resourcing and assessing small unit training; and comprehends both legal and ethical obligations. Prerequisite: Completed ROTC 220 and 221. *Offered each fall.*

**241 Advanced Applied Leadership II (.75)** Provides capstone experience with emphasis on excelling in ambiguous environments; being a moral exemplar; proven problem solver and team builder; skilled oral and written communicator; advanced interpersonal skill, knowledge of training management, and understands doctrine; shows cultural awareness; and displays characteristics of lifelong learning. Prerequisite: Completed ROTC 240. *Offered each Spring.*

## MODERN LANGUAGE

See World Languages, Literatures, and Cultures

## MUSIC

*Ponce, Interim Director, Campbell, Ferguson, Kammin, Lewis, Nelson, Radoslavov, Risinger, West, Whitman, and adjunct faculty.*

The faculty and staff of the School of Music are committed to providing students with the comprehensive musicianship, knowledge, and skills required to pursue successful careers in music in the 21st century. Supporting the development of core musicianship is an innovative curriculum, unique offerings, and the numerous benefits of being part of a liberal arts university. The Bachelor of Music prepares students for careers in musical performance as soloists or chamber/orchestral musicians, and also prepare them to open private teaching studios. The Bachelor of Music Education certifies students to be public school teachers in the State of Illinois. The Bachelor of Arts allows students to explore other personal interests and perhaps a second major while still pursuing music. Additionally, non-music majors are encouraged to investigate the numerous opportunities for participation in ensembles, private and class applied study, and music courses designed for the liberal arts student (see below).

### Facilities and Supportive Equipment

Since its construction in 1929, Presser Hall has been the home of the School of Music. In 1971, Presser Hall was extensively renovated and a sizable adjoining structure was erected as part of the Alice Millar Center for the Fine Arts. The total music facility includes teaching studios, practice rooms, classrooms, rehearsal rooms for both small and large ensembles, an electronic piano laboratory, an electroacoustic music studio, a computer laboratory, and a recital hall.

*Facilities and Supportive Equipment* — The School of Music completed the transition to an All-Steinway School in 2019. Musical equipment and

technology include pianos, organs, harpsichords, a Gamelan, sophisticated audio and computer/MIDI systems, professional quality audio and video recording equipment, and VoceVista software with electroglottograph and sound pressure level meter for voice research.

*Computer Facilities* — The Electroacoustic Music Studio supports the composition of electroacoustic music and features hardware and software for synthesis, sampling, signal processing, recording, and mastering. The Computer Laboratory contains networked workstations, each with a Macintosh computer, a digital keyboard, and a variety of software, including Finale, Sibelius, Sound Forge, and others used for music theory and sequencing.

*The Ames Library* provides access to a wide range of resources for the study of music, as well as vocal and music performance. An extensive collection of music scores, periodicals, books, and sound recordings is available on the third floor of The Ames Library, and members of the IWU community also have access to digital collections of streaming media available 24/7. Performing editions of keyboard, instrumental, and vocal compositions are supplemented by collected editions of major composers and other historical sets, and rare printings of early music are available through Special Collections. Recordings of major School of Music performances are also housed in The Ames Library, and outstanding student compositions are accessible through the Digital Commons repository. Library collections represent nearly every aspect of music scholarship, including historical musicology, music theory, music education, jazz, opera music theatre, sacred music, and world music. Library faculty, including the University Copyright Officer, are available for consultation about acquiring materials for performances and research and on navigating the complexities of performance rights and permissions.

The Ames Library also provides access to a number of technology tools supporting music research and performance, including media creation, editing, and presentation software. The Thorpe Center, also located on the third floor of the library, includes a One Button Studio, allowing easy access to technology required to record musical and vocal performances. For more information on music resources in the library, please visit: <https://libguides.iwu.edu/music>

### **Special Programs and Opportunities**

*Concerts and Recitals* — Members of the University community and the citizens of Bloomington-Normal have the opportunity to attend a variety of excellent faculty and student recitals, concerts by university ensembles, programs presented by guest artists and performing groups, and many programs sponsored by nearby Illinois State University and concerts by the Illinois Symphony Orchestra.

*Symposium of Contemporary Music* — Founded in 1952, the annual Symposium centers around prominent guest composers and performers. IWU faculty and students participate in the performance of works by guest composers and in discussions on aesthetic or analytical issues. Guests also give master-classes and presentations to composition and performance students. Recent guests have included Jiyoun Chung (2021), Roy Magnuson (2019), Pamela Z (2018), Judith Shatin (2017), Eve Beglarian (2016), Kyle Gann

(2016), The Fifth House Ensemble (2015), John Daversa (2014), and Chinary Ung (2013).

*Summer Programs* — The School of Music offers a Chamber Music Camp open to high school and college students.

*Preparatory Instruction* — Pre-college students are accepted in piano, strings, brass, woodwinds, percussion, and voice for instruction in music performance and musicianship skills. The work is normally carried out in a combination of group and private lessons that may serve as a laboratory group for college students who are preparing to become music teachers. The calendar of the preparatory program coincides with the academic year.

### **Opportunities for All University Students**

The School of Music offers a variety of courses and performance opportunities that are available to all University students. Students interested in fulfilling General Education requirements in The Arts through participation in ensembles and/or applied music lessons should refer to the General Education section of the *Catalog* for specific requirements. Study in applied music and participation in music ensembles and organizations are available to all qualified students at the University. Admission into ensembles, with the exception of Titan Band (MUS 25X), is based upon audition. All applied study requires the consent of the instructor. An extra fee is charged for private lessons beyond those required by the curriculum. Additional music courses are available to those students who possess the prerequisite knowledge of music theory and who are able to arrange compatible scheduling.

### **Baccalaureate Programs**

The School of Music offers three degrees: a Bachelor of Music (BM) in Performance, a Bachelor of Music Education (BME), and a Bachelor of Arts (BA) in Music. In addition to the majors, 3 minors are offered: Music, Arts Management and Jazz Studies.

Programs of study are available that lead to the professional degrees Bachelor of Music and Bachelor of Music Education, as well as a liberal arts degree, the Bachelor of Arts in Music. Students in the Bachelor of Music Performance, and Bachelor of Music Education may choose from the following primary instruments: classical guitar, band instruments, keyboard, orchestral instruments, or voice. Admission into all baccalaureate degree programs is based on an audition and academic preparation. Each degree program is divided into an upper and a lower division; initial acceptance does not guarantee acceptance into the upper division. The lower division core curriculum for all music majors encompasses the first year and sophomore year and is comprised of: (1) specified courses in the liberal arts, (2) basic musicianship sequence, (3) the four-semester sequence of music theory, (4) three semesters of music history courses, (5) applied study in the major and/or minor instrument, and (6) performing ensembles. The first year course of study is outlined below.

### **The First Year Course of Study (For All Professional Degrees)**

	Units
Applied Major	1
Music Theory	1
Keyboard Skills (Remedial)	NC
General Education	4
Ensemble	.5
P.E.	NC
TOTAL	8.5

In the sophomore year, the student begins to explore courses specific to their area in music, (e.g., performance or music education) in anticipation of admission to upper division study. During the sophomore year, students apply for admission to upper division study in music. At that time each student's performance in courses delivered by the School of Music is evaluated in terms of the quality and appropriateness of work completed to date in relation to the major area in which degree candidacy is sought. Once admitted to upper division study, the student engages in studies that further develop skills and concepts acquired during the first year and sophomore years and that provide increasing breadth and depth. Such studies include: (1) further courses in the liberal arts, (2) advanced courses in music history and music theory-related courses, (3) performing ensembles, (4) studies in the major area, and (5) courses selected in consultation with the advisor that are supportive of the individual interests and abilities of the student.

### **Academic Advising, Placement, and Career Counseling**

Each entering student is given an audition in order to determine an appropriate program of study. Specific course requirements for the various degrees are presented on the following pages in summary form. Students are provided with prescribed schedule guidelines and counsel by experienced faculty advisors from the time of entry to the completion of the degree. The University's Hart Career Center assists seniors and graduates in securing appropriate employment or entry into graduate programs.

### **Requirements for Degrees**

Applied lessons are available in the following areas: Voice, Piano, Stringed Instruments (Violin, Viola, Cello, Double Bass), Woodwind Instruments (Flute, Oboe, Clarinet, Bassoon, and Saxophone), Brass Instruments (French Horn, Trumpet, Trombone, Euphonium, and Tuba), and Percussion Instruments. BM and BME applied lessons are 60 minutes long. BA and minor lessons are 30 minutes. For non-majors, an applied lesson fee will be charged (see page 25).

The following requirements and limitations apply generally to all music degree candidates:

- 1) Attendance at recitals in accordance with requirements set by the music faculty.
- 2) Attendance at and participation in music convocation and the regular repertoire classes supportive of the applied major field.
- 3) Participation in at least one appropriate ensemble during each semester

in residence. Consult the School of Music Handbook for more detailed information.

- 4) Demonstration of proficiency in piano at the levels required for the various degrees.
- 5) Substitutions in the prescribed courses of study may be permitted only by approval of the Director of the School of Music.
- 6) A minimum GPA of 2.0, with no more than 1 course unit of 'D' work in music and no more than 3 total units of 'D' work may be counted toward the degree.
- 7) At least 9 course units of work counted toward a degree must be from upper division offerings (numbered 300 or higher) and at least four of these units must be in the major field or concentration. Refer to the Bachelor of Music Education section (page 249) for specific requirements for the degree.

### **Bachelor of Music**

A minimum of 35 course units of credit are required for completion of the Bachelor of Music degree. Every BM degree candidate is required to complete one semester of 014x and six semesters of 015x. The other requirements for the BM degrees are as follows:

#### ***1) Major Sequence in Piano Performance:***

A minimum of 25 course units in music to include:

- A. Seven units of applied major study
- B. 103, 104, 124, 201, 202, 203, 204, and 208 (seven and one-half units)
- C. One unit in music history and literature taken as a writing intensive course (W) selected from 385w, 386w, 387w, 388w
- D. One unit upper-division theory (309) OR one additional unit in upper-division music history and literature selected from 385, 385w, 386, 386w, 387, 387w, 388, and 388w
- E. Fundamentals of Conducting, 227
- F. One semester of 14X
- G. Six semesters of 15X
- H. Two units accompanying, 31, or appropriate ensembles (one unit minimum in accompanying)
- I. Three units of music electives (minimum)
- J. Piano Pedagogy 366 (1 unit)
- K. Foundations and Principles of Music Education, 132 (1 unit)
- L. Private Teaching, MUS 314 (.5 units)
- M. One-half unit of chamber music.

#### ***2) Major Sequence in Vocal Performance:***

A minimum of 25 course units in music to include:

- A. Seven units applied major study
- B. 103, 104, 124, 201, 202, 203, 204, 205, and 206 (eight units)
- C. One unit in music history and literature taken as a writing intensive course (W) selected from 385w, 386w, 387w, 388w
- D. One unit upper-division theory selected from 301, 302, and 309
- E. MUS 227 (.5 units)
- F. One semester of 14X



- G. Six semesters of 15X
- H. Two units of work in appropriate ensembles and organizations
- I. Two units of music electives (minimum)
- J. Two units vocal diction
- K. One-half unit opera theatre work
- L. One-half unit Vocal Pedagogy 325
- M. One-half unit Song Literature 324

### **3) Major Sequence in Instrumental Performance:**

A minimum of 26.5 course units in music to include:

- A. Seven units of applied major study
- B. 103, 104, 124, 201, 202, 203, 204, 205, and 206 (eight units)
- C. One unit in music history and literature taken as a writing intensive course (W) selected from 385w, 386w, 387w, 388w
- D. One unit upper-division theory selected (309) OR one additional unit in upper-division music history and literature selected from 385, 385w, 386, 386w, 387, 387w, 388, and 388w.
- E. One unit conducting 227 (.5) and 328 (.5)
- F. One semester of 14X
- G. Six semesters of 15X
- H. Two units of work in appropriate ensembles and organizations
- I. Music electives minimum of 4 units for strings and 4.5 units for other IP majors
- J. One-half unit of chamber music
- K. Foundations and Principles of Music Education 132 (1 unit)
- L. Private Teaching, 314 (.5 units)
- M. String Pedagogy, 321 (.5 units) for string majors only

### **Other specific requirements:**

All students pursuing the Bachelor of Music degree in Performance must present both junior and senior recitals of acceptable quality for completion of the applied music requirements for the respective levels.

### **Bachelor of Music Education (BME)**

The Bachelor of Music Education (BME) prepares students for a career in music teaching through intensive coursework combined with field experiences in K-12 music classrooms. Formal application for admission to the Teacher Education Program (TEP) is required to enroll in upper level coursework and takes place in the spring of the sophomore year. Licensure candidates must pass required state exams and meet the knowledge and performance standards outlined for all Illinois teachers. Candidates are also required to complete a minimum of one hundred clock hours of clinical experience prior to student teaching. State requirements are subject to ongoing changes. Upon satisfactory completion of the music education degree and state requirements, candidates are recommended by the Educational Studies Office for an Illinois Professional Educator License (PEL) endorsed in Music (grades PK-12). For more detailed information, including TEP admission and student teaching requirements, refer to the Teacher Education Handbook ([www.iwu.edu/educational-studies/handbooks/](http://www.iwu.edu/educational-studies/handbooks/)).

The basic requirements are specified as follows:

A minimum of 36 course units are required for the BME degree: 12.5 course units in Professional Music Education, 16.5 course units in Music (Teaching Specialization), one of which (ensembles) also fulfills the General Education requirement in “The Arts,” and 7 course units in General Education. Students must also fulfill general education requirements for BME, see page 100. In the state of Illinois, Music Education majors must not receive lower than a C- in any professional education and/or music coursework. A grade of C- or higher must be earned in all music, music education, and educational studies courses in order to gain licensure. In addition, music education students must maintain a minimum 2.75 cumulative GPA, 2.75 music GPA, and 2.85 professional education GPA to be accepted into the Teacher Education Program (TEP). An explanation of which courses fall under the content area (music) and professional education GPAs can be found on pages 41-43 of the Teacher Education Handbook ([www.iwu.edu/educational-studies/handbooks/](http://www.iwu.edu/educational-studies/handbooks/)). A minimum of 30 course units in music specialization and professional music education to include:

### **Degree Requirements**

- A. Three and one-half course units in applied concentration study
- B. Eight course units from 103, 104, 124, 201, 202, 203, 204, 205, 206 (if piano concentration, take 207 and 208 instead of 205 and 206)
- C. One unit in music history and literature taken as writing intensive course (W) selected from 385w, 386w, 387w, 388w
- D. One course unit in upper-division theory (309)
- E. One course unit in conducting
- F. One semester of 14X
- G. Five semesters of 15X
- H. 1.75 course units (seven semesters) of work in appropriate music ensembles (if piano concentration, complete .5 units in accompanying, 031)
- I. 1.25 course units of music electives
- J. Two and one-half course units in instrumental and vocal techniques courses
- K. Nine course units in music education: Foundations and Principles of Music Education 132; Elementary General Music Methods 232; Special Topics: Music and the Exceptional Child 250 or The Exceptional Child EDUC 257; Instrumental Music Methods 333A; Choral Music Methods 333B; and Student Teaching in Music 497A
- L. One course unit in Educational Studies: Reading, Writing, and Communication in the Content Area EDUC 365
- M. Two seasons of Titan Band (for wind and percussion concentrations)

### ***Application to Music Teacher Education Program***

An Upper Division Assessment is completed during the spring semester of the sophomore year. Music Education candidates must successfully pass all portions of the assessment including the applied upper division jury, for admission to the Teacher Education Program and Upper Division status. If a student is deficient on any portion of the assessment that can be rectified in a semester, the Music Teacher Advisory Committee (MTAC) in consultation with the Director of the

School of Music will create a remediation plan. The student will be granted one semester (fall, junior year) of probation, and may enroll in 232 and 333A during the probationary semester. If documented progress has not occurred by the end of the probationary semester, the student will be dismissed from the program and not be permitted to enroll in 333B, 497, and 427.

### **Bachelor of Arts (BA)**

The Bachelor of Arts (BA) in Music is designed for students who wish to complete a general study of music within a liberal arts curriculum and is the preferred degree for those who wish to double major. Course work and experiences are designed to provide opportunities for students to develop basic musicianship skills, performance skills, and to engage in a broad study of musical repertoire. Acceptance into the BA in Music sequence is based upon evaluation by music faculty members of an audition and an interview.

The music minor concentration is intended for qualified students who have a background in music and who wish to complete a secondary concentration in this area to complement their studies in the liberal arts. The minor concentration includes studies in the performance of music, development of basic musicianship skills, and opportunities to explore selected musical literature. To complete a minor in music studies, a student must seek assistance with course selection and Sequence from either the Director of the School of Music or a designated music advisor.

#### ***Major Sequence in Music:***

A minimum of 13 course units in music including:

- 1) 100A (no credit), 100B (no credit), 103; 104; 124; 201; 202; and 203 or 204 (six units total)
- 2) One unit in music history and literature taken as a writing intensive course (W) selected from 385w, 386w, 387, and 388w
- 3) Two additional units in music history and literature OR one additional unit in music history and literature and one unit in music theory (309). History and literature courses are to be selected from 385, 385w, 386, 386w, 387, 387w, 388 388w
- 4) Two course units of applied B.A. study (.25 units each semester)
- 5) One course unit in appropriate ensembles. Pianists may fulfill any portion with accompanying, 031-01
- 6) One course unit of music electives
- 7) One semester of 14X
- 8) Five semesters of 15X

#### ***Minor Sequence in Music:***

A minimum of 8 course units in music including:

- 1) 103, 104, 124, and either 201 or 202 (four units total)
- 2) One unit of applied minor study (.25 units each term for four terms)
- 3) One unit of ensemble
- 4) One unit of music history/literature (to be selected from 353, 353w, 355, 355w, 356, 356w, 357, 357w, 358, 358w)
- 5) One unit of music electives

- 6) One semester of 14X
- 7) Three semesters of 15X

### **Jazz Studies**

The minor in Jazz Studies is designed for music majors and non-music majors who seek a substantial understanding of jazz music, particularly in the areas of arranging, harmony, history, improvisation, performance, and theory. Requirements for this minor program are different for music majors than for non-music majors.

#### ***Minor Sequence in Jazz for Music Majors:***

The total number of units is five, and none of the courses cited below can count toward any of the major degree programs for music. Furthermore, music majors must also meet the prerequisites for each of these courses.

- 1) Jazz Improvisation 216 (one unit)
- 2) Jazz History 264 (one unit)
- 3) Jazz Piano 303 (one unit)
- 4) Jazz Theory, Harmony, and Arranging 305 (one unit)
- 5) Jazz Ensemble 034 (.25 units); taken more than once\*
- 6) Jazz Lab Band and Combos 035 (.25 units); taken more than once\*

\*Any combination of Jazz Ensemble, Jazz Lab Band, Unlicensed Syncopation, or Combo, will meet this requirement provided that students participate in at least one of these ensembles for a total of four semesters (also, the ensemble selected does not have to be the same one each of the semesters).

#### ***Minor Sequence in Jazz for Non-Music Majors:***

The total number of course units is seven.

- 1) An audition (as an instrumentalist or vocalist)
- 2) Jazz Improvisation 216 (one unit)
- 3) Jazz History 264 (one unit)
- 4) Jazz Piano 303 (one unit)
- 5) Jazz Theory, Harmony, and Arranging 305 (one unit)
- 6) Jazz Ensemble 03 (.25 units); taken more than once\*
- 7) Jazz Lab Band and Combos 035 (.25 units); taken more than once\*
- 8) Music Theory I 103 (one unit)
- 9) Music Theory II 104 (one unit)
- 10) Applied Music 100 (.25 units); taken more than once\*\*

\*Any combination of Jazz Ensemble, Jazz Lab Band, Unlicensed Syncopation, or Combo will meet this requirement provided that students participate in at least one of these ensembles for a total of four semesters (also, the ensemble selected does not have to be the same one each of the semesters).

\*\*This course must be taken twice and in most cases, the focus of applied instruction will be on classical music, not jazz music. Techniques for performing jazz music will be learned in Jazz Ensemble, Jazz Improvisation, Jazz Lab Band and Combos, and Jazz Piano.

#### ***Minor Sequence in Arts Management:***

Requirements for the Arts Management minor can be found on page 143

## **Basic Musicianship**

**14X Colloquia in Music (0)** This course will expose first-year music majors and minors to a variety of musical styles, forms and topics in musical leadership through attendance at performances and colloquia given by faculty and guest artists. Students will gain a framework upon which future musical study will be based. *Offered each fall.*

**15X Experiencing the Live Performance of Concert Repertoire (0)** This course will expose music majors and minors to a variety of musical styles, forms, and artistic interpretations through attendance at a required number of performances. Through listening to performances and observing performers, students will develop their own personal style and strategies for use in preparation of their own musical presentations. *Offered each semester.*

**100A (0), 100B (0) Keyboard Basics** A course of instruction for those music majors whose keyboard preparation is insufficient to effectively interact in the first-year theory sequence without additional tutoring in keyboard skills. Is not part of basic degree requirements. *Offered each semester.*

**101 Beginning Class Piano for Non-Music Majors (.5)** This course is taught in a classroom environment and is for non-music majors who have minimal keyboard background. Students will learn to play with both hands in a variety of keys. Students will also be taught to improvise, to harmonize, and to sight read on a basic level. Observation of and participation in musical performances is expected. *Offered each semester.*

**102 Beginning Class Voice (.5)** This course is designed for students who want to learn how to sing but who have little or no experience studying voice. Students will be taught the fundamentals of healthy vocal production, study traditional singing techniques, and explore classical song repertoire. Must be able to match pitch. *Offered each fall.*

**103 Theory I** Basic materials of music, scales, intervals, primary and secondary chords, elementary voice-leading, basic harmonic analysis and related aural skills. Course includes two electronic modules on fundamentals and fluency to be completed before and during the first semester of study. Passing the second module is required to passing the course. *Offered each fall.*

**104 Theory II** Secondary dominants, more advanced voice-leading, harmonic analysis, elementary formal analysis; related aural and keyboard skills instruction is integrated with written work in a laboratory situation. Prerequisite: MUS 103 or equivalent skill. *Offered each spring.*

**113 Audio Recording Techniques** Introduction to digital audio recording, editing, and mastering. Prerequisite: Consent of instructor. *Offered in alternate years, fall.*

**114 Introduction to Music Technology** Introduction to music technology for performers, composers, and educators. Topics include: MIDI, Digital Audio & Video, web-based music tools, designing music-related computer applications, and interactive sound design. *Offered in alternate years, spring.*

**124 Life Soundtracks (AR, G)** An exploration of music as social phenomenon and the roles it plays in connection with primordial facets of the human condition around the world: love, religion, identity, politics, story-telling, etc. The course is designed for anybody who enjoys music and wants to expand their experience across genres and cultures. No musical background necessary. *Offered every Spring.*

**201 Survey of Western Art Music I (CHC)** This is the first part of a two-semester introduction to some of the most prominent intellectual, aesthetic and stylistic trends in Western classical music, and to its most important literature, genres, and composers. It spans from Antiquity through the Baroque Period and includes a substantial amount of required listening. Prerequisite: MUS 104 or equivalent skill. *Offered each spring.*

**202 Survey of Western Art Music II (CHC)** This is the second part of a two-semester introduction to some of the most prominent intellectual, aesthetic and stylistic trends in Western classical music, and to its most important literature, genres, and composers. It spans from the Classical Period through the present and includes a substantial amount of required listening. Prerequisite: MUS 104 or equivalent skill. *201 offered each fall; 202 offered each spring.*

**203 Theory III** Chromatic harmonies/borrowed chords, advanced voice leading and part writing, formal analysis, aural skills instruction are integrated with written work. Prerequisite: MUS 104 or equivalent skill. *Offered each fall.*

**204 Theory IV** Twentieth century compositional/harmonic techniques, advanced formal analysis; aural skills instruction is integrated with written work. Prerequisite: MUS 203. *Offered each spring.*

**205 Functional Piano I (.5)** A keyboard-oriented reinforcement of theoretical concepts with special attention to the development of sufficient keyboard technique to handle the demands of vocal and instrumental accompaniments, basic score reading, harmonization and improvisation. Prerequisite: MUS 104 or equivalent proficiency. *Offered each fall.*

**206 Functional Piano II (.5)** A keyboard-oriented reinforcement of theoretical concepts with special attention to the development of sufficient keyboard technique to handle the demands of vocal and instrumental accompaniments, basic score reading, harmonization and improvisation. Prerequisite: MUS 205. *Offered each spring.*

**207 Keyboard Harmony I (.5)** Techniques of melodic harmonization, transposition, sightreading, realization of figured bass, improvisation, and other related skills. Designed specifically for music majors with keyboard as the major applied instrument. Prerequisite: MUS 104 or equivalent skill. *Offered each fall.*

**208 Keyboard Harmony II (.5)** Techniques of melodic harmonization, transposition, sightreading, realization of figured bass, improvisation, and other related skills. Designed specifically for music majors with keyboard as the major applied instrument. Prerequisite: MUS 207. *Offered each spring.*

**209 Improvisation Workshop (.5)** Instrumentalists and vocalists will unlock their creativity as performers by learning to make music spontaneously. Attentive listening, musical interaction, and letting go of constricting inhibitions will be developed through exercises, discussions, and demonstrations, culminating in a public performance. Pre-requisite: Consent of instructor; music majors/minors preferred. *Offered in alternate years, spring.*

**315 The Entrepreneurial Musician** Today more than ever, musicians need to be entrepreneurial in nearly every aspect of their careers. This course will cover a wide range of subjects related to music entrepreneurship. Field trips will be taken, guest speakers will be engaged, and the draft of an individual career plan will be developed. Prerequisite: Open to junior and senior music majors, sophomore music majors with consent of instructor. *Offered occasionally.*

**397 Internship in Music (.5, .75, 1)** Supervised experiential learning for students in music. A project/paper is required. Offered on a credit/no-credit basis; counts for degree, not major. Enrollment arranged in consultation with a supervising music faculty member and the Director of the School of Music. Unit value earned is determined by the number of hours worked. May be repeated for credit up to a total of two units. Prerequisite: Open to sophomores, juniors, and seniors. *Offered each semester, in May Term, and during the summer.*

## **Music Theory and Composition**

**211 Composition II (.5)** Includes weekly seminar class and continued creative work in composition. Prerequisite: MUS 112 or consent of instructor. *Offered each fall.*

**212 Composition III (.5)** Includes weekly seminar class and continued creative work in composition. Prerequisite: MUS 211 or consent of instructor. *Offered each spring.*

**216 Jazz Improvisation** Students will be introduced to the harmonic, melodic, and rhythmic elements of various styles of jazz and will learn the techniques for improvising in these styles. This course is intended for both instrumentalists and vocalists and will feature in-class playing and singing of improvisations. Also, transcribed improvisations will be analyzed. Prerequisite: MUS 103 and 104. *Offered in alternate years.*

**301 Modal and Tonal Counterpoint** Students will learn to analyze and write music in the High Renaissance and late Baroque styles of Palestrina, J.S. Bach, Vivaldi, Corelli and Handel. Recognizing the value of historical pedagogical methods, students will be guided by 18th-century composer-theorists' writings as much as current textbooks. Topics include species counterpoint, figured bass realization, partimento, schema theory, inventions and fugue. Prerequisite: MUS 204 or consent of instructor. *Offered occasionally.*

**302 Classical Form and Analysis** This course focuses on the study of Classical form and recent advances in Formenlehre. Adopting a multi-parametric approach, it helps students understand how melodic design, harmony, motivic elaboration, phrase rhythm, formal functions, and other elements interact to produce works of lasting merit. Aesthetic considerations such as musical rhetoric, coherence, and logic also guide class analyses. Prerequisite: MUS 204. *Offered occasionally.*

**303 Jazz Piano** This will be a study of jazz (e.g., categories of chords; chord voicings for piano, chord progressions, etc.) followed by a study of the melodic resources for jazz (i.e., scales and modes) and the interpretation of lead sheets. Essential piano arranging and improvisation techniques will be discussed. Prerequisites: MUS 100A, 100B, 103, and 104. *Offered in alternate years or every third year, fall.*

**305 Jazz Theory, Harmony and Arranging** This course will examine a large number of the elements associated with jazz theory, harmony, and arranging, particularly as applied to ensemble music. Also, selected jazz ensemble arrangements will be analyzed and students will create their own arrangements of preexisting compositions (expressed originally as lead sheets) for jazz ensemble. Prerequisite: MUS 103 and 104. *Offered in alternate years, spring.*

**309 Orchestration** Physical and sonic characteristics of orchestral instruments, individually and in combination. In-class demonstrations; performances of student assignments; analysis of orchestrational techniques in the works of important composers; final project in composing or arranging for orchestra. Prerequisite: MUS 103 or consent of instructor. *Offered annually.*

**311 Composition IV** Includes weekly seminar class and continued creative work in composition. Prerequisite: MUS 212 or consent of instructor. *Offered each fall.*

**312 Composition V** Includes weekly seminar class and continued creative work in composition. Prerequisite: MUS 311 or consent of instructor. *Offered each spring.*

**313 Electroacoustic Music** History and literature of electronic and computer music. Techniques of sound production, modification and recording, with an emphasis on creative compositional applications. Prerequisite: Consent of instructor. *Offered alternate years, fall.*

**411 Composition VI** Includes weekly seminar class and continued creative work in composition. Prerequisite: MUS 312 or consent of instructor. *Offered each fall.*

**412 Composition VII** Includes weekly seminar class and continued creative work in composition. Prerequisite: MUS 411 or consent of instructor. *Offered each spring.*

## **Music Education**

**132 Foundations and Principles of Music Education** This course provides opportunities to examine fundamental components of music education that explore historical and current music pedagogies, philosophies, and theories as well as offer

experiences with teaching-learning interactions through observation, concept-integration, evaluation, and teaching episodes. *Offered each spring.*

**221 String Techniques (.5)** A laboratory class in string instrument techniques and teaching materials and methods designed to familiarize students with the fingerings and idioms of the instruments. Attention is also given to the study of pedagogical strategies and arranging appropriate to the grade level. *Offered each spring.*

**222A, 222B Woodwind Techniques (.25)(.25)** A laboratory class in woodwind instrument techniques and teaching materials and methods. Attention is also given to the study of pedagogical strategies and arranging appropriate to the grade level. Must be taken in sequence. Prerequisite: BME students only, or consent of instructor. *222A offered each fall; 222B offered each spring.*

**223 Brass Techniques (.5)** A laboratory class in brass instrument techniques and teaching materials and methods. Attention is also given to the study of pedagogical strategies and arranging appropriate to the grade level. *Offered each semester.*

**224 Percussion Techniques (.5)** A laboratory class in percussion instrument techniques and teaching materials and methods. Attention is also given to the study of pedagogical strategies and arranging appropriate to the grade level. *Offered each semester.*

**225 Vocal Techniques (.5)** A laboratory class in vocal techniques and teaching materials and methods. Attention is also given to the study of the basic anatomy and physiology of voice production and its application to teaching. *Offered each fall.*

**227 Fundamentals of Conducting (.5)** Designed to assist the student in acquiring a mastery of applied understanding of the basic conducting techniques. These include accurate conducting patterns, independent use of the left hand, active and passive gestures, expressive gestures, and integration of musicianship. Basic score study and transposition are also covered. Prerequisite: MUS 100B and 104, or permission of instructor. *Offered each semester.*

**232 Elementary General Music Methods** This concept-focused course provides application of established methodologies and approaches (Orff, Kodály, Dalcroze, and Gordon) along with current research in constructing, implementing, and assessing music lessons for elementary-aged children. Peer teaching and field experiences in elementary general music classrooms are required. Prerequisite: MUS 132 with a 'C' or higher. *Offered each spring.*

**314 Private Teaching (.5)** The aspects of private teaching applicable to all instruments/voice, history of pedagogues and schools of pedagogy, and anatomical/physiological background for playing instruments. Topics include lesson "etiquette," communication with families, recruitment, recital planning, and other aspects of running a private studio. Students will develop a teaching philosophy and studio handbook. *Offered every other fall.*

**328 Instrumental Conducting (.5)** Attention is focused on the refinement of fundamental conducting techniques. Kinesthetic, aural, and rehearsal techniques are applied to the successful conducting of an instrumental ensemble. Attention is also given to the study of arranging, orchestral bowings and transpositions. Prerequisite: MUS 227. *Offered each spring.*

**329 Choral Conducting (.5)** Basic beat patterns are coordinated with the specific demands of choral literature. Ear training and conducting exercises supplement instruction in manual technique. The study of choral performance includes warm-ups, physical preparation, posture, breath, tone, balance, diction, intonation, rhythm, and more. Other topics include organization of choral groups, testing and classification of voices, the audition procedure, program building, arranging, score analysis, and marking and rehearsal techniques. Prerequisite: MUS 227. *Offered each fall.*

**333A Instrumental Music Methods** This course provides opportunities to develop research-based techniques and materials for teaching instrumental music in both established and less established ensemble settings while acquiring appropriate



technology skills to support instruction. Peer teaching and field experiences in secondary instrumental music classrooms are required. Prerequisite: MUS 132 and 232 with a 'C' or higher. *Offered each fall.*

**333B Choral Music Methods** This course is designed to develop research-based ensemble teaching strategies and to develop lessons and curricular units relevant to performance skills and music literacy in the secondary choral music classroom. Peer teachings and field experiences in secondary choral music classrooms are required. Prerequisite: MUS 132 and 232 with a 'C' or higher. *Offered each spring.*

**427 Practicum in Music Education (.25 or .5)** The application of knowledge and skills acquired in courses to a live teaching situation. Prerequisite: Junior standing, successfully pass all portions of the BME upper division interview, and admittance to upper division status within the BME program. *Offered each semester.*

**428 Advanced Instrumental Conducting (.5)** Advanced rehearsal techniques involved in the performance of excellent orchestral and band literature; refinement of baton technique and careful attention to analysis and interpretation of instrumental scores. Students have the opportunity to conduct a lab ensemble. Prerequisite: MUS 328. *Offered each fall.*

**429 Advanced Choral Conducting (.5)** This course focuses on the refinement of manual technique, rehearsal procedures and aspects of interpretation (i.e., performance practice, stylistic understanding, and arranging). Larger choral/orchestral works are discussed from the conductor's viewpoint. *Offered every other spring.*

**497A Student Teaching in Music (4)** Students develop licensure expectations, explore components of the job search, and discuss/evaluate current issues in music education through student teacher placement experiences in both elementary and secondary settings under the guidance of certified personnel and the university supervisor concurrently with a weekly seminar. Prerequisite: All state-mandated requirements as articulated in the Teacher Education Program Handbook. *Offered each semester.*

## **Music History and Literature**

**164 The Gourmet Listener (AR)** Designed for liberal arts students, this course is an introduction to the numerous genres of Western concert music. Emphasis will be placed on identifying different styles and forms of music. Features live performances. *Offered occasionally.*

**201 Survey of Western Art Music I (CHC)** This is the first part of a two-semester introduction to some of the most prominent intellectual, aesthetic and stylistic trends in Western classical music, and to its most important literature, genres, and composers. It spans from Antiquity through the Baroque Period and includes a substantial amount of required listening. Prerequisite: MUS 104 or equivalent skill. *Offered each fall.*

**202 Survey of Western Art Music II (CHC)** This is the second part of a two-semester introduction to some of the most prominent intellectual, aesthetic and stylistic trends in Western classical music, and to its most important literature, genres, and composers. It spans from the Classical Period through the present and includes a substantial amount of required listening. Prerequisite: MUS 104 or equivalent skill. *Offered each spring.*

**245/345 World Music (IT, G) (Cross-listed with ANTH 245/345)** This course explores how the social production of gender has interacted with music in select societies around the world and over time. Under study is the social life of music and the ways in which gender ideology has impacted how, why and by whom music is made. Case studies consider the gendered nature of musical production, interpretation, and the transformation. By tracing changing ideas about the role of women in society and how those ideas have influenced music vice versa, the intellectual traditions that shape and are shaped by music are better understood. *Offered in alternate years.*

**250 Special Topics in Music** Dedicated to specific topics, periods, styles or ideas in music. May be repeated for credit if the topic is not duplicated. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*

**264 Jazz History (U, AR)** The origins, evolution, and emergence of jazz as an art form. Lectures, readings, and listening to recorded and live performances illustrate various styles in the development of jazz. An emphasis is placed on individual styles important to the periods of jazz. Open to all students. *Offered each fall.*

**266 Race Records and the Music of Black America (CHC, U)** This course explores the development of the music of Black Americans beginning with its origin in slavery and moving through to its evolution in modern popular genres such as rap and Hip Hop. We will explore the recurring themes of race as they pertained to popular music development, dissemination, and appropriation. *Offered each spring.*

**350 Special Topics in Music** Intensive study in a selected topic in music. Topics vary from semester to semester. Open to all students. May be repeated for credit if the topic is not duplicated. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*

**358 History of Musical Style VI: Post-World War II to the Present** The expanding concert-music universe of the contemporary era. The modernist, neoclassic, and postmodern aesthetics; the exploration of timbre, texture, and intonation; the growth of electronic and computer music; the development of new forms of music theater, sound art, and multimedia; the profound effects of popular, jazz, and traditional musics. Substantial listening required. Prerequisite: MUS 202. *Offered in alternate years, spring.*

**358w History of Musical Style VI: Post-World War II to the Present (W)** The expanding concert-music universe of the contemporary era. The modernist, neoclassic, and postmodern aesthetics; the exploration of timbre, texture, and intonation; the growth of electronic and computer music; the development of new forms of music theater, sound art, and multimedia; the profound effects of popular, jazz, and traditional musics. Substantial writing and listening required. Prerequisite: MUS 202. *Offered in alternate years, spring.*

**370 Special Topics in Music** Intensive study of a selected topic in music for music majors. Topics will vary from semester to semester. May be repeated for credit if the topic is not duplicated. *Offered occasionally.*

**385 Romanticism in Music** This course explores important ideas associated with Romanticism – with particular emphasis on Early German Romantic literature, aesthetic categories, and recurring tropes – and their connection with Western Art Music. It focuses on works by Beethoven, Schumann, Schubert, Chopin, Brahms, and Wagner and explores their aesthetic values and language, in connection with their cultural surroundings. Prerequisite: Junior standing or consent of instructor. *Offered in alternate years, fall semester.*

**385w Romanticism in Music (W)** This course explores important ideas associated with Romanticism- with particular emphasis on Early German Romantic literature, aesthetic categories, and recurring tropes - and their connection with Western Art Music. It focuses on works by Beethoven, Schumann, Schubert, Chopin, Brahms, and Wagner and explores their aesthetic values and language, in connection with their cultural surroundings. Prerequisite: Junior standing or consent of instructor. *Offered in alternate years, fall semester.*

**386 Modernism, Post-Modernism, and Contemporary Trends in Music** This course explores several important ideas that shaped Western Art Music from Modernism until the present. Rather than a survey of the multitude of relevant trends, it focuses on a number of selected “topics” explored through a multidisciplinary approach and used as background for the understanding and experiencing of musical works. Prerequisite: Junior standing or consent of instructor. *Offered in alternate years, fall semester.*

**386w Modernism, Post-Modernism, and Contemporary Trends in Music (W)** This course explores several important ideas that shaped Western Art Music from Modernism

until the present. Rather than a survey of the multitude of relevant trends, it focuses on a number of selected “topics” explored through a multidisciplinary approach and used as background for the understanding and experiencing of musical works. Prerequisite: Junior standing or consent of instructor. *Offered in alternate years, fall semester.*

**387 Instrumental Music** This course explores the idea of instrumental music and some of its repertoires. It traces its origins in the Western Art traditions and looks at theories of how it expresses. It also explores genres from the tradition in question (e.g., symphony and string quartet), and improvised genre from Arab Classical music (taqasim), and film music. Prerequisite: Junior standing or consent of instructor. *Offered in alternate years, spring semester.*

**387w Instrumental Music (W)** This course explores the idea of instrumental music and some of its repertoires. It traces its origins in the Western Art traditions and looks at theories of how it expresses. It also explores genres from the tradition in question (e.g., symphony and string quartet), and improvised genre from Arab Classical music (taqasim), and film music. Prerequisite: Junior standing or consent of instructor. *Offered in alternate years, spring semester.*

**388 Music and the Stage** This course explores a number of musical works for the stage inside and outside the Western Art tradition. It focuses on opera, its meanings, conventions, stories and musical styles from Monteverdi to the 21st century. It also explores the genres of ballet (with special attention to Tchaikovsky’s and Stravinsky’s ballets), the musical, and the Chinese opera. Prerequisite: Junior standing or consent of instructor. *Offered in alternate years, spring semester.*

**388w Music and the Stage (W)** This course explores a number of musical works for the stage inside and outside the Western Art tradition. It focuses on opera, its meanings, conventions, stories and musical styles from Monteverdi to the 21st century. It also explores the genres of ballet (with special attention to Tchaikovsky’s and Stravinsky’s ballets), the musical, and the Chinese opera. Prerequisite: Junior standing or consent of instructor. *Offered in alternate years, spring semester.*

**450 Independent Study (.5) (1)** Studies of selected topics in the areas of music history and literature, music education, performance practice, or sacred music. May be repeated for credit. Prerequisite: Junior standing and consent of instructor. *Offered each semester.*

## **Applied Music**

**100 Minor Study (.25)** Applied music lessons open to all students with consent of instructor and payment of the applied music lesson fee. Students will be assigned to teachers for one half-hour private lesson each week. Jury, technical examination, and weekly repertoire class are not required. *Offered each semester.*

**100X (0) Minor Study** Applied music lessons open to all students with consent of instructor and payment of the applied music lesson fee. Students will be assigned to teachers for one half-hour private lesson each week. Depending on the area of study, some combination of jury, technical examination, and weekly repertoire class is required. *Offered each semester.*

**171, 173 Freshman Applied B.A. (.25) (.25)** Instruction in the principal field of applied music is designed to prepare students to meet the performance requirements in the B.A. degree program in addition to providing a laboratory for the study of the literature of the art of music. Instruction is available in the following fields: Voice, Keyboard Instruments (Piano, Organ, Harpsichord), Stringed Instruments (Violin, Viola, Cello, Double Bass and Classical Guitar), Woodwind Instruments (Flute, Oboe, Clarinet, Bassoon, Saxophone), Brass Instruments (French Horn, Trumpet, Trombone, Euphonium, Tuba), Percussion Instruments. *171 offered each fall; 173 offered each spring.*

**181, 183 Freshman Applied Major (.5) (.5)** Instruction in the principal field of applied music is designed to prepare students to meet the performance requirements in the various degree programs in addition to providing a laboratory for the study of

the literature of the art of music. Instruction is available in the following fields: Voice, Keyboard Instruments (Piano, Organ, Harpsichord), Stringed Instruments (Violin, Viola, Cello, Double Bass, and Classical Guitar), Woodwind Instruments (Flute, Oboe, Clarinet, Bassoon, Saxophone), Brass Instruments (French Horn, Trumpet, Trombone, Euphonium, Tuba), Percussion Instruments. *181 offered each fall; 183 offered each spring.*

**271, 273 Sophomore Applied B.A. (.25) (.25)** A continuation of applied work in the chosen field as described under 171. *271 offered each fall; 273 offered each spring.*

**281, 283 Sophomore Applied Concentration (.5) (.5)** A continuation of applied work in the chosen field as described under 181. *281 offered each fall; 283 offered each spring.*

**291, 293 Sophomore Applied Major** A continuation of applied work in the chosen field as described under 181. For potential performance majors. *291 offered each fall; 293 offered each spring.*

**300 (0) Minor Study (.25)** A continuation of applied work in the minor field as described under 100. Prerequisite: Four semesters of minor study or consent of instructor. *Offered each semester.*

**300X Minor Study** A continuation of applied work in the minor field as described under 100X. Prerequisite: Four semesters of minor study or consent of instructor. After completing this course, it will not be possible to substitute it for MUS 300. *Offered each semester.*

**371, 373 Junior Applied B.A. (.25) (.25)** A continuation of applied work in the chosen field as described under 171. *371 offered each fall; 373 offered each spring.*

**381, 383 Junior Applied Concentration (.5) (.5)** A continuation of applied work as described under 181 at the junior level. *381 offered each fall; 383 offered each spring.*

**391, 393 Junior Applied Major** A continuation of applied work in the chosen field as described under 181. A public recital is required in the junior year. *391 offered each fall; 393 offered each spring.*

**395X (0) Junior Recital** Public performance of a half recital (30 minutes) during the Junior year. Students must be concurrently enrolled in major applied lessons during the semester the recital is given. *Offered each semester.*

**471, 473 Senior Applied B.A. (.25) (.25)** A continuation of applied work in the chosen field as described under 171. *471 offered each fall; 473 offered each spring.*

**481, 483 Senior Applied Concentration (.5) (.5)** A continuation of applied work as described under 181 at the senior level. *481 offered each fall; 483 offered each spring.*

**491, 493 Senior Applied Major** A continuation of applied work as described under 181. A public recital is required in the senior year. *491 offered each fall; 493 offered each spring.*

**495X (0) Senior Recital** Public performance of a full recital (60 minutes) during the Senior year. Students must be concurrently enrolled in major applied lessons during the semester the recital is given. *Offered each semester.*

## **Pedagogy**

**366 Piano Pedagogy** Introduction to the history of piano pedagogy, overview of various piano pedagogy schools and piano teaching techniques. Examination of piano method books at the beginning through intermediate levels. In-class lectures and discussions, student presentations, and observations and intern teaching in the IWU piano preparatory program. Prerequisite: consent of instructor. *Offered occasionally.*

**320 Private Teaching Pedagogy Lab (.25)** Lesson observations and supervised teaching in the IWU String Preparatory Program, which has a long history of offering private lessons to pre-college-age students, or with approved private teachers. May be repeated for credit. Prerequisites: MUS 219 or consent of instructor. *Offered each semester.*

**321 String Pedagogy (.5)** Knowledge and materials for teaching string instruments in the private lesson setting. Students will formulate teaching strategies and study technical and musical resources for their instrument. The course includes instruction in teaching new skills, correcting problems, and guiding students' musical and technical growth at each level of their development. Prerequisites: Music major/minor of junior or senior standing, or consent of instructor. *Offered every other semester.*

## **Voice**

**38 Opera Theatre Workshop (.25)** A laboratory course devoted to the analysis and preparation of solos and ensembles based on operatic/musical drama literature chosen from opera seria to 20th century musical dramatic entertainments. Course instruction will include audition processes, stylistic performance practice, role research, musical coachings, stage movement, makeup application, and technical support systems. Prerequisite: Consent of instructor. *Offered in alternate years, fall.*

**39, 39X Opera Theatre Performance (.25)** A laboratory course devoted to the performance of operatic/musical drama literature. Prerequisite: Completion of a successful audition and consent of instructor. *Offered each semester.*

**185 English and Italian Diction** A laboratory course in English and Italian diction for singers, utilizing the International Phonetic Alphabet. *Offered in alternate years, fall.*

**195 German and French Diction** A laboratory course in French and German diction for singers, utilizing the International Phonetic Alphabet. Prerequisite: MUS 185. *Offered in alternate years, spring.*

**324 Song Literature (.5)** A survey of Art Song Literature from the 18th century through the present day. Emphasis on song study, interpretation, performance practice and skill study in the art of programming a solo voice recital performance. Prerequisite: MUS 202 or consent of instructor. *Offered as needed.*

**325 Vocal Pedagogy (.5)** A course designed to foster the development of a practical philosophy of singing and teaching. Prerequisite: MUS 225. *Offered as needed.*

## **Organizations and Ensembles**

The various ensembles listed below are open for participation by all students in the University regardless of major. The following ensembles require an entrance audition before approval to register can be granted: Illinois Wesleyan Symphony Orchestra, Collegiate Choir, Jazz Ensemble, Jazz Lab Band and Combos, Symphonic Winds, Wind Ensemble.

The "X" listing indicates that the ensemble may be taken for no credit. "X" courses will not count toward the accumulation of units required for a degree. However, coursework will be evaluated and a grade recorded on the student's transcript.

Music degree candidates enrolling in more than one ensemble in a single term must register for the "X" (no credit) number in each ensemble beyond the first.

**21, 21X Illinois Wesleyan Symphony Orchestra (.25) (0)** A symphony orchestra open by audition to all string, wind and percussion students of the University. The orchestra performs the standard orchestral repertoire and presents many concerts each year. *Offered each semester.*

**22, 22X Wind Ensemble (.25) (0)** The Wind Ensemble is comprised of the more experienced wind and percussion students at the University and performs the finest in wind and percussion literature. Besides performing many concerts at home, the Wind Ensemble also tours. *Offered each semester.*

**23, 23X Collegiate Choir (.25) (0)** A mixed ensemble that perfects the finest sacred and secular choral literature of the past five centuries. Open to all students by audition. Numerous on-and off-campus performances, including an annual tour. *Offered each semester.*

**25X Titan Band (0)** An activity band that performs at home football and basketball games. Students must register for the season, which runs from late August through the first half of March. Open to all students of the University.

**26, 26X University Choir (.25) (0)** A mixed ensemble maintained for the study and performance of sacred and secular choral literature of different periods and styles. Performs at least three times per year. Open to all students by placement audition. *Offered each semester.*

**31, 31X Chamber Music: Strings, Brass, Woodwinds, Percussion, Voice, Piano Accompaniment, and Piano Ensemble (.25) (0)** Ensembles of varying size and instrumentation which engage in the study and performance of chamber music. *Offered as needed.*

**34, 34X Jazz Ensemble (.25) (0)** Rehearsal, study and performance of all styles of music in the jazz idiom. Jazz improvisation is stressed in rehearsals and out of class assignments. Student arrangers and composers are encouraged to have their works performed. Open by audition to all students of the University. *Offered each semester.*

**35, 35X Jazz Lab Band and Combos (.25) (0)** Rehearsal, study, and performance of a variety of music for jazz combos. Jazz improvisation is stressed in rehearsals. Several combos will be formed each semester. Open by audition to all students of the University. *Offered each semester.*

### **General Education Credit in “The Arts” for Music Ensemble Participation and Applied Lessons**

Students interested in fulfilling General Education requirements in “The Arts” through participation in ensembles and/or applied music lessons may choose from among the following four options:

- A. Four semesters of piano lessons (MUS 100) OR one semester of Beginning Class Piano for Non-Music Majors (MUS 101) plus two semesters of applied piano (MUS 100).
- B. Four semester of applied voice (MUS 100) OR two semesters of applied voice (MUS 100) with concurrent enrollment in either University Choir (MUS 26) or Collegiate Choir (MUS 23).
- C. Two semesters of one of the following ensembles – Orchestra (MUS 21), Wind Ensemble (MUS 22), Jazz Ensemble (MUS 34), or Jazz Lab Band (MUS 35) – with concurrent enrollment in the appropriate applied instrumental lessons (MUS 100).

Admission into these ensembles, with the exception of Jazz Lab Band (MUS 35) is based upon audition. All applied study requires the consent of the instructor. An extra fee is charged for private lessons.

See page 99 of this *Catalog* for a full description of the general education category, “The Arts”.

## **NEUROSCIENCE**

A. *Kerr*, Director

Neuroscience examines the structure and function of the nervous system at a variety of levels, from individual molecules involved in neural function, to brain

network analysis, to behavior of the whole organism. As a field, Neuroscience combines elements of Biology, Chemistry, and Psychology. At Illinois Wesleyan University, the Neuroscience program is designed to provide students with a basic understanding of scientific concepts of each of these disciplines as they relate to the structure and function of the brain.

The major in Neuroscience includes a minimum of 13-15 courses depending on the concentration, at least 7-9 of which are 300-level or higher. Students will complete core sequences in Biology (that will give students a foundation for understanding human anatomy and physiology), Chemistry (that will give students a foundation in general chemistry), and Psychology (that will teach students about the field of neuroscience in general and provide a more in-depth study of the field through a content specific study) in addition to 300-level electives and a capstone course.

#### ***Major Sequence in Neuroscience:***

Six core courses. Students must also complete the course work in one of two concentrations (Behavioral Neuroscience or Cellular and Molecular Neuroscience).

#### ***The Neuroscience Core***

- 1) Biol 107: Human Biology: Anatomy and Physiology I
- 2) Biol 108: Human Biology: Anatomy and Physiology II
- 3) Chem 201: General Chemistry I
- 4) Chem 202: General Chemistry II
- 5) Neur 213: Behavioral Neuroscience
- 6) Neur 400: Neuroscience Capstone

#### ***Behavioral Neuroscience Concentration***

A minimum of 13 courses (at least 7 of which are 300-level or above) to include the following (In addition to the core courses listed above):

- 7) Psyc 227: Statistics
- 8) Psyc 300: Research Methods
- 9) Two additional Psychology courses from the following:
  - Neur 311: Foundations of Learning
  - Neur 313: Advanced Behavioral Neuroscience
  - Neur 314: Advanced Human Neuroscience
  - Neur 316: Neuropsychopharmacology
  - Neur 321: Brain Injury and Recovery
  - Neur 329: Special Topics in Neuroscience (as approved by program director)
- 10) Three additional courses at the 300- or 400- level.
  - Biol 307: Animal Physiology
  - Biol 310: Comparative Chordate Anatomy
  - Biol 311: Developmental Biology
  - Biol 312: Genetics
  - Biol 325: Cellular and Molecular Neuroscience
  - Biol 410: Molecular Foundations of Developmental Biology
  - Biol 411: Experimental Embryology
  - Biol 412: Molecular Genetics

- Neur 311: Foundations of Learning
  - Neur 313: Advanced Behavioral Neuroscience
  - Neur 314: Advanced Human Neuroscience
  - Neur 316: Neuropsychopharmacology
  - Neur 321: Brain Injury and Recovery
  - Neur 329: Special Topics in Neuroscience (as approved by program director)
  - Neur 395: Directed Study
  - Neur 499: Research/Thesis
- 11) At least one of the above courses at the 300- or 400- level must include a laboratory component. In Psychology, these courses are denoted in the course *Catalog* with an EXP designation. In Chemistry and Biology, laboratories are included in course descriptions and/or carry 1.25 unit credit. Neur 499 and Neur 395 (with director's approval) can also fulfill this requirement.

### **Cellular/Molecular Neuroscience Concentration**

A minimum of 15 courses (at least 9 of which are 300-level or above) to include the following (in addition to the core courses listed above):

- 7) Choose one of the following
  - a. Biol 323: Biostatistics and Experimental Design
  - b. Psyc 300: Research Methods (Please note that Psyc 300 has a prerequisite of Psyc 227: Psychological Statistics)
- 8) Chem 311: Organic Chemistry I
- 9) Chem 312: Organic Chemistry II
- 10) Biol 212: Genetics (lecture only)
- 11) Chem 317: Survey of Biochemistry or Chem 414: Biochemistry I
  - i. Note: Chem 317 is a survey course that covers biomolecules and biochemical processes in a single semester. Chem 414 and Chem 415: Biochemistry II constitutes a two-semester sequence for students seeking a more detailed presentation of biochemistry. The first semester concerns biological molecules and the second semester concerns metabolism, cell signaling, and biochemical genetics. Students who elect to take Chem 414 are advised to also take Chem 415.
- 12) Biol 325: Cellular and Molecular Neuroscience
- 13) Two additional biology/chemistry courses at the 300- or 400- level
  - Biol 307: Animal Physiology
  - Biol 310: Comparative Chordate Anatomy
  - Biol 311: Developmental Biology
  - Biol 410: Molecular Foundations of Developmental Biology
  - Biol 411: Experimental Embryology
  - Biol 412: Molecular Genetics
  - Biol 495: Directed Study
  - Chem 415: Biochemistry II
  - Chem 495: Directed Study (as approved by program director)
  - Neur 395: Directed Study
  - Neur 499: Research/Thesis
- 14) One additional Psychology course from the following:
  - Neur 311: Foundations of Learning
  - Neur 313: Advanced Behavior Neuroscience



Neur 314: Advanced Human Neuroscience  
 Neur 316: Neuropsychopharmacology  
 Neur 321: Brain Injury and Recovery  
 Neur 329: Special Topics in Neuroscience (as approved by program director)  
 Neur 395: Directed Study  
 Neur 499: Research/Thesis

Students pursuing a major in Neuroscience should be aware of the following: Students may count up to two units of independent or directed study (Neur 395, Neur 499 or Chem 395) toward fulfilling major requirements.

***Requirements for the Minor:***

Six Courses. Three of the courses must be at the 300-level or above.

- 1) Biol 107: Human Biology: Anatomy and Physiology I (1.25 units)
- 2) Biol 108: Human Biology: Anatomy and Physiology II (1.25 units)
- 3) Neur 213: Behavioral Neuroscience (1 unit)
- 4) Upper level electives (select one from below)
  - Biol 325: Cellular and Molecular Neuroscience
  - Neur 311: Foundations of Learning
  - Neur 313: Advanced Behavioral Neuroscience
  - Neur 314: Advanced Human Neuroscience
  - Neur 316: Neuropsychopharmacology
  - Neur 321: Brain Injury and Recovery
  - Neur 329: Special topics in neuroscience (as approved by program director)
- 5) Upper level elective (select two from below)
  - Biol 307: Animal Physiology
  - Biol 310: Comparative Chordate Anatomy
  - Biol 311: Developmental Biology
  - Biol 312: Genetics
  - Biol 325: Cellular and Molecular Neuroscience
  - Biol 410: Molecular Foundations of Developmental Biology
  - Biol 411: Experimental Embryology
  - Biol 412: Molecular Genetics
  - Neur 316: Neuropsychopharmacology
  - Neur 311: Foundations of Learning
  - Neur 313: Advanced Behavioral Neuroscience
  - Neur 314: Advanced Human Neuroscience
  - Neur 321: Brain Injury and Recovery
  - Neur 329: Special topics in neuroscience
  - Neur 395: Directed Study

Students pursuing a minor in Neuroscience should be aware of the following:

- a) Student may count one unit of independent study or directed research (Neur 395) toward fulfilling minor requirements.
- b) Each of the courses above may count only once toward the minor sequence.
- c) For Biology majors: At least two of the upper level courses must be from the Neur rubric.
- d) For Psychology majors: At least two of the upper level courses must be from the Biology department.

Students pursuing a minor in Neuroscience are recommended to take a one-year general chemistry sequence with lab.

**110 Foundations for Nonmajors** Foundations for non-majors will introduce students to the basic principles of the field with an emphasis on structure and function. Topics covered include neural communication, mechanisms of drug actions, neural development, hormones, genetics, and neuroanatomy. This course is designed specifically for non-Neuroscience majors and will not count toward major requirements. *Offered annually.*

**213 Behavioral Neuroscience (Cross-listed with PSYC 213)** An introduction to the structure and function of the neuron, basic neuro-chemistry, neural substrates involved in learning and memory, behavioral disorders, neurodegenerative diseases, and social behavior in humans and animals. *Offered annually.*

**311 Foundations of Learning (Cross-listed with PSYC 311)** Examination of learning, conditioning, and underlying mechanisms through discussion and evaluation of primary sources. Topics include modern theories of classical conditioning, consolidation and reconsolidation, and extinction. Prerequisites: NEUR 110 or BIOL 102/108 or consent of instructor. *Offered in alternate years.*

**313 Advanced Behavioral Neuroscience (EXP) (1.25) (W) (Cross-listed with PSYC 313)** Neural mechanisms of behavior in animals, investigated through laboratory demonstrations and student-conducted experiments. Prerequisite: 213 or consent of instructor. *Offered each spring.*

**314 Advanced Human Neuroscience (Cross-listed with PSYC 314)** This course surveys the theory and practice of using recordings of the brain's electrical activity to study cognition and behavior. It explores what brain activity reveals about normal and abnormal perception, attention, decision-making, memory, response preparation, social behavior, and language comprehension. Prerequisite: 213 *Offered every fall.*

**316 Neuropsychopharmacology (Cross-listed with PSYC 316)** Principles of drug action and their effects on human behavior. Prerequisite: BIOL 101 or 107 or NEUR 110. PSYC 213 recommended. *Offered in alternate years.*

**321 Brain Injury and Recovery (Cross-listed with PSYC 321)** Mechanisms of neuroplasticity following injury and the consequent impact on behavioral recovery, investigated through an in-depth study of basic and clinical research. Topics include mechanisms of cell death and survival, spontaneous recovery and rehabilitation with a focus on stroke, traumatic brain injury, and spinal cord injury. Prerequisites: NEUR 110 or BIOL 102/108 or consent of instructor. *Offered in alternate years.*

**329 Special Topics in Behavioral and Cognitive Psychology and Neuroscience (Cross-listed with PSYC 329)** Courses addressing topics of special interest in the more traditional experimental areas of Psychology (e.g. behavioral psychology, cognitive psychology, behavioral neuroscience). See current *Program of Classes* to determine if this course fulfills General Education requirements.

**395 Directed Study** Individualized directed readings on a topic of interest to the student that is not normally part of the curriculum. The work may include a laboratory component and will result in the preparation of a significant paper or project that brings together the readings or results of the study. Prerequisites: consent of instructor. *Offered each semester.*

**399 Off Campus Research (.5 unit)** Research will be conducted off-campus in collaboration with a research program approved by the Neuroscience Program director and a supervising faculty member. The research will be summarized on campus in a scientific paper or poster, and in an oral presentation. This course does not count toward major requirements. Repeatable up to 1.0 unit. Prerequisites: PSYC 213 and one upper-division course toward the major. *Offered each semester.*

**400 Senior Capstone in Neuroscience (W)** Intensive study of a particular topic culminating in a grant proposal and oral presentation. Prerequisites: Neuroscience major with senior standing. *Offered annually.*

**499 Research/Thesis (W)** Experimental or theoretical examination of a topic of interest to the student in collaboration with a faculty mentor. A significant paper detailing the findings of the investigation is required at the conclusion of the work. Course can be repeated one time for credit. Prerequisites: consent of instructor. *Offered in Alternate Years.*

## **NURSING AND HEALTH SCIENCES**

### ***Major Sequence in Nursing***

*Kujath, Drury, Hall, Hopkins, Kennedy, Kerr, Knoll, Kooken and professional staff and adjunct faculty.*

Within a liberal arts environment at Illinois Wesleyan students learn to become exceptional thinkers and nursing/health care leaders in a global society. Professional and liberal learning is enhanced by concurrent enrollment in professional and liberal arts study. Small class and clinical practicum sizes allow personal interaction with faculty and the flexibility to help students develop special interests.

Nursing majors enter the program as first year students and develop a strong foundation in the biological sciences. The nursing sequence that begins in the sophomore year includes classroom content that is coordinated with out-standing patient care experiences in urban and rural settings. The nursing sequence includes classroom, laboratory, and clinical courses for six semesters. The hallmark of these experiences is continuing engagement among faculty and students that results in clinical reasoning, critical thinking, and skills necessary to contribute to global citizenship. Students develop a professional identity with commitment to integrity and lifelong learning.

The baccalaureate degree program in nursing at Illinois Wesleyan University is accredited by the Commission on Collegiate Nursing Education, 655 K Street NW, Suite 750, Washington, DC 20001; phone 202-887-6791.

Upon completion of the degree requirements graduates are qualified to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

### **The Baccalaureate Degree Program**

The School of Nursing offers a program leading to the degree of Bachelor of Science in Nursing (BSN).

### **Mission Statement**

The School of Nursing and Health Sciences extends the University's liberal arts tradition to prepare exceptional thinkers, compassionate professionals, and leaders for nursing and global healthcare.

### **Goals**

The goals of the School of Nursing and Health Sciences are to provide a quality educational program for the preparation of a professional baccalaureate nurse who:

- Embodies the liberal arts ideal of creativity, critical thinking, effective communication, strength of character, spirit of inquiry, and a comprehensive world view in professional nursing practice.

- Provides professional leadership in a global community to promote access to quality health care.
- Engages in lifelong professional development, including graduate study, to enhance the future of nursing and health care.

As suggested by the mission and goals, graduates develop skills necessary to assume leadership roles in nursing and society. The nursing curriculum is designed around seven content areas that provide a foundation for excellence in nursing: nursing science, nursing as a profession/occupation, nursing's social field and economics (culture, politics, law, social justice), leadership, informatics, ethics, and research/evidence-based practice.

### **Requirements for the Degree of Bachelor of Science in Nursing**

A minimum of 32 units of credit and 32 courses is required for the BSN. Nursing study ordinarily begins in the first semester of the sophomore year. Before enrolling in specified nursing courses offered at the sophomore level, the student must complete Biology 107 and 108, Psychology 253, Chemistry 110, and Biology 114. Course requirements include the following:

- 1) General education courses
- 2) Professional Nursing Sequence: A minimum of 15 course units must be in nursing, including Nursing 214, 217, 218, 260, 280, 320, 330, 360, 380, 385, 400, 430, 450, 460, and 485.
- 3) Supplemental Professional Preparation, including: Health 230 (Human Nutrition) and Business 341 (Organization and Management) are required for the major.
- 4) Requirements and Limitations: At least 9 of the course units counted toward the total degree requirements must be at the upper division level (courses 300 or higher). No more than 4 course units of "D" work completed at Illinois Wesleyan or elsewhere may be counted toward the degree with no more than two of those in general education courses. It should be noted that students may not progress in the nursing curriculum (a) with a grade in any nursing course lower than a C (not a C-) and/or (b) with a cumulative GPA lower than a 2.0. Students who earn a final grade lower than "C" in any required nursing course must repeat the course and earn a final grade of "C" or better to progress in the nursing curriculum. See *School of Nursing Student Handbook* for complete list of academic policies.

### **PROFESSIONAL NURSING SEQUENCE**

**214 Nursing and Society (1 unit) (CSI)** Introduces concepts basic to the profession of nursing and to the development of self as nurse. Legal, ethical, economic, and social policy issues in health care are introduced. U.S. and global health care, including the influence of culture, are examined. Students use current technologies to access and evaluate health information. *Offered each fall.*

**217 Pathophysiology and Pharmacology I (1 unit)** Builds on knowledge from natural sciences to provide a foundation for nursing practice by examining the etiology and pathophysiology of illnesses across the lifespan. Pharmacodynamics and pharmacokinetics of medications as well as the nurse's role in administration are introduced. Selected pathophysiological disorders are presented. Prerequisites: BIOL 107, 108, 114, and CHEM 110, or consent of faculty. Students must receive a minimum grade of 'C' in BIOL 107 and BIOL 108 in order to enroll in this course. *Offered each fall.*

**218 Pathophysiology and Pharmacology II (1 unit)** Continues the examination of prevalent pathophysiologic disorders. Includes the normal physiology of aging. Cultural and genetic variations in disease for individuals and populations are examined. Classifications of medications and their use as nursing interventions to facilitate health maintenance and disease management are presented. Prerequisite: NURS 214, 217. *Offered each spring.*

**260 Nursing Foundations I: Health Assessment and Professional Communication (1.25 units)** Develops assessment techniques to examine the physical, psychosocial, and spiritual health of individuals from diverse populations across the lifespan. Introduces skills in interdisciplinary, multigenerational, and culturally sensitive professional communication. Principles of teaching-learning, stress and psychosocial theories are presented to promote the individual's health and prevent disease. Prerequisites: BIOL 107, 108, 114, CHEM 110, PSYC 253, and HLTH 230. Students must receive a minimum grade of 'C' in BIOL 107 and BIOL 108 in order to enroll in this course. *Offered each fall.*

**280 Nursing Foundations II: Health Promotion and Risk Reduction (1 unit)** Focuses on influencing behavior to promote health and reduce risks of individuals in ambulatory and community-based settings. Process of nursing introduced with emphasis on integrating previous skills and knowledge to begin clinical decision-making. Basic nursing skills are developed to allow for care of individuals across the lifespan from diverse ethnic and cultural backgrounds. Prerequisites: NURS 214, 217 and 260; HLTH 230; Corequisite 218. *Offered each spring.*

**320 Adult Nursing I (1 unit)** Focuses on care of adults, particularly older adults, in need of risk reduction and health maintenance in varied clinical settings. Integration of sociocultural, legal, ethical, and economic factors that influence illness care are applied to provide patient-centered care. Includes use of informatics to inform clinical practice. Prerequisites: NURS 218 and 280. *Offered each fall.*

**330 Psychiatric/Mental Health Nursing (1 unit)** Provides care to individuals with mental illness in acute and community-based settings. Emphasis placed on interdisciplinary collaboration, application of psychopharmacologic and therapeutic treatment principles, and use of integrated biopsychosocial theories. Application of the process of nursing expands the student's ability to address mental health needs across the lifespan in all clinical settings. Prerequisites: NURS 218 and 280. *Offered each fall.*

**360 Child and Adolescent Nursing (1 unit)** Delivers care to children in a variety of settings by using evidence-based interventions that support children and their families in coping with multiple demands of childhood health and illness. Nursing interventions adapted for this population include specialized technologies needed to assist families caring for ill children. Prerequisites: NURS 320 and 330. *Offered each spring.*

**380 Adult Nursing II (1 unit)** Expands clinical judgment in the care of adults in need of health maintenance, as well as acute and chronic disease management in acute care settings. Develops nursing role by integrating previous learning with evidence-based practice to design care for patients especially those with co-morbidities. Prerequisites: NURS 320 and 330. *Offered each spring.*

**385 Research in Nursing Practice (1 unit)** Develops skills to read, evaluate, and synthesize research essential to providing evidence-based practice in the clinical setting. Scientific inquiry within the discipline of nursing is introduced by examining the relationships among conceptual, empirical, and analytic processes of research. Opportunities to critique empirical data for health care issues are provided. Prerequisite: NURS 218 and NURS 280. *Offered each semester.*

**390 Special Topics in Nursing** Courses that give the student opportunity to develop expertise in specialized areas of nursing, such as transcultural healthcare in

Hawaii. Prerequisites: Gateway Colloquium or equivalent, 280 or consent of instructor. *Offered occasionally.*

**397 Internship in Nursing (.75 or 1 unit)** Individual students have the opportunity to work with an on-site supervisor and participate in preprofessional experiences in various health care organizations. Actual site selection is coordinated between the student and the Director of the School of Nursing or designee. A project/paper is required. May be taken for more than one semester but limited to two course units. Prerequisites: Senior standing in Nursing and consent of Director of the School of Nursing. *Offered each semester and in May Term.*

**400 Nursing in Complex Situations (1 unit)** Focuses on care of multiple individuals, care of the critically ill, and those at end of life. Emphasizes ability to monitor, evaluate, revise, and coordinate patient centered care. Expands need to manage time and prioritize competing demands. Integrates evidence-based practice and health information technology to provide cost-effective quality care. Prerequisites: NURS 360, 380, and 385. *Offered each fall.*

**430 Maternal and Newborn Nursing (1 unit)** Manages care for childbearing families experiencing normal and high-risk pregnancies in various settings. Roles of the professional nurse in promoting physical and psychosocial behaviors to prevent health problems are emphasized. Applies legal, ethical, spiritual, and cost-benefit considerations when examining technologies related to reproductive health choices. Prerequisites: NURS 360, 380, and 385. *Offered each fall.*

**450 Nursing Leadership and Management in Health Care (1 unit)** Examines nurse's leadership/management role in health care delivery system. Practicum provides opportunity to design and regulate nursing systems in collaboration with other health care workers. Emphasis placed on assuming accountability for multiple patients/teams of caregivers and expansion of leadership skills. Opportunities for implementing quality improvement and staff development project provided. Prerequisites: NURS 400 and 430; BUS 341. *Offered each spring.*

**460 Public Health Nursing (1 unit)** Applies epidemiological concepts in the analysis of health promotion and maintenance of populations. Emphasis is placed on concepts of social justice, disparities in health and health care, and vulnerable and culturally diverse populations. Use of informatics to provide care that is evidence-based to improve health of the community is required. Prerequisites: NURS 400 and 430. *Offered each spring.*

**485 Seminar in Professional Nursing (1 unit) (W)** Examines contemporary global healthcare issues and explores personal values in relation to those of the profession. Study of health care policy, principles of social justice, and political action provides methods for active world citizenship. A senior thesis provides opportunity for in depth analysis and dissemination of current healthcare issues. Prerequisites: NURS 360, 380, and 385 and a course from Analysis of Values category. *Offered each semester.*

**499 Research and Studies** Individual projects under the supervision of nursing faculty. Students must register with a specific instructor. May be taken in more than one semester but limited to two course units. *Offered each semester.*

## **ACADEMIC POLICIES**

The *Illinois Wesleyan University School of Nursing Student Handbook* details the academic and clinical policies of the nursing program.

In addition to the major sequence in Nursing (see p. 268), the School of Nursing and Health Sciences offers a major sequence in Public Health, Kinesiology and Allied Health, and minors in Health, Public Health and Exercise Science. Minors in Hispanic Studies and in Human Services also complement the Nursing Major.

### ***Major Sequence in Kinesiology and Allied Health:***

The Kinesiology and Allied Health major provides the knowledge and competencies related to a variety of health and fitness settings. The program combines curriculum and instruction from courses in the areas of biology, health, and exercise science. A dedicated focus within these disciplines provide the preliminary basis of information necessary for a future profession as a health care provider to promote healthy lifestyles. These professions could include a Certified Personal Trainer (CPT), Certified Strength and Conditioning Specialist (CSCS), Physical Therapist (PT), Wellness Director, Chiropractor and others. (See KAH page 227).

### ***Minor Sequence in Health***

Qualified students of the University, including nursing majors, may elect a Health minor offered by the School of Nursing and Health Sciences. This minor prepares the student to make responsible life style choices in a complex society through exploration of determinants of health and quality of life (See Health, page 204).

### ***Minor Sequence in Human Services Management***

Qualified nursing majors may elect a minor in Human Services Management. This minor offers an educational pathway leading to entry level management positions in nursing, following appropriate clinical experience, or to graduate study in nursing service administration and/or business administration (See Minor Sequence in Business Administration, page 152).

Nursing majors can complete the minor within the four years of academic study. Interested students should contact their academic advisors.

### ***Minor Sequence in Hispanic Studies***

Qualified nursing majors may elect the Hispanic Studies minor for nursing majors offered by the Department of World Languages, Literatures, and Cultures. This minor prepares students for leadership in the care of Spanish speaking clients in the United States or the global community. In addition to campus classes, this minor offers domestic and international travel opportunities and internships where students apply linguistic and cultural skills in health care settings or with health care professionals. Entering students interested in the Hispanic Studies minor and who studied Spanish in high school are advised to take the Spanish placement test in August of their first year.

The minor sequence recommended for nursing majors consists of six courses in Spanish at or above the 203 level, including 230, 303, 307, 308, and two electives. Study abroad is also available (See Hispanic Studies, page 324).

### ***Minor Sequence in Public Health***

Qualified students of the University, including nursing majors, may elect a Public Health minor offered by the School of Nursing and Health Sciences (See Public Health, page 204).

## **Other Study Options**

When courses articulate with the nursing sequence, students with specific interests have opportunity to work with faculty advisors to meet individual professional goals, such as enriched clinical study through student-designed internships.

## **OFF-CAMPUS STUDY THE IWU SEMESTERS IN LONDON AND BARCELONA**

*Director, International Office*

Sophomore, junior, and senior students may choose to live and study for the fall semester in London or the spring semester in Barcelona, accompanied by an IWU faculty member who will teach and live with them. Students earn four course units of credit during the semester, just as they would if they were studying on campus. The IWU faculty member teaches one of these courses, and students choose among other courses taught by local professors. All courses offered in the London Program fulfill 200-level general education degree requirements. Courses in the Barcelona Program fulfill a mix of general education, Hispanic Studies, and Nursing requirements.

Besides traditional classroom activities, such as reading, lecture, and discussion, London and Barcelona Program courses take advantage of the unique opportunities for intellectual and personal growth available in two of the world's greatest cities. In London, these include visits to Parliament, class sessions using the exceptional collections in the National Gallery or the Victoria & Albert Museum, and assignments analyzing performances on the London stage or concert hall. In Barcelona, these include world famous collections of art, as well as numerous historical and cultural opportunities available in Barcelona and other parts of Spain.

In London, students are housed in comfortable flats in safe neighborhoods convenient to shopping and public transportation. They have access to student-center facilities at the Imperial College London student union building. In addition to their studies in London, students also make day trips to relevant sites for study, such as Stratford-upon-Avon, Oxford, or Canterbury with the faculty. In Barcelona, students will attend classes at a centrally located academic center and live with host families within reasonable commuting distance, with trips within the city and to other parts of Spain.

Both programs require a program fee in addition to IWU room, board, tuition and fees for the term. This fee covers roundtrip airfare, local transportation costs for the full term, day trips and extended excursions outside London or Barcelona, welcome and farewell banquets, other social activities, and on-site orientation.

Courses vary from year to year, but are selected from the list below. Each course takes advantage of the special opportunities available in London or Barcelona in a given semester. Each course may also be taken more than once if the subject matter is not duplicated, but only one will count for General Education credit in the designated category.

Students interested in enrolling in the London or Barcelona Programs should contact the International Office for information. Applications for London are due by March 1 of the preceding spring term. Applications for the spring Barcelona semester are due in mid-April of the preceding spring term.



### **OFF-CAMPUS STUDY—London (LOND)**

These courses are for London (taught in English for general education credit only.)

**220/320 Studies in the Arts** Courses in, for example, Art, Art History, Classical Studies, Creative Writing, Fine Arts, Music, Music Theatre, or Theatre that heighten awareness of an aesthetic dimension in human experience. These courses place the specific art(s) under consideration within the context of the time of original creation or performance and also within other appropriate contexts. *Offered as needed.*

**221/321 Studies in Literature** Courses that focus on the critical reading and interpretation of literary texts, including study of style and structure, plot, imagery, and ideas. Works studied are presented in the larger cultural framework of which they are a part, and students actively interpret and make thoughtful judgments about them. *Offered as needed.*

**222/322 Studies in Analysis of Values** Courses in any discipline that critically examine one or more issues of values arising in ethical, political, professional, religious, artistic, or other contexts. By engaging students in the rational analysis of values and their foundations, and by exposing students to alternative value frameworks, these courses encourage students to think more systematically about their own values. *Offered as needed.*

**223/323 Studies in Contemporary Social Institutions** Courses in, for example, Anthropology, Business Administration, Economics, Educational Studies, Nursing, Political Science, Religion, or Sociology that explore the established practices, relationships, and organizations which influence the daily lives of individuals in society. Social institutions and/or structures examined include governments, religious organizations, education, the family, the media, and the legal, economic, health care, political and social welfare systems. *Offered as needed.*

**224/324 Studies in Cultural and Historical Change** Courses in, for example, Economics, History, Music, Political Science, Religion, or Theatre in the London program that investigate the formation, persistence, and change of human-constructed institutions, emphasizing significant transformations in human social existence, and allowing historical personalities to speak across time and space. Each course acknowledges the complex interactions of social and historical context, recognizing that we cannot understand the present without the past. *Offered as needed.*

**225/325 Studies in Intellectual Traditions** Courses in any discipline that explore major ideas that have made a difference in the shaping of culture and the course of events. Courses may focus on an individual figure, a broader intellectual movement, or a crucial concept or topic. Emphasis is placed on critical interpretation, analysis, and evaluation of ideas articulated in primary printed texts and, where appropriate, in works of art, architecture, and music. *Offered as needed.*

**226/326 Studies in the Natural Sciences** Courses that help students develop the capacity for scientific literacy in preparation for responsible citizenship. Through laboratory or other learning experiences, students explore the methods by which scientists discover and formulate laws or principles that describe the behavior of nature in both living and non-living realms. Students also examine how scientific thinking applies to their own lives and address the issues that science and technological advances bring to society. *Offered as needed.*

### **OFF-CAMPUS STUDY—Barcelona (BARC)**

Courses are taught in English or Spanish and may be either Hispanic Studies courses or general education courses taught in Spanish.

**101/102/201/203 Studies in Second Language** Courses in this category develop a student's ability to speak, read, listen and write in Spanish. Courses stress basic conversational skills necessary for survival in the target-language environment. All courses in this category seek to place the target language within a cultural context. *Offered as needed.*

**220/320 Studies in the Arts** Courses in, for example, Art, Art History, Classical Studies, Creative Writing, Fine Arts, Music, Music Theatre, or Theatre that heighten awareness of an aesthetic dimension in human experience. These courses place the specific art(s) under consideration within the context of the time of original creation or performance and also within other appropriate contexts. *Offered as needed.*

**221 Studies in Literature** Courses that focus on the critical reading and interpretation of literary texts, including study of style and structure, plot, imagery, and ideas. Works studied are presented in the larger cultural framework of which they are a part, and students actively interpret and make thoughtful judgments about them. *Offered as needed.*

**222 Studies in Analysis of Values** Courses in any discipline that critically examine one or more issues of values arising in ethical, political, professional, religious, artistic, or other contexts. By engaging students in the rational analysis of values and their foundations, and by exposing students to alternative value frameworks, these courses encourage students to think more systematically about their own values. *Offered as needed.*

**223 Studies in Contemporary Social Institutions** Courses in, for example, Anthropology, Business Administration, Economics, Educational Studies, Nursing, Political Science, Religion, or Sociology that explore the established practices, relationships, and organizations which influence the daily lives of individuals in society. Social institutions and/or structures examined include governments, religious organizations, education, the family, the media, and the legal, economic, health care, political and social welfare systems. *Offered as needed.*

**224 Studies in Cultural and Historical Change** Courses in, for example, Economics, History, Music, Political Science, Religion, or Theatre in the London program that investigate the formation, persistence, and change of human-constructed institutions, emphasizing significant transformations in human social existence, and allowing historical personalities to speak across time and space. Each course acknowledges the complex interactions of social and historical context, recognizing that we cannot understand the present without the past. *Offered as needed.*

**225 Studies in Intellectual Traditions** Courses in any discipline that explore major ideas that have made a difference in the shaping of culture and the course of events. Courses may focus on an individual figure, a broader intellectual movement, or a crucial concept or topic. Emphasis is placed on critical interpretation, analysis, and evaluation of ideas articulated in primary printed texts and, where appropriate, in works of art, architecture, and music. *Offered as needed.*

**226 Studies in the Natural Sciences** Courses that help students develop the capacity for scientific literacy in preparation for responsible citizenship. Through laboratory or other learning experiences, students explore the methods by which scientists discover and formulate laws or principles that describe the behavior of nature in both living and non-living realms. Students also examine how scientific thinking applies to their own lives and address the issues that science and technological advances bring to society. *Offered as needed.*

**230 Spanish Society Through Film and Television** This class examines entertainment media as a portal to historical narratives of contemporary Spanish society. The course also explores the globalization of audio-visual content, paying attention to the set of homogenizing messages and ideas that are penetrating societies at an unprecedented level. Class is taught in English. *Offered as needed.*

**250 Business Spanish** This course is designed for students planning to work in business and who want to acquire more business-related language and cultural competency skills before entering the work force. The course includes sections on the work force, businesses and entrepreneurs, products, publicity, banks and savings and loans, business trips, and business on the web. This course is taken abroad in the IWU Barcelona program or another comparable program. Prerequisite: SPAN 201. *Offered as needed.*

**321 Studies in Literature** Courses in this category focus on the critical reading and interpretation of literary texts. Taught in Spanish. *Offered as needed.*

**322 Studies in Analysis of Values** Courses in this category critically examine one or more normative value issues arising in social, political, professional, religious, artistic, or other contexts. Normative value issues concern questions of what ought to be the case, and are thus distinguished from empirical and/or descriptive issues, which concern questions of what is, was, or will be the case. Courses in this category engage students in the rational examination of normative value issues and expose them to alternative theories and positions concerning such issues. Students are thereby challenged to think systematically about these issues and to refine and defend their views of them. Taught in Spanish. *Offered as needed.*

**323 Studies in Contemporary Social Institutions** Courses in this category explore the established practices, relationships, and organizations which influence the daily lives of individuals in society. Social institutions and/or structures examined include governments, religious organizations, education, the family, the media, and the legal, economic, health care, political, and social welfare systems. Taught in Spanish. *Offered as needed*

**324 Studies in Cultural and Historical Change** Courses in this category investigate the formation, persistence, and change of human-constructed institutions, emphasizing significant transformations in human social existence, and allowing historical personalities to speak to us across time and space. Each class emphasizes the complex interactions of social and historical context, acknowledging that we cannot understand the present without the past. Taught in Spanish. *Offered as needed*

**325 Studies in Intellectual Traditions** Courses in this category explore major ideas that have made a difference in the shaping of culture and the course of events. Courses may focus on an individual figure, a broader intellectual movement, or a crucial concept or topic. Emphasis is placed on critical interpretation, analysis, and evaluation of ideas articulated in primary printed texts and, where appropriate, in works of art, architecture, and music. Taught in Spanish. *Offered as needed*

**326 Studies in Natural Sciences** Global climate change is one of the most profound and complex issues facing humanity. This course will introduce students to the scientific principles that underlie its causes and consequences, and consider ways to address its impacts in Barcelona and the U.S. Student will conduct a research project and write a paper. No prerequisite. *Offered as needed.*

**397 Barcelona Global Internship Experience (G) (.75) (1)** A supervised experiential learning opportunity in Barcelona for students to apply skills in a professional setting. In addition to the onsite work, students will collaborate with a faculty supervisor completing required coursework to enhance the educational experience through reflection, theories of intercultural communication, and practice. Prerequisites: Admission to the IWU Barcelona Program. Class is taught in English. Knowledge of Spanish is useful but not required. *Offered as needed.*

## PHILOSOPHY

*Engen, Wilson*

Philosophers try to make sense of reality and human experience through critical reflection and argument. The study of philosophy involves asking questions about the nature of knowledge, reality, and values, and formulating and evaluating answers to these questions. Students learn to reason more effectively and defend principled views. The department aims to: (1) help students from all fields develop habits of critical reading, thinking, and writing; (2) introduce students to philosophical issues including the nature of consciousness, personal identity, morality, and skepticism; (3) explore these and other traditional philosophical issues through

the writings of such major philosophers as Plato, Descartes, Hume, Kant, and Mill; and (4) aid students in tracing connections among various disciplines.

The philosophy department offers courses to meet the needs of general education students wishing to explore perplexing and controversial questions about the fundamental nature of the world and human experience. The best way to learn about philosophy is by doing it, so all philosophy courses offer an open forum for a disciplined exchange of ideas. In such exchanges, students and professors learn from one another and from the careful reading and critical analysis of philosophical works. Among the traditional tasks of philosophers is the investigation of the aims and methodology of other disciplines and specific problems that arise from them. Thus, the department offers courses that probe the philosophical assumptions and implications of different disciplines, including courses in the philosophies of Religion, Natural Science, Psychology, Education, and Law.

The department offers: challenging programs for students who major or minor in philosophy; a diverse selection of courses from the different branches of philosophy; and courses taught on both historical and contemporary works using primary sources (in English translation where necessary).

Because philosophers investigate the foundations of other disciplines, philosophy is often studied in conjunction with another discipline. Many philosophy majors or minors have a second major or a minor in such fields as Literature, Political Science, Biology, Psychology, and Music. Majors and minors have considerable freedom to pursue their individual interests in independent studies, internships, and research honors. Students may declare a major in philosophy as late as their junior year.

#### ***Major Sequence in Philosophy:***

A minimum of nine courses in philosophy to include:

- 1) PHIL 102, 308, 309
- 2) Six additional courses in philosophy to include:
  - a) One of the following: PHIL 103, 106, 107, 209, 232, 268, 307, 311, 340, 350, 351, 360
  - b) One of the following: PHIL 105, 204, 205, 213, 214, 224, 225, 230, 300, 301, 304, 305, 310, 356
  - c) Two upper-division courses in philosophy (but not including 397)
  - d) Two additional courses in philosophy

#### ***Minor Sequence in Philosophy:***

A minimum of five courses to include:

- 1) Philosophy 102
- 2) Philosophy 308 or 309 (though the student may take both 308 and 309 for credit in the minor)
- 3) Two additional courses at the upper-division level (but not including 397)
- 4) One additional course in philosophy.

**102 Introduction to Symbolic Logic (FR)** Introduction to systems of formal logic and to the use of such systems to model and evaluate inferences made in practical reasoning and natural language. Propositional logic, first-order quantifier logic, and the metatheoretic properties of soundness and completeness will be covered. No prior coursework in mathematics, logic, or philosophy is presupposed. *Offered annually.*

- 103 Mind and World (IT)** Is everything composed of matter? What are minds? Does all knowledge come from experience? Studying, discussing, and writing about these metaphysical and epistemological questions – as posed, for example, by Plato, Descartes, Locke, Hume, Kant, and Russell – will introduce students to major themes of Western Philosophy. *Offered annually.*
- 104 Ethics Bowl (AV, W)** Are you interested in debating issues in practical and professional ethics? Do you like working collaboratively to solve complex problems? Students in this course will be introduced to ethics through the examination of case studies. Topics include corporate responsibility, government intervention, medical ethics, and ethical use of technology and data. Prerequisites: Gateway or consent of instructor. *Offered annually.*
- 105 Rights and Wrongs (AV)** A first course in ethics, and a critical examination of central moral concepts and arguments. What makes an action morally permissible or impermissible? Are there moral duties, and if so, what are they, and where do they get their authority? Contemporary issues commonly discussed include abortion, euthanasia, punishment, and torture. *Offered annually.*
- 106 God and Science (IT)** Examination of issues in the philosophy of science and the philosophy of religion. Topics may include models of the relationship between religion and science, issues in physical cosmology, the debate over creationism, the nature of ‘emergent’ properties/laws in complexity theory, or psychological accounts of religious experience. *Offered annually.*
- 107 Introduction to the Philosophy of Natural Science (IT)** Analysis of the central methodology and conceptual schemes employed in scientific investigation. The course will examine accounts of scientific inferences and methods and may include criticisms offered by historians of science and feminist philosophers. Intended primarily for students with a minimum of one year of college-level work in the natural sciences. *Offered as needed.*
- 170 Special Topics** An examination, at the introductory level, of selected topics in philosophy not covered in regular course offerings. May be repeated for credit when different subjects are studied. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered as needed.*
- 204 Introduction to Ethical Theory (AV)** Examination of major moral theories such as those of Plato, Aristotle, Hume, Kant, and Mill. Questions to be examined include: What is the best life for a human being? What things are good? What is the foundation of the distinction between right and wrong? What motives do we have for acting morally? *Offered annually.*
- 205 What is Law? (AV, W)** Examination of fundamental questions concerning the nature of law, including: What is law? What distinguishes the law from moral or social rules? What authority does law have, and where does that authority derive from? What sort of normative standards does the law comprise – commands, rules, principles, exemplars? – and how are these standards related? *Offered in alternate years, spring.*
- 209 Philosophy of Religion (IT)** Is there evidence that God exists? Should we believe in miracles? Should faith in God be enough? During our examination of these questions, we will consider the nature of God’s attributes, arguments for God’s existence, alternatives to the Judeo-Christian conception of God, and whether belief in God requires rational support. *Offered as needed.*
- 213 Business Ethics (AV)** A critical examination of ethical issues arising in business affairs with some attention to ethical theory. *Offered as needed.*
- 214 Philosophy of Education (AV)** Examination of the nature and roles of education and teaching. What are the aims of education? Do different political systems imply different approaches to schooling? What role should the state play in delivering education? Who should be educated, and why? Readings are from classical as well as contemporary writers. *Offered as needed.*

**222 Ethics, Values and Issues in Cybertechnology (AV, W) (Cross-listed with CS 222)** An overview of the ethical issues which shape modern technology, including such topics as free expression and content control, intellectual property, privacy and information access, crime and security, and concepts, methodology, and codes of cyberethics. Theory and actual cases will be analyzed in readings, discussion, and written work. Will not count toward the major or minor. No prerequisites. *Offered annually.*

**224 Introduction to Social and Political Philosophy (AV)** Focusing on the justification of political structures, students will critically analyze, at an introductory level, a number of fundamental political issues: What makes a law a proper law? What makes a form of government legitimate? What may people be coerced to do and by whom? Readings include several major political philosophers. *Offered occasionally.*

**225 Medical Ethics (AV)** A compressed introduction to ethical theory (first quarter of the course) and an examination of ethical problems arising in the context of medical and health care. Examination of such issues as paternalism, euthanasia, treatment of severely defective infants, reproductive rights, research on human subjects, and distribution of health care resources. *Offered each spring.*

**230 Philosophy of Feminism (AV, U)** Investigation of how feminism and philosophy inform one another. What is the nature of gender inequality in our society? Are rationality and objectivity gendered concepts? Examination of the relations between gender and such topics as social policy, law, ethics, pluralism, objectivity, and science. *Offered as needed.*

**232 Philosophy of Race (U, W)** Examination of questions about race from a philosophical perspective. What is race: a biological category, a social construction, or a fiction? Should we stop thinking in terms of race? What do we owe the victims of racism? Also, other social policy questions, such as, is racial profiling ever justified? *Offered in alternate years, spring term.*

**242 Philosophers Read the Bible (IT, W) (Cross-listed with REL 242):** Philosophers have long been avid readers of the Bible, frequently debating questions of authority and meaning regarding text. In this class, we will grapple with philosophical debates over the meanings of specific passages of the Bible as well as explore disputes over such topics as revelation and prophecy. *Offered in alternate years.*

**268 Hume's Philosophy of Religion (IT, W)** Introduction to the philosophy of religion of David Hume (1711-1776), generally regarded as the greatest philosopher ever to write in English. Hume's *Dialogues Concerning Natural Religion*, one of the most influential works in philosophy of religion, critically examines the idea of intelligent design. *Offered as needed.*

**270 Special Topics** An examination of selected topics not covered in regular course offerings. May be repeated for credit when different subjects are studied. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered as needed.*

**296 What is Religion (IT, W), (Cross-listed with REL 296)** This course introduces students to the academic study of religion by exploring major questions such as: What is religion? Is it universal? What religions all have in common? How can we best study this phenomenon? Can someone understand a religion of which they are not a member? In this course, we will examine the ways scholars study different religious traditions and we will explore disagreements and controversies. *Offered in alternate years.*

**300 Biology and Ethics (AV, W)** A study of ethical and social issues arising out of the rapidly developing fields of reproductive biology and genetics. In the first quarter of the course, students will be introduced to different ethical theories; in the remainder of the semester, they will look at specific ethical issues. Issues examined may include those that arise in connection with RU-486, surrogacy, IVF, sex cell storage, cloning, and human stem cell research. *Offered as needed.*

**301 Ethics and the Environment** An examination of different ethical theories to see which provide an adequate basis for an environmental ethics – a basis for deciding whether

and how we ought morally to treat non-human entities, including non-human animals and “nature.” We will consider the answers they provide to fundamental ethical questions concerning the environment. The specific normative issues we examine will vary from year to year but they will include issues such as factory farming, genetically engineered crops, air quality, and the preservation of endangered species. *Offered in alternate years.*

**304 Ethical Theory (AV)** A critical examination at an advanced level of different kinds of ethical theories. Ethical theories to be considered may include those of Butler, Hume, Kant, Bentham, Mill, Sidgwick, and Nietzsche. The course will focus on central ethical concepts and the way in which different ethical theorists organize them in a systematic way. Prerequisite: One course in Philosophy or consent of instructor. *Offered in alternate years.*

**305 Philosophy of Law (AV)** Examination of philosophical and legal questions about judicial decision-making and the interpretation of law. Are there correct answers in controversial legal cases? What are a judge’s obligations in deciding such cases? Special attention will be paid to recent work in the intersection of philosophy of language and law. Prerequisite: One course in Philosophy or consent of instructor. *Offered in alternate years.*

**307 Philosophy of Natural Science (IT, W)** Analysis of central issues in the philosophy of natural science, such as the problem of induction, scientific realism, and scientific theory selection. The course will examine accounts of these issues and may include alternative views provided by historians of science and feminist philosophers. Prerequisite: One course in Philosophy or consent of instructor. *Offered as needed.*

**308 Ancient Philosophy (IT)** Survey of the development of philosophy from Thales to the early Roman philosophers, with emphasis on Plato and Aristotle. Prerequisite: One course in Philosophy. *Offered annually.*

**309 Modern Philosophy (IT)** Survey of the development of philosophy from the rise of modern science to Kant, with emphasis on Descartes and the Classical Empiricists. Prerequisite: One course in Philosophy. *Offered annually.*

**310 Social and Political Philosophy (IT, W)** A critical examination of questions such as: Why do we have to do what the state says? What is the basis of political obligation? What duties, if any, does the state have to its citizens? Is there a conflict between the ideals of equality and liberty? Prerequisite: Either one course in Philosophy, PSCI 315, PSCI 316, or consent of instructor. *Offered as needed.*

**311 Philosophy of Mind (IT, W)** Examines issues raised by this question: ‘Can mental phenomena be accounted for by a physicalist theory?’ Topics such as the problem of other minds, artificial intelligence, mental causation, mental imagery, intentionality, and consciousness will be studied. Prerequisite: One course in Philosophy or consent of instructor. *Offered in alternate years.*

**340 Philosophy of Language (W)** What are the relationships between language, thought, and reality? How is the study of language important to philosophy? Through classic texts in the analytic tradition, we will investigate questions concerning meaning, truth, and the relationship between words and things ‘in the world.’ Prerequisite: One course in Philosophy or consent of instructor. *Offered in alternate years.*

**341 Religious Tolerance and Pluralism (AV), (Cross-listed with REL 341)** In the contemporary world, religious differences are a major cause of conflict. How are we to contend with these differences? This class debates various arguments about tolerance and pluralism such as whether or not Jews and Christians are morally obligated to adapt their religious world-views to these principles. *Offered in alternate years.*

**342 Judaism through the Ages (IT, W), (Cross-listed with REL 342)** A survey of the varied nature of Judaism focusing on history, theology, philosophy, and politics.

Subjects covered will include the Hebrew Bible, Second Temple Judaism, Rabbinic theology, Maimonides, the Haskala (Jewish Enlightenment), Hasidism, Zionism, and the diversity of contemporary Judaism. *Offered in alternate years.*

**343 American Jewish Thought (IT), (Cross-listed with REL 343)** How have developments in history, philosophy, science and especially the multicultural nature of society in the twentieth and twenty-first century US, shaped Jewish self-understanding? Of particular interest are the contested issues of Chosenness, the meaning of God, ethnicity, and religious observance.

**350 Knowledge, Belief, and Society (W)** Consideration of the nature of, and relations between, knowledge, belief, perception, truth, meaning, and evidence. Prerequisite: One course in Philosophy or consent of instructor. *Offered in alternate years.*

**351 Metaphysics (W)** Examination of central problems in metaphysics such as freedom and determinism, causality, existence, and identity. Prerequisite: One course in Philosophy or consent of instructor. *Offered in alternate years.*

**355 Major Philosophers or Philosophical Movements (IT, W)** Close study of a major philosopher (e.g., Aristotle, Hume, Kant); an imagined encounter between philosophers (e.g., Hume and Kant, Aristotle and Mill); a major historical period, school, or philosophical movement (Rationalism, Empiricism, Existentialism). May be repeated for credit when different subjects are studied. Prerequisite: One course in Philosophy or consent of instructor. *Offered annually.*

**356 Contemporary Ethics (AV, W)** An advanced study of recent and contemporary work in ethical theory. Readings may include the work of Christine Korsgaard, Bernard Williams, Thomas Nagel, and Derek Parfit, among others. Prerequisite: One course in Philosophy or consent of instructor. *Offered in alternate years.*

**360 Topics in Logic (Cross-listed with CS 360)** Investigation of topics in formal logic. Covers soundness, completeness, and undecidability of classical predicate logic. Additional topics might include incompleteness, non-classical logics (e.g., modal, intuitionistic, many valued), computer implementations, and logic programming. Students will complete a final project relative to the rubric (Computer Science, Philosophy) chosen at registration. Prerequisite: CS 128 and CS/MATH 135. *Offered as needed.*

**370 Special Topics** An examination, at the advanced level, of selected topics in philosophy not covered in the regular course offerings. May be repeated for credit when different subjects are studied. See current *Program of Classes* to determine if this course fulfills general education requirements. Prerequisite: One course in Philosophy or consent of instructor. *Offered as needed.*

**380/381 Independent Study in Philosophy** Topics to be arranged in consultation with individual members of the Philosophy department. Normally topics may not duplicate regular departmental course offerings. Prerequisite: Three courses in Philosophy and consent of instructor. *Offered on request.*

**397 Internship in Philosophy** Students in their junior or senior year may do an internship related to their philosophical interest on a credit/no-credit basis. To be arranged in consultation with members of the Philosophy department. Prerequisite: Junior or senior standing and consent of instructor. *Offered on request.*

**403 Research Honors in Philosophy** Independent study leading to the defense of a research honors project. Intended primarily for senior philosophy majors, though philosophy minors and majors in other disciplines may qualify. Prerequisite: Senior standing in philosophy or consent of instructor. *Offered on request.*



## PHYSICAL EDUCATION

See Kinesiology, Sport and Wellness

## PHYSICS

*Jaggi, Iqbal, Perera, Spalding, Thape*

We believe that some training in physics is an important component of a liberal education in a technological world. The department, therefore, offers a number of general education courses open to all students.

The major is designed as an experimentally intensive and theoretically rigorous foundation in classical and modern physics. It is the recommended major for pre-engineering students interested in automotive, civil, electrical, electronics, mechanical, and nuclear engineering. The department also offers service courses for other science majors.

Physics majors and minors who desire a secondary teaching license declare a second major in Secondary Education. Additional coursework in the life sciences is required for licensure. Refer to the Educational Studies curriculum description in this *Catalog* and the *Teacher Education Information Handbook* ([www.iwu.edu/educational-studies/handbooks/](http://www.iwu.edu/educational-studies/handbooks/)) for further information.

The department specializes in optics, condensed matter physics, atomic physics, astrophysics, astronomy, and encourages all students to work on research projects in collaboration with faculty members. The engineering pathways program is available with a major in physics and consideration of this option is encouraged, but careful planning is required because the advanced physics courses are offered in alternate years only.

The department of physics has many facilities for research including the Mark Evans Observatory which has a computer controlled 11-inch telescope with CCD Detector. Students majoring in physics may take up to two course units of independent study or research.

### ***Major Sequence in Physics:***

A minimum of ten courses and units including:

- 1) Physics 105 and 106
- 2) Physics 207 and 304
- 3) Two from Physics 405, 406, 407, and 408; one of these must come from Physics 405, 406
- 4) Four additional courses and units in physics selected by the student with the consultation and approval of the major advisor/department chair to form a coherent program. Three of these four must be from the upper level courses that have a lab component. These include Physics 301 (Intermediate Experimental Methods), Physics 305 (Electronics), Physics 306 (Materials Physics), Physics 307 (Optical Physics), Physics 308 (Scientific Imaging), Physics 370 (An Exploration of Advanced Topics in Physics, when it has a lab component) and Physics 399 (Experimental Physics.)

The following physics courses will not count toward the major: Physics 101 (General Physics I), Physics 102 (General Physics II), Physics 110 (Fundamental

Astronomy), Physics 120 (Energy and Society), Physics 130 (Sound, Music, Hearing), and Physics 397 (Internship).

- 5) Courses outside the department that physics majors are recommended to take: two semesters of chemistry or biology.

Physics majors have the option of pursuing a concentration in Optics & Photonics or Astrophysics.

#### ***Concentration in Optics & Photonics:***

A minimum of eleven courses and units including:

- 1) Physics 105 and 106
- 2) Physics 207, 304
- 3) Physics 406
- 4) One course selected from Physics 405, 407, and 408
- 5) Two courses selected from Physics 307, 308, and 317
- 6) Three additional courses and units in physics selected by the student with consultation and approval of the major advisor/department chair to form a coherent program.

#### ***Concentration in Astrophysics:***

A minimum of eleven courses and units including:

- 1) Physics 105 and 106
- 2) Physics 207, 304
- 3) Two courses selected from Physics 405, 406, 407, and 408; one of these must come from Physics 405, 406
- 4) One course selected from Physics 307, 308, and 408
- 5) Physics 310
- 6) Physics 370 (Cosmology)
- 7) Two additional courses and units in physics selected by the student with consultation and approval of the major advisor/department chair to form a coherent program.

The following physics courses will not count towards the major: Physics 101 (General Physics I), Physics 102 (General Physics II), Physics 110 (Fundamental Astronomy), Physics 120 (Energy and Society), Physics 130 (Sound, Music, Hearing), Physics 131 (How Things Work), and Physics 397 (Internship).

#### ***Minor Sequence in Physics:***

A minimum of five courses to include:

- 1) Physics 101 or 105, 102 or 106
- 2) Physics 207 and 304
- 3) One additional 300-level course. The following are recommended:
  - A. Mechanics 405 for Mathematics majors
  - B. Quantum Mechanics for Chemistry majors
  - C. Electronics 305 for Biology majors.

**101, 102 General Physics (1.25) (1.25) (PSL)** A two-semester sequence in general physics (not intended for pre-engineering students, or students planning to become chemists or physicists). Topics include a survey of: vector methods, conservation laws, classical mechanics, gravitation, optics, sound, heat, electricity, magnetism and elementary

quantum physics. Three hours lecture, two and a half hours lab. Prerequisite: Skill in algebraic manipulation; Physics 101 for 102. *Offered annually.*

**105 Physics I – Mechanics (1.25) (PSL)** A calculus-based introductory course designed for physical science and pre-engineering majors. Uncovers the foundation of non-relativistic Newtonian mechanics of a system of particles. Topics include translational, rotational, vibrational and wave-like motions in simple physical and engineering systems. Three hours lecture, two and a half hours lab. Prerequisite: concurrent enrollment in MATH 176, or consent. *Offered annually.*

**106 Physics II – Electricity, Magnetism and Optics (1.25) (PSL)** A calculus-based course for physical science and pre-engineering majors. Topics include electric and magnetic fields, a.c. and d.c. circuits, geometrical optics, wave motion and physical optics. Three hours lecture, two and a half hours lab, and one hour discussion per week. Co-requisite : PHYS 105, concurrent enrollment in MATH 176 or consent. *Offered annually.*

**110 Fundamental Astronomy (PSL)** A course dealing in a limited mathematical way with the nature of light, astronomical instruments, the universe and relativity, galactic structure, the properties and evolution of stars and the solar system, and cosmology. This course is primarily, but not exclusively, for non-science majors. May not count for the major. *Offered annually.*

**120 Energy and Society (PSI) (Cross-listed with ENST 115)** This course provides an introduction to the fundamental scientific principles governing the production, inter-conversion and transmission of various forms of energy, and the manner in which they interact with the environment, both on a local as well as on a global scale. Students will also apply this fundamental knowledge to specific and competing choices that can be made at the individual level and as a society, regarding energy options and energy policy. *Offered annually.*

**130 Sound, Music and Hearing (PSL)** Sound, Music, and Hearing connects physics, aesthetics, physiology, psychology and ecology through the study of sound. In the class-room and in the laboratory, students will learn about the physical basis of sound production, human hearing, the creation of musical sound, and noise pollution. Outside of class, students will study specific sounds in their environment and explore additional topics of their choosing, such as acoustics, holographic analysis, or noise reduction in buildings. The course has minimal mathematical prerequisites, consisting of high school algebra, plane geometry, and some trigonometry. *Offered occasionally.*

**131 How Things Work (PSL)** This course for non-science majors will introduce concepts from physics and other branches of science to understand how a selection of devices (some ancient, some modern) work. A significant portion of the course will involve disassembling and building mechanisms. *Offered annually.*

**175 Introductory Special Topics in Physics (1.25) (PSL)** x-75 courses are a general rubric, allowing for curricular innovation. Topics vary, depending on the interest and demand. This course is offered primarily, but not exclusively, for non-science majors. May not count for the major. Prerequisites: High school algebra, plane geometry, and trigonometry. *Offered occasionally.*

**207 Physics III – Modern Physics and Thermodynamics (1.25) (W)** An introduction to the formalisms associated with Relativity and basic Quantum theory, including the consequences of indistinguishability, which lead directly to the Pauli Exclusion Principle, Fermi-Dirac statistics, Bose Einstein statistics, and the many-body physics underlying both Thermodynamics and Materials Physics. Includes Laboratory and Computer exercises. Prerequisites: PHYS 102 or 106, and either completion of or concurrent enrollment in MATH 177. *Offered annually.*

**270 Intermediate Special Topics in Physical Design (1.25) (PSL)** x-70 courses are a general rubric, allowing for curricular innovation. Topics vary, depending of the interest and demand. To include such areas as: How Things Work: Introduction to Design II, or

Materials Science for Design II, or Sustainable Design II, or Engineering Design. This course is offered primarily, but not exclusively, for non-science majors. May not count for the major. Prerequisite: The corresponding PHYS 175, if applicable, or consent of instructor. *Offered occasionally.*

**277 Special Topics in Physics** x-77 courses are a general rubric, allowing for curricular innovation. Topics vary, depending on interest and demand. This course is offered primarily, but not exclusively, for science majors, and may count toward the major. Prerequisite: PHYS 102, 106, or consent of instructor. *Offered occasionally.*

**301 Intermediate Experimental Methods** Intermediate Experimental Methods is a methods course intended to prepare students for the many other experimental opportunities offered at IWU. Experience has shown that such methods courses greatly ease subsequent efforts. This course offers a broad survey of experimental methods in physics built around several labs. Prerequisite: PHYS 207 or CHEM 332, or consent of instructor. *Offered in alternate years.*

**304 Mathematical Methods of Physical Science** This course covers mathematical techniques needed in the physical sciences. Topics include: infinite series, complex variable, linear algebra, vector spaces and analysis, partial differentiation, multiple integrals, Fourier series and transforms, differential equations, and variational calculus. Prerequisite: MATH 176. *Offered annually.*

**305 Electronics (1.25)** Elementary circuit theory; fundamentals of diodes and transistors; amplifiers. Integrated circuitry; operational amplifiers and their versatility; introduction to digital logic and electronics. Lectures and laboratory. Prerequisites: PHYS 102, 106. *Offered in alternate years.*

**306 Materials Physics (1.25)** Microscopic principles behind macroscopic collections of atoms in gases, liquids, and solids. For each “state of matter” we will consider: mechanical properties, thermal properties, sound propagation, electrical transport, optical properties, and magnetic properties. Prerequisite: PHYS 207 or CHEM 332. *Offered in alternate years.*

**307 Optical Physics (1.25)** Geometrical theory of optical systems; interference, diffraction, Fourier theory, spatial filtering; coherent light, holography; electromagnetic theory of light, polarization, crystal optics; spectroscopy. Lectures and laboratory. Prerequisites: PHYS 106, 304. *Offered in alternate years.*

**308 Scientific Imaging (1.25)** Scientific imaging is an interdisciplinary course that teaches concepts from physics and computer science, and applies them to problems in biology, astronomy, physics, and engineering. Topics include the format, characterization, and manipulation of digital images, geometric optics, and biomedical imaging. 2.5 hours lecture, and 2.5 hours lab per week. Prerequisite: One year of physics or chemistry or consent of instructor. *Offered occasionally.*

**310 Introduction to Astronomy and Astrophysics** Quantum theory of light, radiation and spectra, astronomical instruments and coordinate systems, the Milky Way and other galaxies, properties of gases and stellar evolution, gravitation, relativity, cosmology. Prerequisite: MATH 176. *Offered in alternate years.*

**317 The Momentum of the Photon** This course introduces Quantum Optics alongside parallel discussion of Classical Electrodynamics, here presented as a story of energy and momentum. The aim is to leverage the physical understanding provided by analysis of laser beams, to provide context for discussions of quantum physics. Prerequisite: PHYS 304. *Offered in as needed.*

**370 An Exploration of Advanced Topics in Physics** *Offered occasionally.*

**397 Internship in Physics** Internships in various scientific research centers, industrial laboratories, or engineering firms. Prerequisites: junior standing and consent of department chair. May not count toward the major. *Offered annually.*

**399 Experimental Physics** Experiments and experimental techniques in contemporary physics. Electrical and electronic circuits, optics, atomic and nuclear physics. An intensive course offered usually during May Term. Prerequisites: general physics, MATH 176 and consent. May be repeated for a maximum of two course units. *Offered occasionally.*

**405 Theoretical Mechanics** Vector analysis and matrices, Newtonian mechanics, gravitation, oscillatory motion, Lagrangian and Hamiltonian dynamics, central forces, non-inertial systems, wave mechanics. Four hours lecture per week. Prerequisite: PHYS 304. *Offered annually.*

**406 Electricity and Magnetism** Potential theory in statics and Maxwell's equations in dynamics. Coulomb's law, Gauss' law, vector calculus, Ampere's law, Faraday's law, interaction of matter with fields, and radiation theory. Four hours lecture per week. Prerequisite: PHYS 304. *Offered every other year.*

**407 Introduction to Quantum Mechanics (Cross-listed with CHEM 323)** Wave mechanics, the Schroedinger equation, operator formalism, the harmonic oscillator, the hydrogen atom, angular momentum, spin, scattering theory, chemical bonding, electromagnetic interaction. Four hours lecture per week. Prerequisite: PHYS 304. *Offered in alternate years.*

**408 Statistical Physics (Cross-listed with CHEM 324)** Introduces central principles underlying thermodynamic properties found in large collections of atoms and molecules (i.e. systems with many degrees of freedom). A core pillar of the major, Statistical Physics is recommended for any student considering graduate school in Physics, and for Chemistry Majors, reinforcing key elements of Physical Chemistry. Prerequisite: PHYS 207 or CHEM 332. *Offered in alternate years.*

**495 Directed Study** Individualized directed readings on a topic of interest to the student which is not normally a part of the curriculum. The work may include a laboratory component. It may also include the requirement for the preparation of a significant paper which brings together the results of the study. *Offered annually.*

**499 Research/Thesis (.5 or 1)** Experimental or theoretical examination of an unsolved problem on a topic of interest to the student and cooperating faculty member. A significant paper detailing the findings of the investigation is expected at the conclusion of the work. Prerequisite: Consent of department head. *Offered annually.*

## **POLITICAL SCIENCE**

*Munro, Renner, Shaw, Simeone*

Politics permeates the life of any organized society, for it is through the medium of politics that rewards, penalties, values, and statuses are distributed among society's members. The study of political science is particularly concerned with social organization and activity as it relates to government. Political science is a natural preparation for the lawyer, the journalist, the lobbyist, the political campaign consultant, or the public servant at international, national, state, regional and local levels. For the scientist engaged in social research, for the business-person who communicates with governments, for the secondary teacher of social science, or for the teacher of political science at all institutions of higher learning, a political science major is an invaluable asset.

The citizen with a political science major will be a more effective participant in politics and community affairs. Today's democratic society demands of the citizen that she/he/they participate intelligently in the activities of government, display understanding of the world, understand and develop political thought, and

appreciate the process by which the human activity of politics is studied. Moreover, the educated citizen should be able to analyze information and think critically about the process of politics. Political Research Seminars are offered each Fall semester and provide opportunities for collaborative learning and the integration of knowledge at an advanced level. As such, these seminars mark a step in student's emergence as an independent scholar and must be passed with a grade of "C-" or higher. Students whose grade falls below a "C-" must enroll in another Political Research Seminar or in Political Science 402 Advanced Studies in Politics to revise the research project, earning at least a grade of "C-" in one or the other of these courses.

The courses prescribed below constitute the minimum requirements for the major, and are intended to provide graduates a necessary core of knowledge. This includes American government, international and comparative politics, political theory, and the role of scholarly research in understanding modern government and politics. The Political Research Seminars provide opportunities for conducting original political science research, and the integration of knowledge at an advanced level.

#### ***Major Sequence in Political Science:***

A minimum of 10 course units in political science, including:

6 electives (at least two of which must be at the 300-level or above;)

4 required courses:

- 1) Political Science 101, 102, or 103
- 2) Political Science 315, 316, 317, or 318
- 3) Political Science 392

Political science majors must also satisfy an off-campus requirement. This requirement does not necessarily involve a specific course. Rather, students can satisfy this requirement by completing PSCI 395, 396, 397, a study abroad program, the Washington Semester, the Chicago Urban Studies Program, or a department approved May Term course. Students seeking to apply a May Term course to this requirement must obtain the department chair's approval for doing so prior to the beginning of the course.

Political science majors are also encouraged to take relevant courses in the following areas: economics, history, philosophy, statistics, and sociology.

#### ***Minor Sequence in Political Science:***

Students contemplating a minor in political science should consult with the department head before choosing courses. The minor consists of 6 courses, to include:

- 1) At least one course from each of the two areas listed below:
  - A. Political Science 101, 102, or 103
  - B. Political Science 315, 316, 317, or 318
- 2) At least one other course at the 300-level or above (in addition to 1, B above, excluding 398)
- 3) Three additional electives in political science (for a total of 6 courses, excluding 398)

Note: Not more than one course unit of independent study or internship may count toward the minor (Political Science 250, 396, 397, or 402).

**101 American Politics (CSI, U)** An introduction to the structure, institutions and processes of American government. Topics include an analysis of the system of American federalism, separation of powers, Congress, the Presidency, Supreme Court policy-making, elections and voting behavior, political parties and interest groups. *Offered each semester.*

**102 International Politics (CHC, G)** A theoretical and historical basis for analyzing and understanding international politics. It does so by examining the major conceptual approaches to the study of war, peace, and the interactions of nations and states. The class seeks to place contemporary and historical events into a broader analytical context, and to understand the forces of change in the international system from a number of theoretical perspectives. *Offered each semester.*

**103 Comparing Nations (CSI, G)** Compares the peoples, geography, political culture (attitudes and values of citizens), and government (structures, processes, and policy-making) across a range of countries in order to better understand how politics works. *Offered annually.*

**104 Multiculturalism and its Critics (AV)** Internationally, advocates of multiculturalism promote the cultural and religious interests of national minorities, immigrants, and dispersed communities within the nation state. This course focuses on liberal multiculturalism, which claims that individual rights are necessary but insufficient for the protection of minority group interests. Critics see tensions between multi-cultural protections and (1) national unity, (2) feminism, and (3) the liberal ideal of state neutrality. *Offered in alternate years.*

**105 Civil Liberties and Social Justice (AV)** An introduction to compelling social justice debates which have reached the United States Supreme Court. Social Justice is defined as a subcategory of justice concerns which treats the oppression or domination experienced by people because of their membership in ascribed groups. Cases will vary, but the issues of equal protection of the laws, fair criminal procedure, the free exercise of religion, and discrimination against immigrants will be addressed. *Offered in alternate years.*

**200 American Political Cultures (U)** This course examines the variations among and conflicts between the different political cultures in America. These include varying values, attitudes, beliefs and symbols. The course analyzes several cultural clashes over the public policy decisions of government. *Offered occasionally.*

**201 Law and Politics in States and Communities** Analysis of the different structures and political cultures of state and local governments in the United States. Focus is on institutional structures, behavioral patterns and trends, public policies, and on the interplay of levels of government in a Federal system. *Offered in alternate years.*

**202 Engagement & the City (U) (Cross-listed with SOC 202)** An introduction to the challenges of contemporary citizenship, the course teaches students the basic skills of action research. Students work in teams on projects with community partners. Students learn to conduct stakeholder analyses, locate communities in the context of power and social capital, complete “best practice” studies, and create and implement action plans. Sophomore standing recommended. *Offered in alternate years.*

**204/304 Transitional Justice (AV)** Societies emerging from extreme violence such as genocide, ethnic cleansing, or state terror cannot find durable peace without taking account of these legacies, acknowledging responsibility for such crimes, and implementing some form of justice. Such “transitional justice” processes have become a major mechanism of international relations, human rights law, and humanitarian advocacy. This course examines the political, institutional, and normative challenges of implementing them. *Offered every third year.*

**210 Democracy: What’s the Big Idea? (IT)** This seminar introduces students to multiple perspectives on democratic theory and practice. These include expectations surrounding citizen competence and involvement in governance, the

evolution of democratic institutions, and prospects for saving democracy from the economic and cultural crises of our era. This is a team-taught seminar involving the entire department. Prerequisites: at least sophomore standing, or instructor approval. *Offered annually.*

**215 Politics in Developing Societies** A study of emerging societies with marked problems evidenced in their political behavior and structures, cultural diffusion, unequally progressing systems, and international acts. Examples will include nations in Asia, Africa, the Middle East, or Latin America. *Offered in alternate years.*

**216 Politics in Africa** Examines trajectories of political and economic development in Africa. Considers the impact of colonialism on economic, social and cultural organization in Africa, the nature of postcolonial African elites, and the sources of their power. Analyzes the politics of 'development' in Africa through African states' relationship to international financial institutions. *Offered in alternate years.*

**217 Politics and Society in Contemporary South Africa (G)** This course examines South Africa's transition from authoritarian apartheid rule to a democratic dispensation. It focuses on the legacies of apartheid and the characteristics of the liberation struggle; emerging political cultures; the design of new political institutions; the political economy of uneven development; the challenges of poverty and social reconstruction. *Offered in alternate years.*

**230 The American Presidency (W)** This course surveys the American presidency from its founding to the current period, with an emphasis on the modern presidency. Several perspectives on understanding presidential power are examined. Particular attention is given to presidential relations with Congress and the courts. Students produce a research paper. Recommended prerequisite: PSCI 101. *Offered in alternate years.*

**241 American Elections, Political Parties and Campaigns (CSI, W)** Designed to explore the idiosyncratic nature of the American electoral process and political party system. It includes an analysis of divergent political sub-cultures, public opinion, the impact of electoral structures or different rules of the game, electoral history, change, partisan realignment and the critical factors which affect individual voting decisions such as party identification, ideology, issues and candidate images. It will also examine political institutions in the era of modern new style election campaigns. Recommended prerequisite: PSCI 101. *Offered in alternate years.*

**243 Public Opinion and Political Behavior** Introduces students to the major themes in American public opinion and political behavior. Emphasis is given to the mechanics of opinion polling, political learning and opinion formation, media influences, connections between opinion and behavior, and linkages between public opinion and public policy. *Offered occasionally.*

**244 Voting, Voice, and Virtual Freedom (AV, W)** Is the Voting Rights Act still needed after the Obama era? Was the city of Chicago justified in shutting down nightly Occupy protests in Grant Park? Is net neutrality a First Amendment right? Should Twitter be held to free speech standards? These and other issues will be featured in this discussion-based class. Students will master the persuasive essay form, and will research, write, present, and publish Wikipedia entries on a variety of civil liberties topics. *Offered in alternate years.*

**250 Special Project** Independent research under the supervision of a department faculty member. Prerequisite: Consent of faculty supervisor. *Offered occasionally.*

**260 American Environmental Politics and Policy (CSI) (Cross-listed with ENST 260)** Basic introduction to the institutional and legal framework of contemporary American environmental policy and to environmental politics in the United States. Policy issues explored include water and air pollution, solid and hazardous waste, endangered species and wilderness preservation, energy development, growth management, and environmental justice. *Offered in alternate years, fall semester.*



**262/362 Global Environmental Sustainability and Asian Development (CSI, G) (Cross-listed with ENST 262/362)** Home to 60 percent of the world's population, abundant biodiversity, and rapid economic growth, Asia is central to life on our planet. This course introduces students to Asia's ecosystems; it then focuses on how economic development trends in Asia are influencing environmental, social, and economic sustainability and affecting people both within Asia and globally. *Offered annually.*

**270 Special Topics in Politics (1.00 or 1.25 depending on topic)** A periodic course dealing with political issues of current or unique interest. May be repeated once for credit if the topic is not repeated. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*

**281 American Social Policy (AV, U)** This course surveys some major social programs in the U.S. in an effort to understand why Americans debate politics in the ways they do. Topics include Social Security, welfare, health policy, and affirmative action, among others. Students will examine the basic workings of these programs in addition to significantly exploring the cultural and economic values the programs involve. *Offered annually.*

**282/382 American Health Policy** This course examines health policy in the United States. In addition to covering issues related to quality of and access to care, it addresses the major payment systems of Medicare, Medicaid, and private insurance. Students will have opportunities to meet and discuss these issues with health professionals who visit class. Some small-group work will allow students to identify problems with the nation's current health systems and propose detailed solutions. Prerequisite for 382: approval of instructor. *Offered in alternate years.*

**285/385 Political Tales We Tell Ourselves (AV)** This course leads students through studies of narrative building and myth-making surrounding public policy in the contemporary US, UK, and Canada. We examine the social functions of political myths and typical trajectories of how they arise and evolve over time. Topics include public health, income mobility, and climate change, among others. Students enrolling in the 300-level version of this course will help co-lead several of our discussions in class and will produce a more extensive research paper than the 200-level students will write. *Offered in alternate years.*

**301 Studies in Political Culture: The American South and the Politics of Race (U)** Examines the distinctive political culture of the American South (its collective values, beliefs, history and demographic characteristics) and the central role of race in forming this uniqueness. *Offered in alternate years.*

**302 Political Protest and Social Movements** Through an examination of case studies and theoretical approaches, this course examines the politics of popular protest and rebellion. Topics include: resources and prerequisites for movement mobilization and success; the role of cultures/ideologies in mobilization; changing protest 'repertoires' and tactics; 'old' and 'new' social movements; how state institutions structure the characteristics of social movements. *Offered in alternate years.*

**303 International Law and Organizations** The sources and nature of international law. Concern for current legal issues such as the use of force, human rights, war crimes, outer space, ecology, and international organizations, both general and economic. Case law course. *Offered in alternate years.*

**304 Transitional Justice (AV)** See 204/304 for complete description.

**307 Constitutional Law I: Judicial Review and Constitutional Interpretation** The Constitution governs the relations between the executive branch and Congress and the federal government and the states. But is a Constitution more than a set of rules?; who has the ultimate authority to interpret it?; and how should it be done? With these questions, we interrogate the classic cases of *Calder v. Bull*, *Marbury v. Madison*, *McCulloch v. Maryland*, *Missouri v. Holland*, and *Roe v. Wade* among others. *Offered in alternate years.*

**315 Classical Political Thought: Democracy in Athens and America (IT, W)** This course uses Thucydides' History of the Peloponnesian War, the dialogues of Plato, and the plays of Sophocles and Aristophanes to examine the values and ideals of Athenian democracy. The American case is used to spur debate. Issues addressed include: the rules of war, realist and constructivist views of power, and the merits of democratic participation. *Offered in alternate years.*

**316 Modern Political Thought: Liberalism, Religion and the Nation-State (IT, W)** This class uses the defining texts of modern political theory – Hobbes' Leviathan, Locke's Second Treatise on Government, and Rousseau's On the Social Contract – to develop a working definition of liberalism. Problems that plague the application of liberal principles are raised as we address the conundrum of voluntary servitude, the shifting basis of the social contract in consent and reason, the claim that property is a pre-political right, the distinction between negative and positive liberty, and the role of religion in public life. *Offered in alternate years.*

**317 American Political Thought: Liberalism, Republicanism and Ascription (IT, W)** American political ideals often express a liberal commitment to individual freedom, but a republican commitment to citizen independence and ascriptive commitments to particular ethnic and religious traditions have also characterized mainstream political ideology in the United States. This class assesses the claim that the liberal tradition dominates American politics. *Offered in alternate years.*

**318 Schools and Sects in the Study of Politics (IT)** This seminar course covers many influential writings in political science in order to examine why we ask the questions we ask and why we tend to look for the types of evidence we often gather. We read these texts paying at least as much attention to the theoretical and epistemological approaches used as to the substance of the findings and conclusions. Several short papers are required. Prerequisite: Junior or senior standing or consent of instructor. *Offered occasionally.*

**322 Politics of the European Union (CHC, G)** The course of Politics of the European Union seeks to examine the history of European integration, European institutions, European policies, and the challenges and opportunities of European integration (e.g., Europeanization, the democratic deficit, European identity, transatlantic relations, the Eurozone crisis, etc.). *Offered occasionally.*

**325 Conflict Areas of the Third World** The focus will be on both the sources and the nature of conflict in the various areas of the Third World: Africa, Latin America, Asia. *Offered in alternate years.*

**326 Globalization and Development** Explores the roots of global poverty and inequality by examining the interplay of ideas and power that shape poor countries' development strategies. Analyzes foundational ideas of classical thinkers: Smith, Marx, Durkheim, Weber. Assesses concepts of modernization, dependency and neoliberalism. Analyzes effects of multilateral organizations, states, markets, civil society organizations and local cultures. *Offered in alternate years.*

**340 Program Planning and Evaluation (W) (Cross-listed with HLTH 340)** This course serves as an introduction to the essential competencies involved in the planning, monitoring, and evaluation of public health programs. Coursework combines needs assessments, research methods, proposal writing, budgeting, project management, and program outcome evaluation. It supports students interested in work in the non-profit as well as the public sector. *Offered annually.*

**341 Congress and the Legislative Process** This course introduces students to the contemporary U.S. Congress. Topics include explanations of how Congress organizes itself and the implications of those perspectives, and how Congress relates to the executive branch and the courts. Individual research projects allow examination of a topic of particular interest to a student. *Offered in alternate years.*

**345 International Political Economy** An examination of the ways in which the interplay between political and economic factors shape the global system. Prerequisite: PSCI 102 or ECON 100 or consent of instructor. *Offered annually.*

**360 Comparative Environmental Politics (CSI, G, W) (Cross-listed with ENST 360)** Examination of how different political-economic systems shape the environmental policy process and impact the environment. This course considers how party-structure, mode of interest articulation, economic system and level of development affect environmental policy. Countries studied include the United States, Germany, former Soviet Union/Russia, China, India, Brazil and Nigeria. Recommended prerequisite: a course in either PSCI or ENST. *Offered in alternate years, spring semester.*

**361 Globalization and the Environment (CSI, G) (Cross-listed with ENST 361)** Introduction to the international politics behind efforts to deal with tropical deforestation, ozone depletion, global warming, loss of biodiversity and transnational transfer of hazardous wastes. Actors, conferences, and accords involved in the international environmental policy process are discussed, with particular attention to different positions of industrialized versus developing countries. *Offered in alternate years, spring semester.*

**362 Global Environmental Sustainability and Asian Development (CSI, G) (Cross-listed with ENST 262/362)** See 262/362 for full course description.

**363 Global Response to Climate Change (Cross-listed with ENST 363)** This course examines from a comparative perspective the effects of climate change in five different countries on five different continents (North America, Europe, Africa, Asia, South America) and how different governments and peoples in these countries are responding to rapidly changing ecological conditions. *Offered in alternate years.*

**365 Ethical Dilemmas in Environmental Politics (AV) (Cross-listed with ENST 365)** When can non-human claims trump human interests? Does humanism provide a coherent lens for evaluating environmental issues? How do answers to these questions influence our answers to dilemmas in environmental politics such as how to weigh the value of biodiversity and whether to use cost/benefit analysis to evaluate and determine regulatory policy? Utilitarian, Kantian, Social Contract, and holistic theories are introduced as competing criteria for evaluating the risk of environmental harm caused by human development. *Offered in alternate years.*

**370 Advanced Special Topics in Politics** An upper level course examining a particular subfield in the discipline, such as ethnic nationalism, populism, mass migration, or a course on a particular area of public policy. Students will be able to repeat the course if the subject is not duplicated. Prerequisite: any 100-level political science course. See current *Program of Classes* to determine if this course fulfills shared curriculum requirements. *Offered occasionally.*

**392 Empirical Political Research** An introduction to the logic, process and methodology of conducting empirical research in political science. It includes discussions of theory/hypothesis and analysis. The latter often involves the use of statistics. However, the approach to statistical analysis in the course is upon how and why statistics are used to study political behavior and not upon memorizing particular formulas or mathematical proofs. *Offered each spring.*

**395 Action Research Seminar (Cross-listed as Sociology 395)** This seminar bridges theory and applied research in community action. The course introduces the student as scholar-citizen to the multiple ways of seeking information on communities and examining community issues. On teams with community partners and faculty, students develop action plans and implement research projects. Prerequisite: Sophomore standing. *Offered each semester.*

**396 Internship Seminar** Qualified students may arrange an action research project in consultation with a department member and a community partner. Visit

the Career Center or the Action Research Center (ARC) website for potential projects. Requirements include a journal, demonstrated citizenship skills, attendance at a weekly seminar, a supervisor's evaluation, and a formal project outcome. May be repeated for a total of two course units. Prerequisites: a learning contract and consent of instructor. *Offered each semester.*

**397 Internship in Administration** Qualified students may arrange work-study programs in consultation with a faculty member and a sponsor associated with a public agency, law firm, social service agency, the local branch of a non-profit or non-governmental agency. Requirements to be specified in the internship learning contract include a journal and an oral presentation at a departmental internship colloquium (offered in December and April). Prerequisites: Consent of instructor and sophomore standing. *Offered each semester.*

**398 Grant Writing (Cross-listed with SOC 398)** Grants are a funding challenge and opportunity for non-profits. Successful grants must construct a compelling argument and align with funder priorities. Students partner with community leaders to complete applications in support of actual programs. This course does not count toward the major or minor in Sociology or Political Science. Recommended prerequisite: PSCI 395. Prerequisite: Sophomore standing and above. *Offered by arrangement.*

**402 Advanced Studies in Politics** A major original research project developed and implemented in consultation with a department faculty mentor. Particularly appropriate for qualified students seeking to graduate with Research Honors. Prerequisite: Consent of faculty mentor. *Offered occasionally.*

**415 Senior Seminar (W)** Students must apply research skills and analytical reasoning acquired in their earlier course work by conducting an original research project on a given theme and presenting their results in writing and in an oral presentation to peers. Students must earn a minimum grade of C- for the course to count in the major. *Offered each fall.*

## PSYCHOLOGY

*Vicary, Kerr, Kunce, Montpetit, Nebel-Schwalm, Themanson, Williams*

Courses in psychology are designed to explore the principles of human and animal behavior. The curriculum is designed to meet three goals:

- 1) To provide a basic background in principles and exploratory methods of psychology in preparation for graduate study in areas such as experimental, clinical and physiological psychology and medicine;
- 2) To prepare students to function at the bachelor's level in careers that apply psychology to such areas as education, business, and human services;
- 3) To enhance the liberal education of all students.

Located in the Center for Natural Sciences, the department of psychology provides excellent facilities for experimental and applied work. Laboratories for cognitive studies, animal learning and conditioning, behavioral neuroscience, developmental, abnormal and statistics are used in classroom instruction and undergraduate research. The psychology computer lab provides 16 networked computer systems. Many students choose to do individual research projects in the 399, 400, and 401 courses. Students also choose from a wide variety of internship experiences in human services settings throughout the community.

### **Major Sequence in Psychology:**

A minimum of 11 courses in Psychology including:

- a.) Psychology 100
- b.) Psychology 227 (recommended sophomore year)
- c.) Psychology 300 (recommended sophomore or junior year)
- d.) Two of the following: Psychology 211, 212, and 213
- e.) Two courses, numbered Psychology 251-259
- f.) One course, numbered Psychology 311-329
- g.) One course, numbered Psychology 352-369
- h.) One additional course, numbered Psychology 301-370, 400, or 497
- i.) One additional course in Psychology
- j.) One Psychology course carrying the EXP attribute (does not need to be in addition to above)

Courses outside the department that are required:

- a.) One semester of biological coursework, either Neuroscience 110, Biology 101, or Biology 107.
- b.) A Philosophy course approved by the advisor (or Psychology 330)

### **Minor Sequence in Psychology:**

Six courses of which at least two are upper division.

Requirements include:

- a.) Psychology 100
- b.) One of the following: Psychology 211, 212, or 213
- c.) One of the following: Psychology 251, 253 or 259
- d.) One of the following: Psychology 227, Biology 323, Economics 227, Sociology 225, Nursing 385, or Political Science 392
- e.) Two additional Psychology courses numbered 301 or above

**100 General Psychology (LSI)** A survey of topics in psychology, and an introduction to scientific methodology. *Offered each semester.*

**204 Health Psychology (Cross-listed with HLTH 204)** Health Psychology examines how psychological, social, and biological factors influence health and illness. The course provides an introduction to key areas of health psychology including stress and coping; psychosocial influences and determinants of health, pain, illness, and injuries; health disparities; nicotine and substance use; eating and exercise behaviors; and health-promoting behaviors, interventions, and prevention. *Offered annually.*

**211 EXP Learning and Conditioning (EXP) (1.25) (LSL)** An introduction to the principles of learning and conditioning in both humans and animals. Topics include Pavlovian (classical) conditioning, operant conditioning, and applied behavior analysis. Laboratory work includes conditioning of animal subjects. *Offered annually.*

**212 Perception and Cognition** Overview of perceptual and cognitive psychology. Topics include perception, attention, memory, mental representations, concepts, knowledge, language, problem solving, and decision-making. Students participate in computer-based experiments designed on classics in the field of human perception and cognition. Prerequisite: PSYC100. *Offered each semester.*

**213 Behavioral Neuroscience (Cross-listed with NEUR 213)** An introduction to the structure and function of the neuron, basic neuro-chemistry, neural substrates involved in learning and memory, behavioral disorders, neurodegenerative diseases, and social behavior in humans and animals. *Offered annually.*

**227 Statistics** An introduction to statistical procedures in psychology, with the goal of integrating statistical theory with statistical applications. Topics may include basic measurement, probability, measures of central tendency and variability, correlation, regression, hypothesis testing, the t-test, analysis of variance, and non-parametric techniques. Students may not receive credit toward graduation for both this course and ECON 227. *Offered each semester.*

**251 Abnormal Psychology (LSI)** The etiology, assessment, and treatment of patterns of deviant behavior. Emphasis is placed on recent experimental and clinical findings. 100 recommended. *Offered each semester.*

**253 Lifespan Developmental Psychology** Using current theoretical and empirical work, Lifespan Developmental Psychology offers a comprehensive overview of human development from womb to tomb. Topics include the biological, psychological (i.e., cognitive and emotional), and social forces that drive and shape development, and the dynamic impact of context and culture on these processes. Prerequisite: PSYC 100 or BIOL 107 or NEUR 110. *Offered each spring.*

**259 Social Psychology** Understanding the individual in a social context. Topics include attitudes, social cognition, stereotypes, aggression, communication, influence, attraction and intimacy, and the application of psychology to social problems. *Offered annually.*

**270/370 Special Topics in Psychology** Courses addressing topics of special interest in psychology. See current *Program of Classes* to determine if this course fulfills general education requirements or has any prerequisites. *Offered annually.*

**300 Research Methods in Psychology (W)** Design, analysis and reporting of psychological research. Prerequisites: 227, and one of the following: PSYC 100, 211, 212, 213, 251, 252, 253 or 259. *Offered each semester.*

**311 Foundations of Learning (Cross-listed with NEUR 311)** Examination of learning, conditioning, and underlying mechanisms through discussion and evaluation of primary sources. Topics include modern theories of classical conditioning, consolidation and reconsolidation, and extinction. Prerequisites: NEUR 110 or BIOL 102/108 or consent of instructor. *Offered in alternate years.*

**313 EXP Advanced Behavioral Neuroscience (EXP) (1.25) (W) (Cross-listed with NEUR 313)** Neural mechanisms of behavior in animals, investigated through laboratory demonstrations and student-conducted experiments. Prerequisite: PSYC 213 or consent of instructor. *Offered each spring.*

**314 Advanced Human Neuroscience (Cross-listed with NEUR 314)** This course surveys the theory and practice of using recordings of the brain's electrical activity to study cognition and behavior. It explores what brain activity reveals about normal and abnormal perception, attention, decision-making, memory, response preparation, social behavior, and language comprehension. Prerequisites: PSYC 213 *Offered every fall.*

**316 Neuropsychopharmacology (Cross-listed with NEUR 316)** Principles of drug action and their effects on human behavior. Prerequisite: BIOL 101 or 107 or NEUR 110. PSYC 213 recommended. *Offered in alternate years.*

**321 Brain Injury and Recovery (Cross-listed with NEUR 321) (W)** Mechanisms of neuroplasticity following injury and the consequent impact on behavioral recovery, investigated through an in-depth study of basic and clinical research. Topics include mechanisms of cell death and survival, spontaneous recovery and rehabilitation with a focus on stroke, traumatic brain injury, and spinal cord injury. Prerequisites: NEUR 110 or BIOL 102/108 or consent of instructor. *Offered in alternate years.*

**329 Special Topics in Behavioral and Cognitive Psychology and Neuroscience (Cross-listed with NEUR 329)** Courses addressing topics of special interest in the more traditional experimental areas of Psychology (e.g. behavioral psychology, cognitive

psychology, behavioral neuroscience). See current *Program of Classes* to determine if this course fulfills General Education requirements.

**330 History and Systems of Psychology (IT)** A study of the historical, philosophical, and conceptual foundations of contemporary psychology. The course will trace “history of ideas” from early Greek philosophy to modern psychology, with particular emphasis on the Darwinian revolution. Prerequisite: two courses in psychology or consent of the instructor. *Offered in alternate years.*

**353 EXP Mental Health and Aging (EXP)** This service learning course explores basic issues relating to the mental health of elders, critically examining both pathological aging (i.e., assessment, diagnosis, and treatment) and resiliency (e.g., social support, personality, and stress). Throughout the semester, we’ll explore linkages between the scientific literature and students’ experiences from volunteering with community elders. *Offered annually.*

**354 EXP Identity, Social Justice, and Psychology (U)** Identity, Social Justice, and Psychology is a service-learning course examining various aspects of identity development through the lens of physical disability, race relations, and migration. We consider how, when full human development is hindered by conditions of discrimination and injustice, associated costs to identity accrue not just for the oppressed, but for those participating in oppression, even indirectly. *Offered each fall semester.*

**355 EXP Psychology & the Environment (EXP) (1.25) (Cross-listed with ENST 355)** Students will apply psychological science to better understand (a) how humans impact the environment and (b) how the environment influences human well-being. To contextualize this work, students learn about several major environmental issues. Students conduct original research studies in the course laboratory. Prerequisites: PSYC 100 and 227 or 300, or permission of instructor. *Offered occasionally.*

**356 Psychology of Gender (U)** An exploration of psychological perspectives on gender with a particular emphasis on culture, race, social class, and psychological development. Topics include sex and gender, biological bases of gender, sexuality, gender identity and implications for researchers and practitioners. Prerequisites: PSYC 100. *Offered annually.*

**358 Psychology of Motivation** A survey of topics in motivation and emotion. This course will guide you through critical thinking in the field of motivation, as seen through a psychological lens. As it would not be possible to cover the entire field of motivation in one semester, this course will focus on the theories, ideas, and perspectives of motivation that are of particular interest in the discipline of psychology. *Offered occasionally.*

**359 Crime and the Justice System: A Social Psychology Perspective (W)** An exploration of topics related to the criminal justice system with a focus on areas such as eyewitness memory, jury behavior, causes of aggression, the reliability of profiling, etc. Particular emphasis will be placed on how some of these factors may lead to the conviction of innocent people. *Offered annually.*

**361 Introduction to Clinical Psychology:** This course reviews the profession of clinical psychology and the major psychotherapeutic including their development and application. In addition to theories, we learn about ethical considerations, current issues, and controversies. Topics include evidence-based treatment, prescriptive authority, and our evolving understanding of mental health. Prerequisites: PSYC 251 or permission of the instructor. *Offered annually.*

**368 Helping Skills** Course content emphasizes the stages and skills of the helping process, especially with respect to relevant theory, ethical guidelines, research, and issues in diversity. Students will work on developing interaction skills important in many helping professions (e.g., counseling, medicine, human resources). Emphasis is on both academic and experiential learning. Prerequisites: PSYC 100 and 251, or permission of the instructor. *Offered occasionally.*

**369 Special Topics in Clinical, Developmental and Social Psychology** Courses addressing topics of special interest in the more applied areas of Psychology (e.g. clinical, social and developmental psychology). See current *Program of Classes* to determine if this course fulfills General Education requirements.

**377 Applied Data Analysis** This course further develops the programming, mathematical, and statistical skills required for the application of data science tools to data analysis, data visualization, and decision making. This course includes a methodology/writing component in which students develop a draft research proposal for a capstone project. Prerequisites: CS/DS 125, CS 126, or CS 127; CS/MATH 136; BIOL 323, ECON 227, MATH 141, MATH 325, or PSYC 227. *Offered every other year.*

**380 Sports and Exercise Psychology** This course examines a wide variety of topics in sport and exercise psychology by investigating how psychological factors influence participation and performance in sports and exercise and how, in turn, participation in sports and exercise affects the psychological makeup of an individual. *Offered each spring.*

**395 Directed Study** Individualized directed readings on a topic of interest to the student which is not normally a part of the curriculum, resulting in the preparation of a significant paper. Prerequisite: Consent of department chair. (1/2 or 1 unit) *Offered each semester.*

**397 EXP Internship (EXP)** Supervised experiential learning in psychology. Students intern at a variety of sites, such as mental health, educational, social services, medical, and correctional agencies. A written project is required. Prerequisites: Three courses in psychology, declared psychology major or minor, and/or consent of department internship coordinator. *Offered each semester.*

**399 Research Internship** Experimental or theoretical examination of a topic of interest to the student and cooperating faculty member. A significant paper detailing the findings of the investigation is expected at the conclusion of the work. Prerequisite: Consent of department chair. (1/2 or 1 unit) *Offered each semester.*

**400 Directed Research** Independent research in collaboration with a faculty member. This course will provide students with research experience. Students will prepare a thesis proposal; the proposed research will be completed in 401. Prerequisites: psychology 300, at least five courses at the 200 level or higher, and approval of a thesis supervisor and the department chair. *Offered each fall.*

**401 EXP Thesis in Psychology (EXP) (W)** Independent research conducted in collaboration with a faculty member. This course will provide students with research experience that will provide a foundation for graduate study. Students will complete and defend a thesis. Prerequisite: PSYC 400. *Offered each spring.*

**497 Internship with Directed Study** Supervised experiential learning designed to help students integrate scholarly understanding with field experiences. Internships may be completed in mental health, social service, educational, correctional, research or other settings. In addition to on-site work, students will keep a journal, attend a bi-weekly seminar, and complete a major academic project. Prerequisites: Psychology 300, major or minor in psychology, and advance approval of the department internship coordinator. *Offered each semester.*

## PUBLIC HEALTH

*See Health*

## RELIGIOUS STUDIES COURSES

The academic study of religion offers an interdisciplinary approach to the ways in which human thought, values, ceremonies, literature, architecture, art, community, and politics are woven into a cultural and religious fabric. Our



courses explore the religious traditions of Asia, the Middle East, Africa, the Americas, and Europe. We expect students to engage in critical and constructive thinking, to develop their reading, writing, and speaking skills, and to expand their aesthetic awareness.

**106 Women, Religion, and Spirituality (CSI, G)** A rediscovery of women's religious activities and women-centered spirituality in a variety of cultural and religious settings, ranging from ancient to contemporary traditions, and from local to world religions. Includes cross-cultural comparisons of women's writings about their encounters with the sacred. *Offered in alternate years.*

**110 Religions of the World (CSI, G)** An introduction to the variety of religious traditions and communities throughout the world, emphasizing their contemporary cultural and social contexts. Included for study will be the beliefs and practices of the world religions as well as the religions of indigenous peoples. *Offered in alternate years.*

**120 Introduction to Biblical Studies (IT)** Focuses on understanding the historical, cultural and religious traditions within the biblical narratives, the process of the canonization of the biblical texts, and the variety of methods of interpretation used to study the biblical materials. *Offered annually.*

**170 Special Topics** Introductory study of selected topics in textual studies, contemporary religious thought, or the history of religions. May be repeated if subject matter is different. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*

**210 Greek Myth and the Hero (IT)** In our society, "myth" is often perceived as "storytelling" that has an element of falsehood built into it. For archaic Greek society, like many traditional societies that operate on ancestral principles, myths are the ultimate way of encoding truth values. Storytelling, therefore, is not just entertainment; it is a set of patterns set up by a specific society that gives the members of the culture a sense of their own identity. In this course we will begin to understand how the storytelling traditions of Greece established social order and define what it means to be truly civilized. *Offered annually.*

**242 Philosophers Read the Bible (IT, W) (Cross-listed with PHIL 242)** Philosophers have long been avid readers of the Bible, frequently debating questions of authority and meaning regarding text. In this class, we will grapple with philosophical debates over the meanings of specific passages of the Bible as well as explore disputes over such topics as revelation and prophecy. *Offered in alternate years.*

**246 Who is (not) a Jew? (IT)** The institution of 'Jewishness' has carried with it significant religious, ethnic and social connotations. In this course we will examine representations of Jews in countries where Jews are the minorities (especially in predominantly Christian countries) by exploring both how Jews conceive of themselves in regard to non-Jews, and how non-Jews understand themselves with regard to Jews. *Offered occasionally.*

**270 Special Topics** Intermediate study of selected topics in textual studies, contemporary religious thought, or the history of religions. May be repeated if subject matter is different. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*

**296 What is Religion? (IT, W) (Cross-listed with PHIL 296)** This course introduces students to the academic study of religion by exploring major questions such as: What is religion? Is it universal? What religions all have in common? How can we best study this phenomenon? Can someone understand a religion of which they are not a member? In this course, we will examine the ways scholars study different religious traditions and we will explore disagreements and controversies. *Offered in alternate years.*

- 310 Cults in America (CSI, U) (Cross-listed with HIST 310)** A critical investigation of so-called “cults,” New Religious Movements, sects, and alternative spirituality formed over the past 150 years in the United States. Includes study of a wide range of phenomena, from millenarian groups to the New Age, and their purpose and place in contemporary society. *Offered in alternate years.*
- 318 Blood Rites and Mystery Cults (CHC) (Cross-listed with HIST 318)** Ancient Roman religion was uniquely open to foreign influence while respecting its own customs. This course will examine how the Roman people demonstrated this quality as they adopted or adapted new religious ideas and traditions from the beginnings of the Roman monarchy in 753 BCE to the fifth century CE. *Offered occasionally.*
- 325 Lost Books of the Bible (IT, W)** This course examines writings from antiquity that were omitted from the Bible such as the Dead Sea Scrolls, The Book of Enoch, and the Gospel of Thomas and considers the complex reasons why these writings were omitted and what they might mean for us today. *Offered in alternate years.*
- 341 Religious Tolerance and Pluralism (AV) (Cross-listed with PHIL 341)** In the contemporary world, religious differences are a major cause of conflict. How are we to contend with these differences? This class debates various arguments about tolerance and pluralism such as whether or not Jews and Christians are morally obligated to adapt their religious world-views to these principles. *Offered in alternate years.*
- 342 Judaism through the Ages (IT, W) (Cross-listed with PHIL 342)** A survey of the varied nature of Judaism focusing on history, theology, philosophy, and politics. Subjects covered will include the Hebrew Bible, Second Temple Judaism, Rabbinic theology, Maimonides, the Haskala (Jewish Enlightenment), Hasidism, Zionism, and the diversity of contemporary Judaism. *Offered in alternate years.*
- 343 American Jewish Thought (IT) (Cross-listed with PHIL 343)** How have developments in history, philosophy, science and especially the multicultural nature of society in the twentieth and twenty-first century US, shaped Jewish self-understanding? Of particular interest are the contested issues of Chosenness, the meaning of God, ethnicity, and religious observance.
- 370 Advanced Topics in Religion** Investigation of selected topics in textual studies, contemporary religious thought, or the history of religions intended for more advanced students and students with previous study in religion. May be repeated if subject matter is different. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*
- 397 Internship in Religion** Students may arrange internships on an individual basis in areas related to religious and social agencies. May be repeated in a different area for a maximum of two units. Prerequisite: Two other courses in religion or consent. Will not satisfy University general education requirement. *Offered each semester.*
- 450 Independent Study** Designed to allow students to develop individual interests. Prerequisite: one course in religion and consent of instructor. May be repeated if subject matter is different. *Offered each semester.*
- 490 Senior Seminar in Religion** Arranged in consultation with individual members of the Religion Department. Student will select a topic and conduct research toward a substantial paper while participating in a guided study of methods in religion. Prerequisites: senior standing, Religion majors only. *Offered each fall.*
- 491 Senior Honors Research Project** Arranged in consultation with individual members of the Religion Department. Continuation of research conducted in Religion 490, emphasizing original research and leading to the completion of a research honors project. Prerequisites: 490, Research Honors candidacy. *Offered each spring.*

## **SOCIAL SCIENCES**

At Illinois Wesleyan, the social sciences include educational studies, history, political science, and sociology.

Students seeking teacher certification in social studies through the secondary educational studies program should contact either the chair of the history department or the coordinator of teacher education.

In addition, there are specific courses of an interdisciplinary nature, or capable of interdisciplinary application, which are offered for the benefit of students in all fields.

## **SOCIOLOGY**

*Fuist, Irby, Staros*

Sociology is the study of society. Using sophisticated research methods, we study groups, institutions, beliefs, and experiences to understand how societies work. Some of the topics we're interested in include race, gender, crime, sexuality, families, youth, and politics. Students are often attracted to sociology because of a passion for social justice, a desire to understand different groups or cultures, or a need to understand organizations or institutions.

Students may declare a major in sociology as late as the spring semester of their junior year, although special interests and needs may be accommodated through the advising process. To broaden their educational opportunities, students are encouraged to develop a minor field, to study abroad, or to participate in an internship.

Sociologists are social scientists who learn a variety of research methods to gather and analyze data about society. Sociology students learn about culture, diversity, inequality, and justice, preparing them to navigate a diverse society. Classes on specific topics, such as crime, the media, and the family, also provide students with valuable knowledge about important topics in society. Additionally, critical thinking, effective communication, and writing skills are forefront in the discipline, and these skills are highly sought after by employers in diverse fields. Through internships, an important part of our program, our majors receive practical work experience and insight leading to numerous career choices, while earning college credit.

### ***Major Sequence in Sociology:***

A minimum of ten courses in sociology to include:

- 1) Sociology 225, 290, 325\*, and 490\*\*\*; and
- 2) Six additional course units, at least three at the 300-level.

Sociology majors must earn at least a C- in SOC 225 (methods) and SOC 325 (advanced methods) to demonstrate proficiency in the skills needed to complete independent sociological research and register for SOC 490 (senior seminar).

\*Sociology majors, in consultation with their advisor, may elect to take a non-sociology course that includes the development of significant social scientific research skills (e.g., GIS, statistics in social science fields, an independent study with this work as its primary focus) in place of the advanced sociological

research method requirement for the major. Consultation with and approval from the Department Chair is required.

\*\*\*The prerequisite for registering for SOC 490 is earning at least a C- in both SOC 225 and SOC 325 (or its approved equivalent), as approved by the Department Chair. Majors must take SOC 225 prior to SOC 325, and both prior to SOC 490.

### ***Minor Sequence in Sociology:***

A minimum of six courses in sociology to include:

- 1) SOC 225, and 290; and
- 2) four additional courses, at least two at the 300-level.

### **Pre-Professional Opportunities**

Sociology offers a good foundation for graduate and professional degrees and for careers in social service, criminal justice, and community organizations. Working closely with their faculty advisor, students develop a course of study, including related minors, which best fits their interests and aspirations.

To support career goals in the following areas, sociology majors/minors can take:

- 1) Law and Criminal Justice: Criminology (SOC 328), Social Problems (SOC 201), Youth Subcultures (SOC 333), and Race and Racism (SOC 230).
- 2) Social Justice/Advocacy: Race and Racism (SOC 230), Sex and Gender in Society (SOC 222), Intersectionality (SOC 345), Sociology of Sexualities (SOC 380), Social Movements and Politics in the US (SOC 340), and Environmental Sociology (SOC 367).
- 3) Marketing and Organizational Research: Race and Racism (SOC 230), Sex and Gender in Society (SOC 222), Media and Popular Culture (SOC 250), Youth Subcultures (SOC 333), and additional methodologies courses (e.g. SOC 2/370 Field Work Experience and SOC 325 Advanced Research Methods).
- 4) Social Work/Not for Profit: The Profession of Social Work (SOC 240), Social Welfare and Human Services (SOC 362), Social Problem (SOC 201), Action Research Seminar (SOC 395), Grant Writing (SOC 398), Marriage and Family (SOC 311), and Sociology of the Life Course (SOC 260).
- 5) Student Affairs: Race and Racism (SOC 230), Sex and Gender in Society (SOC 222), Sociology of the Life Course (SOC 260), Youth Subcultures (SOC 333), Social Movements and Politics in the US (SOC 340), Intersectionality (SOC 345), and Sociology of Sexualities (SOC 380).

For additional information, consult the Sociology program's web page at [www.iwu.edu/sociology](http://www.iwu.edu/sociology).

### ***Minor in Criminology***

*Fuist, Irby, Perera, Vicary*

Criminology is the social scientific study of crime and the criminal justice system. As a field, criminology examines a broad array of issues related to crime and criminal justice, including but not limited to policing, crime rates, criminal organizations, and the social construction of crime and deviance. The criminology minor at IWU is unique in that it provides an interdisciplinary framework, grounded in the social sciences but also engaging the natural sciences

and humanities, which focuses on developing knowledge in students about the workings of the criminal justice system, an understanding of inequality with regard to the law, and the skills needed to study crime. IWU's criminology minor is a way for students interested in a future working in criminal justice, advocacy, law, or research to complement their primary major with a focus on knowledge and skills related to crime. The course selection is designed to advance the University's mission of social justice by preparing students to confront serious challenges relating to inequality within the criminal justice system in our society, while also helping students to become informed citizens and providing a wide array of skills and competencies for diverse career paths.

Students completing a minor in criminology will complete a total of six (6) courses. The core of the minor consists of a series of four (4) courses taken by all students. The four core courses together provide an interdisciplinary foundation on the topic for any student interested in criminology. Sociology 328 and Psychology 359 provide broad overviews of the field from their respective disciplines. Chemistry 120 and the selected methods class, on the other hand, allow students to practice job-relevant, hands-on research applicable to a variety of career paths in criminology. Together, these four courses provide students with a synthesis of theory, empirical research, and methods, to help them both better understand, as well as study, crime and the criminal justice system.

In addition to the four-course core sequence, students will take two (2) elective courses. These courses have been selected to allow students to round out their criminology minor with classes that focus on their specific areas of interest. Students interested in the legal system, for example, may choose to take Business 349 and a Philosophy class on the law. Conversely, students interested in inequality in the criminal justice system may wish to take some of the listed sociology classes which focus on understanding inequality and diversity within society. Thus, students can complement their major or bolster their preparation for their future career with their selection of criminology electives.

The required courses for the Criminology minor include:

- 1) SOC 328: Criminology
- 2) PSYC 359: Crime and the Justice System: A Social Psychology Perspective
- 3) CHEM 120: Forensic Chemistry
- 4) A methods class, selecting from the following:  
SOC 225: Methods of Social Research  
PSYC 227: Statistics  
ENST 200: Introduction to Geographic Information Systems (GIS)
- 5) Two (2) courses from the following: BUS 349, PHIL 205, PHIL 305, PSYC 251, PSCI 105; SOC 201, SOC 230, SOC 345, SOC 270/370 (by permission of the chair).

**101 Introductory Sociology (CSI)** Invites students to use basic sociological concepts and research methods to analyze patterns of behavior and beliefs in contemporary social institutions such as the family, education, religion, mass media and work. *Offered each semester.*

**201 Social Problems (AV)** Course explores how social problems are socially constructed by asking what gets labeled as a problem, who gets to label something, how groups mobilize around what people consider problematic, and about the role of social policies in this process. *Offered in alternate years.*

**202 Engagement and the City (Cross-Listed PSCI 202)** An introduction to the challenges of contemporary citizenship, the course teaches the students the basic skills of action research. Students work in teams on projects with community partner. Students learn to conduct stakeholder analyses, locate communities in the context of power and social capital, complete “best practice” studies, and create and implement action plans. *Offered in alternate years.*

**222 Sex and Gender in Society (CSI, U)** Explores the social organization of sex and gender in American society by investigating the cultural construction of masculinity and femininity, processes of socialization, and how gender structures other social institutions. *Offered annually.*

**225 Methods of Social Research** Introduction to basic theory and methods of research, data collection, and analysis in the social sciences. The course will provide students with hands-on experiences with key sociological methods, such as survey design, content analysis, interviewing and focus groups, and ethnography. Students will leave the course with their own research proposal. *Offered each spring.*

**230 Race and Racism (CSI, U)** Examines how racial categories are socially constructed and the impact of race in society – including the relative salience of race and ethnicity. This includes how racism is practiced historically, institutionally, ideologically, and interpersonally, and the intersections between race and other social identities. Emphasis is added on social justice efforts and antiracism. *Offered annually.*

**240 The Profession of Social Work (AV)** Examines the norms and practices of the social work profession from a sociological perspective. Includes such topics as the history, functions, and current status of the profession; professional training; methods and programs of clinical intervention in the United States; and issues of professional ethics. Field experience acquired through field trips and volunteer opportunities. *Offered each fall.*

**250 Media and Popular Culture (CSI)** Explores different perspectives for understanding media and popular culture in society. Students will examine the news, representation of different groups in popular culture, social media, and how media consumption shapes social identities. *Offered in alternate years.*

**260 Sociology of the Life Course** From childhood and adolescence to middle-age and our elderly years, how we age is shaped by norms and social institutions. This class explores processes of human development from the perspective of sociological theories of the self, the life course, and aging. *Offered in alternate years.*

**270 Special Topics** Selected topics in sociology open to students of all majors, particularly sophomores and juniors. May be repeated for credit if content is not duplicated. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered as needed.*

**277/377 Travel and Fieldwork in Sociology** Guided explorations of places, groups, and cultures beyond Bloomington-Normal. Itinerary, readings, and assignments vary from semester to semester. See *Program of Classes* for specific course descriptions and general education designations. May be repeated for credit if the topic does not duplicate. Prerequisite: At least one course in Sociology or consent of instructor. *Offered occasionally in May.*

**290 History of Social Thought (IT, W)** A study of social philosophy and sociological theory from the Enlightenment to the present, including such figures as Karl Marx, Max Weber, and Emile Durkheim. Emphasizes the biographical, historical, and intellectual contexts of their ideas. Prerequisite: Gateway 100. *Offered each semester.*

**300 Sociology Research Experience (.25)** Supervised research experience working with faculty to gain additional experience with empirical research projects. May be repeated up to 4 times for up to one full unit. Approval of department chair is required, through SOC 225 is preferred as preparation. Offered only as faculty projects are available. Credit/No credit. *Offered by arrangement.*

- 305 Medical Sociology (IT)** Examines social and environmental determinants of health, as well as issues of power and inequality as they relate to health and well-being. Topics include medicalization; cultural and social meanings of, and experiences with, health and illness; the social context of medical practices and professions; and health-related social change. *Offered in alternate years.*
- 311 Marriage and Family (CHC, U)** To understand how contemporary family life encompasses a wide variety of living arrangements and social relationships, this course explores how marriage and family life have changed in the past and how they are continuing to change. Topics include union formation, parenting, family policies, and work-family negotiations. *Offered in alternate years.*
- 325 Advanced Sociological Methods** Students move from their research proposal, developed in SOC 225, to collecting and analyzing data using their chosen research method. The development of marketable research skills is emphasized. Prerequisite: SOC 225 at a C- or better. *Offered each fall.*
- 328 Criminology (CSI)** A systematic analysis of the nature, causes, and prevention of crime, and the treatment of the criminal. *Offered in alternate years.*
- 333 Youth Subcultures (CHC)** Course explores subcultures, such as punk, hip-hop, heavy metal, and science fiction fandom, focusing on social trends that give rise to them and how they shape the lives of participants. Students learn the social histories, cultural codes, aesthetics, and ideologies of these subcultures, and connect their development to wider social changes. *Offered in alternate years.*
- 340 Social Movements and Politics in the US (CHC, U)** Considering both classical and contemporary work on social movements and politics, this course traces the development of sociological theories on collective action and civic engagement. Focusing on both macro-level trends and micro-level identity construction, the course examines US politics through historically significant movements such as feminism, environmentalism, and LGBT rights. *Offered alternate years.*
- 345 Intersectionality (IT, U)** Seminar course examining the theoretical and methodological framework of intersectionality, and how multiple forms of inequality shape social identities, interactions, power relations in institutions, and movements for social justice. *Offered in alternate years.*
- 350 Emotions and Society (AV, US)** Emotions appear individualistic but social norms and institutions shape what people feel, when they feel, and how they express their feelings. By examining the social organization of emotions, the course deconstructs how one ought to feel and considers what inappropriate feeling reveals about systems of power and inequality. *Offered occasionally.*
- 362 Social Welfare and Human Services** Examines and evaluates social welfare institutions and organizations, emphasizing contemporary policy issues and social problems and practices. Recommended for students interested in the human services professions and students considering pursuit of the masters in social work. Field experience acquired. *Offered each spring.*
- 367 Environmental Sociology (Cross-listed with ENST 367)** Course considers the complex intersection between humans and nature by offering an examination of sociological perspectives on the environment. Students will deepen their environmental knowledge on topics including: environmental inequalities, the treadmill of production, environmental impact on identity construction, and the role of social movements in the development of policies. *Offered in alternate years.*
- 370 Special Topics** Specially-designed courses of a topical nature intended for juniors and seniors. May be repeated for credit if content is not duplicated. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered as needed.*

**377/277 Travel and Fieldwork in Sociology** Guided explorations of places, groups, and cultures beyond Bloomington-Normal. Itinerary, readings, and assignments vary from semester to semester. See *Program of Classes* for specific course descriptions and general education designations. May be repeated for credit if the topic does not duplicate. Prerequisite: At least one course in Sociology or consent of instructor. *Offered occasionally in May.*

**380 Sex and Sexualities (CHC, U)** To understand the changing meaning and understanding of sexuality, the course examines the history of how Americans' sexual identities and behaviors have evolved over generations, along with the dynamic ways that sexual norms and expectations shift over the life course. *Offered in alternate years.*

**395 Action Research Seminar (Cross-listed with PSCI 395)** This seminar bridges theory and applied research in community action. The course introduces the student as scholar-citizen to the multiple ways of seeking information on communities and examining community issues. On teams with community partners and faculty, students develop action plans and implement research projects. Open to second year students and above. *Offered as needed.*

**397 Internship** Directed research and work in a social agency, business or government bureau. Prerequisites: Junior or senior standing and approval of the Sociology and Anthropology Department. See Career Center for preliminary details and internship forms. *Offered each semester.*

**398 Grant Writing (Cross-listed with PSCI 398) (W)** Grants are a funding challenge and opportunity for non-profits. Successful grants must construct a compelling argument and align with funder priorities. Students partner with community leaders to complete applications in support of actual programs. This course does not count toward the major or minor in Sociology or Political Science. Recommended prerequisite: PSCI 395. Prerequisite: Sophomore standing and above. *Offered as needed.*

**450 Independent Study** Individual study in an area of special interest. Student must devise a plan of study in cooperation with instructor. Limit: two units of credit. Prerequisite: Junior or senior standing. *Offered each semester.*

**490 Senior Seminar (W)** Students will complete necessary revisions to their senior projects, and enhance their capacity to utilize sociological skills and concepts by examining contemporary developments in the field. Career relevance is emphasized. Prerequisites: SOC 225 and SOC 325, at a C- or above in each. *Offered each spring.*

## SPANISH

See Hispanic Studies in World Languages, Literatures, and Cultures

## THEATRE ARTS

Kerr, Gibbs, Loitz, Quinn, Susong, Trout, and adjuncts

Within the liberal arts tradition of Illinois Wesleyan University, the School of Theatre Arts strives to create an environment conducive to the development of theatre artists, scholars and audiences. Theatre Arts majors, whether enrolled in the pre-professional training programs (Bachelor of Fine Arts) or the traditional liberal arts program (Bachelor of Arts), are urged to strengthen their understanding of the complex world they live in while they develop and sharpen their skills as theatre artists and scholars. Close interaction with fellow students and faculty helps to foster this development.



## **Curricular Programs**

The School of Theatre Arts offers three preprofessional Bachelor of Fine Arts degrees: the BFA in Acting; the BFA in Theatre Design and Technology; and the BFA in Music Theatre. These specialized degree programs are designed for those students who aspire to a professional career in theatre.

All students applying for admission to any of the BFA degrees must meet University academic standards and present either an audition or design portfolio to the faculty in the School of Theatre Arts. For specific audition requirements, contact the School of Theatre Arts Recruiting Office or the Office of Admissions.

Both the Bachelor of Arts and the Bachelor of Fine Arts degrees are anchored in a broad liberal arts background with a core of foundation courses in theatre arts in addition to the general education courses required by the University. The BA program provides the student with creative experiences and academic training through classroom and laboratory course of study with studio and performance experiences available. This degree program is particularly suited to the student who wishes to declare a second academic major or who has a strong interest in more than one aspect of theatre.

Current students must undergo an interview with the Director of Theatre Arts before declaring a theatre major or minor. No audition is required for acceptance to the Bachelor of Arts degree program.

## **Production Program**

The production program features two components:

The Jerome Mirza Theatre bill consists of four or five productions normally directed and designed by the faculty or guest artists. These productions provide a professional showcase for student and faculty work.

The E. Melba Johnson Kirkpatrick Laboratory Season, which may include one faculty directed show, is primarily devoted to productions directed and designed by advanced students. Positions in this program are awarded on a competitive basis.

Additional performance opportunities are available through the student organized Phoenix Theatre season, the annual student choreographed dance concert, Music Theatre Society, Shringara, Quickies & Jm7\*

Performances in the Main Stage and Lab Theatre seasons are limited to students at sophomore standing and above.

## **Facilities**

Classroom, laboratory, studio and performance facilities which are available to the School of Theatre Arts include Jerome Mirza Theatre, the E. Melba Johnson Kirkpatrick Laboratory Theatre, the upper floor of the Carriage House, the Phoenix Theatre, two dance studios housed in the basement of the Center for Natural Science and studio and rehearsal rooms located in Shaw Hall.

## **Degree Requirements**

### ***Major Sequence in Theatre Arts:***

A minimum of 10 course units in theatre arts to include:

A. THEA 105Y and/or THEA 106Y (11 enrollments)

B. THEA 141, 188, 220, 241, 355, 371, 372, 441

C. One from the following: THEA 219, 221, 288\*

D. Two from the following: THEA 110, 112 114

\*Students interested in design are encouraged to take upper level design courses.

***Minor Sequence in Theatre Arts:***

A minimum of seven course units to include:

A. THEA 102

B. THEA 241

C. THEA 220

D. One of the following: THEA 110 or THEA 112 or THEA 114

E. 6 enrollments in: THEA 105Y and/or 106Y

F. 3 electives in Theatre Arts, 2 of which must be at the upper level

Students interested in declaring a minor in Theatre Arts must arrange an appointment with the Director of Theatre at the earliest convenience.

***Minor Sequence in Film:***

A minimum of 7 units, of which at least three are upper division, to include:

1. FLM 110: Film Aesthetics

2. FLM 320: Film Theory

3. FLM 330: Digital Videography

4. Four courses from:

(Courses that are not listed below, but are appropriate and available may be considered for inclusion by the Director of the School of Theatre Arts. Existing prerequisites for all courses must be satisfied.)

ANTH 380: Visual Ethnographic Methods

ART 240: Digital Photography

FLM 431: Directed Study: Video Production

FLM 432: Independent Study: Advanced Film Studies Project

HIST 154: Film and History, US

HIST 305: Seminar in Asian History

MUS 113: Audio Recording Techniques

LC 116: German Post-War Cinema

LC 260: Italian Cinema

LC 320: French Cinema

THEA 114: Introductions to Lighting and Sound Technology (Course offered with variable credit. Film Studies Minors must register for 1 full unit).

THEA 225: Drawing for the Theatre

THEA 314: Lighting Dynamics

THEA 342: Screenwriting

***Minor Sequence in Theatre Arts Design & Technology:***

A minimum of 6.5 units to include:

1) Five enrollments in either: THEA 105Y or 106Y (0) (waived for Theatre Arts majors)

2) Choose one of the following:

THEA 110 (.5)

THEA 112 (.5)

THEA 114 (.5)

- 3) THEA 220 (THEA 221, 115, or 310 may be substituted if THEA 220 has been previously taken.)
- 4) One course from: THEA 421, 422, 423, 424
- 5) Four courses from: THEA 115, 272, 310, 311, 312, 313, 314, 318, 377, 378, 392 (one must be at the upper level)

Students interested in declaring a minor in Theatre Arts Design & Technology should arrange an appointment with the Director of the School of Theatre Arts at the earliest convenience. The minor is open to all students including BFA Acting, BFA Music Theatre, and BA Theatre Arts majors.

**1) Bachelor of Fine Arts in Acting:** 21 units required for the major to include:

- A. THEA 105Y and/or 106Y (11 enrollments)
- B. Two from the following: THEA 110, 112, 114
- C. THEA 180, 181, 184, 185, 220, 241, 280, 284, 371, 372, 380, 383, 384, 385, 481, 483, 484
- D. Four additional upper-division units in Theatre Arts or Music Theatre
- E. One unit from the following: ENGL 170 or 370 (when content is focused on dramatic literature), ENGL 393, or LC 377 (when content is focused on dramatic literature)
- F. Adherence to all policies and procedures outlined in the *School of Theatre Arts Handbook*.

**2) Bachelor of Fine Arts in Theatre Design and Technology:** 20 units required for the major to include:

- A. THEA 105Y and/or 106Y (11 enrollments)
- B. THEA 110, 112, 114, 220, 225, 241, 310
- C. THEA 188 or 102
- D. One from the following: THEA 371 or 372
- E. One from the following: THEA 377 or 378
- F. Three from the following: THEA 421, 422, 423, or 424
- G. Two from the following: THEA 392 490, or 491
- H. Four from the following: THEA 311, 312, 313, 317, 318, 319, or 392
- I. Two additional from the following: THEA 211, 219, 221, 290, 392, 396, 421, 422, 423, 424, 490, 491, 496, or 499

**3) Bachelor of Fine Arts in Music Theatre:** 22.25 course units required for the major to include:

- A. Nine and one half units in Theatre/Music Theatre to include (9.5): THEA 105X and THEA 106X (Theatre Lab {11 enrollments required, spread across 8 semesters} for graduation using X enrollment), THEA 180, THEA 181, THEA 185, THEA 211, THEA 241, THEA 280, MUTH 374, MUTH 383, THEA 384, MUTH 483, THEA 484
- B. One of the following (.5 units): THEA 110, THEA 112, THEA 114
- C. One course unit from the following (1 unit): THEA 380, THEA 381, THEA 383, THEA 482, THEA 483
- D. One course unit from the following (1 unit): THEA 371, THEA 372
- E. Five and one quarter units of Music/Music Theatre to include (5.25 units): MUS 23/23X or MUS 26/26X, MUTH 160, MUTH 160X, MUTH 161, MUTH 161X, MUTH 162, MUTH 163, MUTH 262, MUTH 263,

MUTH 362, MUTH 363, MUTH 462, MUTH 463

F. Three units of Music Theatre Dance (14 enrollments required across 8 semesters) for graduation using a combination of PECY, PECX, and MUTH enrollments) based on instructor's placement (3 units): PEC 140Y, MUTH 132/PEC 142X, MUTH 133/PEC 143X, MUTH 134/PEC 144X, MUTH 135/PEC 145X, MUTH 232/PEC 232X, MUTH 233/PEC 233X, MUTH 234/PEC 234X, MUTH 235/PEC 235X, MUTH 331, MUTH 332/PEC 332X, MUTH 333/PEC 333X, MUTH 334/PEC 334X, MUTH 335/PEC 335X, MUTH 435

G. Two additional upper level units from the following Music Theatre/Theatre/Music (prerequisite courses may be needed) courses (2 units): MUTH 336, MUTH 337, THEA 341, MUS 351, THEA 355, THEA 376, THEA 377, THEA 378, THEA 380, THEA 381, THEA 383, THEA 385, THEA 481, THEA 482, THEA 483, THEA 441, THEA 455, THEA 485, THEA 486, MUTH 494

#### **4) Bachelor of Arts in Theatre Arts:**

##### **Miscellaneous Requirements and Limitations:**

- 1) Candidates for the BA degree are expected to make significant contributions in the production program. They may expect assignment to such duties as are considered by the faculty to be necessary and desirable in their academic and artistic development.
- 2) Majors are expected to adhere to all policies and procedures outlined in the *School of Theatre Arts Handbook*.
- 3) Attendance at all Theatre Arts classes is mandatory.
- 4) At the conclusion of the sophomore year, students meet individually with the faculty of the School of Theatre Arts to evaluate progress to date.
- 5) Students who fail to fulfill their responsibilities within the School of Theatre Arts may be put on departmental probation, limiting their ability to participate in the production program.
- 6) Juries will be held for theatre majors during each academic year to give the faculty the opportunity to provide input on individual student progress and to assist the student's decisions in a continuing course of study.

##### **Miscellaneous Requirements and Limitations for all BFA degrees:**

1. At least 11 of the course units counted toward the total degree requirements must be at the upper-division level.
2. Not more than four course units of "D" work completed at Illinois Wesleyan University or elsewhere may be counted toward a degree. Not more than two course units of "D" work in music, music theatre, or theatre arts may be counted toward a degree.
3. Candidates for the B.F.A. degree will be expected to make significant contribution to the production program as performers (actors, singers, dancers), designers, or in various technical capacities. Students may expect assignment to such duties as are considered by the faculty to be necessary and desirable in their academic and artistic development.
4. Majors are expected to adhere to all policies and procedures outlined in the *School of Theatre Arts Handbook*.
5. Attendance at all Theatre Arts and Music Theatre classes is mandatory.

6. At the conclusion of the sophomore year, each student will meet with the faculty of the School of Theatre Arts to evaluate progress to date.
7. Juries will be held for theatre majors during each academic year to give the faculty the opportunity to provide input on individual student progress and to assist the student's decisions in a continuing course of study.
8. Additional electives in the major are encouraged.
9. Students who fail to fulfill their responsibilities within the School of Theatre Arts may be put on departmental probation, limiting their ability to participate in the production program.

## **COURSES IN THEATRE ARTS**

**101 Theatre Appreciation (AR)** An introduction to the history and literature of the theatre, as well as the arts of playwriting, acting, directing and theatrical design. *Offered annually.*

**102 Fundamentals of Acting (AR)** An examination of the basic concepts, vocabulary and techniques of acting for non-Theatre Arts majors. *Offered annually.*

**105Y/106Y Theatre Laboratory I/Theatre Laboratory II** Laboratory experience in the practical application of stagecraft to scenery construction, costume construction, stage lighting and theatre management. Grades are credit/no credit. *Offered every seven weeks.*

**110 Stagecraft (.5)** A survey of the basic principles of stagecraft and their practical application to scenery, properties, and stage equipment. For theatre majors and minors only. *Offered each fall.*

**112 Costume Technology (.5)** An introduction to the basic costume studio skills, including the use of various sewing machines and other specialized studio equipment as well as an introduction to basic pattern drafting and cutting skills. For theatre majors and minors only. *Offered annually.*

**114 Lighting and Sound Technology (.5 or 1 unit)** An introduction to the basic technology used in theatrical lighting and sound including stage lighting fixtures, lighting consoles, electrical systems, sound equipment, sound consoles, and sound programs. Students registered for full unit enrollment do additional work to gain proficiency on lighting and sound equipment control softwares. For theatre majors and minors only. *Offered annually.*

**115 Drawing for the Theatre** An introduction to drawing from the human form and still life designed for Theatre Arts majors. Students are introduced to drawing exercises through observation, technique and media exploration. Discussion, drawing from human models, demonstration, critiques, and exploration of thumbnail sketching and storyboarding as applied to entertainment design complements studio work. May be repeated for credit. For theatre majors and minors only. *Offered in alternate years.*

**141 Introduction to Theatre Studies** An introductory seminar for first year theatre majors in the BA program, examining the practice and analysis of theatre performance, design, and literature from a liberal arts perspective. Designed to model the basic historical, practical and theoretical models of theatre studies as a discipline. *Offered each fall.*

**180 Acting I** An introduction to the fundamental vocabulary, skills and concepts of acting. Students will be asked to explore the actor's process through a series of exercises that develop listening, concentration and imagination. Designed for Theatre Arts majors only, this course serves as a foundation for all subsequent performance courses. *Offered each fall.*

**181 Acting II** A process oriented course focused on scene study from contemporary plays. Course also introduces beginning text analysis for actors. For Theatre Arts majors only. Prerequisite: THEA 180. *Offered each spring.*

**185 Movement for the Actor I** An exploration of a variety of movement principles applicable to the stage actor. Emphasis is placed on increasing body strength, endurance

and flexibility. Primary focus of the course is in using the principles of Rudolf Laban's work with "Effort/Shape." For Theatre Arts majors only. *Offered each spring.*

**188 Performance I** An introduction to techniques and approaches in acting, voice/ speech, and movement. Acting work includes sensory and emotional awareness, observation, concentration and basic scene study techniques. Voice/speech work includes anatomy and kinesthetics of breath and voice, basic vocal warm-ups, and diction drills. Movement work includes neutral body, physical conditioning, and moving through time and space with energy. Required for Theatre Arts majors pursuing the Bachelor of Arts degree. *Offered annually.*

**211 Stage Makeup (.5)** Through demonstration, practical application and experimentation the student will evolve a personal approach to makeup for the stage. A seven-week lecture and laboratory course. *Offered each fall.*

**219 Stage Management** An introduction to the basic theories and principles of stage management for theatrical productions. Special attention will be given to script analysis for production planning, group discussions, lectures and practical projects. Prerequisite: THEA 110. *Offered every other spring.*

**220 Fundamentals of Theatrical Design** Introduction to visual communication and aesthetic theory as it applies to design for the stage. Explores theatre design as a means of communication, artistic expression and organization of information. Lectures, demonstrations, research, discussions, and design projects in sets, lighting and costumes complement studio work. Prerequisites: THEA 110 or 112 or 114, or consent of instructor. *Offered each fall.*

**221 Visual Concepts** Advanced study of aesthetic theory and the collaborative process. Explores the complex relationship between designer, director, text and audience with special emphasis on the dynamic between designers and directors. Features critiques, research, group discussions, lectures, demonstrations and project work. For theatre majors and minors only. *Offered occasionally.*

**225 Drawing for the Theatre** An introduction to drawing from the human form designed for Theatre Arts majors. Students will be introduced to the art of drawing as an exercise through observation, technique and media exploration. Discussion, drawing from human models, critiques and demonstrations will complement studio work. May be repeated for credit. For theatre majors and minors only. *Offered each fall.*

**241 Introduction to Dramatic Literature (AR, W)** An introduction to the key theories and theorists of theatrical history. Provides an understanding of the fundamentals of dramatic analysis and exposes the student to a variety of theatrical genres and modes of dramatic expression. *Offered annually.*

**271 Staging Faith: Religion and Spiritualism in Early 20th Century American Theatre (AV, U)** This 200-level seminar examines how Christianity, Judaism, spirituality, and ritualism influenced early 20th century theatre movements and provided forums for cultural and ethnic communities to establish agency. *Offered occasionally.*

**272 "What does THIS button do?" (IT)** An historical survey of technological practices and developments, and artistic innovations in lighting, sound and video disciplines in performative spaces. Lighting theory as it is applied to sources, lens, projections and animations and how that has developed over time. Explores how entertainment advances have both mirrored and defined western culture. *Offered occasionally.*

**276 Dance Appreciation (AR, W)** An examination of the last fifty years of concert dance in the United States. Through readings and viewings of performances on video, students will become familiar with various choreographers, be able to offer critical analysis of selected works and hypothesize future trends in dance performance. *Offered occasionally.*

**280 Acting III** A continuation of the process from Acting II including elements of style and advanced text analysis. For BFA Acting and Music Theatre students only. Prerequisite: THEA 181. *Offered each fall.*

**284 Voice/Speech I** This course will focus on the development of a free voice, through breathing and sounding techniques applied to speaking poetry, as well as voice and character work for actor's preparation outside of rehearsal. For Theatre Arts majors only. Permission of Instructor is required. *Offered each fall.*

**288 Performance II** A continuation of Performance I, this course allows students to continue to develop the ability to integrate acting, voice/speech, and movement. Focus is placed on scene study and dramatic action. A unit on auditioning techniques will be included in the course. Prerequisite: THEA 188 or consent of instructor. *Offered annually.*

**290 Practicum** Practical work for theatre arts majors. Students will assume production responsibilities in one of the following areas: performance, assistant directing, design, stage management, scenic craftwork and costuming. A contract outlining specific assignments must be filed with the Director of the School of Theatre Arts. May be repeated for credit. Prerequisite: Consent of Director of the School. *Offered each semester.*

**310 Technical Drawing** Introduction to artistic and technical aspects of the theatrical drawing and drafting as utilized to communicate spatial design for the stage. Project work, exploration of craft techniques and drawing media, emphasis on hand drafting techniques and Vectorworks software are featured. *Offered in alternate years, spring semester.*

**311 Rendering** Introduction to rendering processes and concepts for theatrical design. Explores various styles of scenic and costume drawing and painting as artistic expression, communication and organizational information. Study of selected historical and contemporary modes of rendering. Experimentation with many painting and drawing media. Project work, research, and demonstrations complement studio work. Prerequisite: THEA 220 recommended. *Offered in alternate years.*

**312 Properties for the Theatre** Introduction to many materials, media, methods and shop tools utilized for project development. Formal presentation skills will be developed through assignments. Craft skills, material selection and tool use will be developed through project work. May be repeated for credit. Prerequisite: THEA 110 or consent of instructor. *Offered every other spring.*

**313 Costume Crafts** Introduction to the artistic and technicals of creating costume accessories and properties for the stage. Explores period and contemporary accessories. Special attention given to fabrication and construction. Lectures, demonstrations of fabrication techniques, and research assignments complete studio work. Prerequisite: THEA 112 or consent of instructor. *Offered alternate years, spring semester.*

**314 Lighting Dynamics** An exploration of the applications of advanced technology for modern stage lighting. Topics include data and networking structures; console programming; workflow strategies; lighting software, graphics, and documentation; photometrics; intelligent fixtures; projection and digital media. Students will learn to use technology effectively in the service of aesthetic considerations of design. Prerequisite: consent of instructor. May be repeated for credit. *Offered alternate years.*

**317 Costume Construction** Project work in the construction of costumes for the stage, including pattern drafting, draping and the translation of the costume rendering into reality. Prerequisite: THEA 112 or consent of instructor. *Offered in alternate years.*

**318 Scene Painting (AR)** An exploration of the preparation and painting of scenery for the stage. Project work includes layout, textural applications, figurative and tromp l'oeil methods for translating scale elevations or scenic models into reality. Prerequisite: Consent of instructor. *Offered in alternate years.*

**319 Special Materials and Techniques** A continuation of scene painting and properties fabrication. The course will explore in detail special construction techniques, unique materials or applications, complex shop tools and detailed painting and surface finishing processes. Project work, research and demonstrations complement studio work. Prerequisite: Consent of instructor. *Offered occasionally.*

**341 Playwriting (W, AR)** Instruction in the basic principles of the art of playwriting. Using a workshop format, each student will be required to write and rewrite one or more plays. May be repeated for credit if the subject matter is not duplicated. Prerequisite: Junior standing and consent of instructor. *Offered occasionally.*

**342 Screenwriting (W, AR)** Instruction in the basic principles of the art of screenwriting. Using a workshop format, each student will be required to write and rewrite one or more screenplays. May be repeated for credit if the subject matter is not duplicated. Prerequisites: Junior standing and consent of instructor. *Offered occasionally.*

**355 Fundamentals of Play Direction** An introduction to the theories and techniques of theatrical direction. Prerequisite: Junior standing in the School of Theatre Arts. *Offered annually.*

**360 Travel Seminar** An on-site study of national and international centers of theatrical activity. Open to all University students. May be repeated for credit with permission of the instructor. Prerequisite: Consent of instructor. *Offered occasionally during May Term.*

**370 Special Topics in Theatre** A group of courses varying in content and approach which are not otherwise offered as part of the regular Theatre Arts curriculum. May be repeated for credit if the subject matter is not duplicated. Prerequisite: Consent of instructor. *Offered occasionally.*

**371 Theatre History I (CHC, W)** A comprehensive survey-seminar about world theatre history tracing theatre in the ancient world to 1650, exploring theatrical architecture, conventions, theory, and literature as they interact with cultural movements. This class requires significant dramaturgical and written projects alongside a heavy reading load. Prerequisite: Junior standing in the School of Theatre Arts. *Offered each fall.*

**372 Theatre History II (CHC)** A comprehensive survey-seminar about world theatre history tracing theatre 1650 to present, exploring theatrical architecture, conventions, theory, and literature as they interact with cultural movements. This class requires significant dramaturgical and written projects alongside a heavy reading load. *Offered each spring.*

**376 History of Western Dance (AR)** Covers the evolution of western dance with concentration on ballet and American modern dance. Special attention is given to historical figures who made a large contribution to the development and art of dance. *Offered in alternate years.*

**377 History of Décor (AR, G)** An exploration of the decorative history of human experience as expressed through domestic crafts, ornamentation, architectural styles and furniture. *Offered in alternate years.*

**378 History of Costume and Fashion (AR)** Comprehensive survey of Western costume from Mesopotamia to the 20th century. Study of dress from a sociocultural and historical context. Special attention given to the evolution of silhouette, attitudes expressed by each period regarding personal adornment, and evolution of haute couture. Image-based lectures, group discussions, and pictorial research complement class work. *Offered occasionally.*

**380 Play Workshop** This process-oriented course is designed to provide acting students with the opportunity to apply and synthesize advanced acting skills in the development of a laboratory, showcase production. Productions may be of existing texts, or may be



devised by the class. May be repeated for credit. Prerequisite: 280 or 288, and the consent of instructor. *Offered in alternate years, Spring Term.*

**381 Audition Technique** This course focuses on specific skills required of the actor in the audition situation. Other issues related to entering the profession are also addressed. The course is intended for performance majors who intend to pursue a professional career in Acting or Musical Theatre. Prerequisite: THEA 280, 288, or consent of instructor. *Offered annually.*

**383 Advanced Scene Study** Advanced work in analysis and preparation of scenes from a wide range of dramatic genres and styles. Focus will be given to choosing material tailored to the needs of each student. Working with the instructor, students will be encouraged to select and work on scenes that most accurately address current, developmental needs. May be repeated for credit. Prerequisite: THEA 280 or 288, and consent of instructor. *Offered every other spring.*

**384 Voice/Speech 2** Vocal freedom remains central. English speech sounds and International Phonetic Alphabet are studied and applied to monologues. Additionally, several dialects are explored and applied to appropriate dramatic texts. Open to BFA performers only. Prerequisite: THEA 284, or a declared major in Music Theatre. *Offered each spring.*

**385 Movement for the Actor II** An exploration of the body-mind connection and how it pertains to the physical work of the actor. In addition to visiting a variety of movement principles, particular focus will be given to the area of unarmed stage combat (including falls and rolls) in scene work. Prerequisite: THEA 185. *Offered each fall.*

**391 Performance in Production (AR)** This experiential course is designed to give Theatre Arts students an immersion experience in a production process. Students invited to participate in this course will function as a theatre company, creating a theatrical performance in our E. Melba Johnson Kirkpatrick Laboratory season. May be repeated for credit. Prerequisite: Consent of instructor. *Offered each May Term.*

**392 Seminar in Design and Technology** Study of specialized topics pertaining to the developmental theatrical design process and/or the experiential production process. Topics are tailored to each enrollment cadre in order to meet specific demands of the group and needs of individuals. May be repeated for credit. *Offered each semester.*

**396/496 Internship Design/Technical** Credit for participation in an off-campus supervised internship in theatre. Sample apprenticeships include work with casting agencies, production companies, professional theatres and film companies. Prerequisite: Consent of Director of the School of Theatre Arts. *Offered each semester.*

**421 Costume Design** Introduction to aesthetic theory and visual communication as they apply to designing costumes for the stage. Script analysis, character development, collaborative dynamics, research techniques, rendering projects, and theoretical application of production techniques complement studio work. Prerequisite: THEA 220 or consent of instructor. *Offered in alternate years.*

**422 Scene Design** A concentrated study of spatial design methods for the theatre. Through multiple projects, students will undertake script analysis, visual research, conceptual design development and application of studio production techniques to create unique scene design solutions. Perspective drawing, rendering, drafting, model building and formal aspects of design presentation will be utilized. Prerequisite: THEA 220 or consent of instructor. *Offered in alternate years.*

**423 Lighting Design** A study of lighting design principles and techniques for the theatre. Through multiple projects, students will undertake script analysis, visual research, conceptual design development and application of studio production techniques to create lighting designs. Formal aspects of design presentation will be utilized. Prerequisite: THEA 220 or consent of instructor. *Offered in alternate years.*

- 424 Sound Design** An exploration of the presence, aesthetic, and purposeful use of sound. Through the lenses of science and art, students will explore sound as a dynamic medium for creative composition and storytelling. Students will engineer and implement original content and explore how designers implement creative sound designs for live performance. Prerequisite: THEA 220 or consent of instructor. *Offered in alternate years.*
- 441 Issues in Contemporary Theatre** A discussion course focusing on contemporary theatre production, theory, and reception. Although international perspectives will be raised, the focus will be on American theatre practice, and occasional trips to Chicago and other venues may be required. Prerequisite: Senior standing in the School of Theatre Arts. *Offered each spring.*
- 455 Directing Workshop** Experiential course in which advanced directors develop and execute concept-driven theatre pieces. Prerequisite: THEA 355. *Offered in alternate years, spring.*
- 471 American Theatre History** A study of the most significant events, plays and individuals in the American theatre from 1665 to the present. *Offered occasionally.*
- 481 Acting Shakespeare** Advanced work in acting, focused on techniques and approaches needed for Shakespeare's plays. Classes will include textual analysis as well as scene study. Designed for B.F.A. performers, though B.A. Theatre students may be admitted based on availability and audition. May be repeated for credit. Prerequisite: THEA 280 or THEA 288, and consent of instructor. *Offered every fall semester.*
- 482 Actors' Studio** An advanced performance course. Content will vary depending upon the needs of the student and the expertise of the instructor. Course may include advanced scene and character work, contemporary techniques, audition preparation and discussion of the transition to the profession. Designed for BFA performers, though BA students may be admitted based on availability and audition. May be repeated for credit. Prerequisite: THEA 280 or 288, and consent of instructor. *Offered each fall.*
- 483 Acting for the Camera** Advanced work in acting, designed to introduce the student to the special demands of the camera and the unique challenges encountered when acting in film/video productions. Through selected readings, exercises, and on-camera scene work, the student will develop modified acting techniques appropriate to this intensely intimate performance medium, and learn to adapt to its non-sequential production format. May be repeated for credit. Prerequisite: THEA 280 or 288, and consent of instructor. *Offered each spring.*
- 485 Rapier and Dagger** Advanced movement course that includes scene work. Students will learn safe and effective techniques for performance of staged violence, using the rapier and the dagger. Prerequisite: THEA 385 or consent of instructor. *Offered in alternate years.*
- 486 Sticks and Stones** Advanced movement/acting class. Students will learn safe and effective techniques for performance of staged violence. The course will focus on use of only one weapon, most often broadsword technique. However, the course could focus on small sword, quarterstaff, sword and shield, single sword, found weaponry or any weapon currently recognized by the American Society of Fight Directors. May be repeated for credit. Prerequisite: THEA 385 or consent of instructor. *Offered alternate years.*
- 490 Practicum** Advanced practical work for upper level theatre arts and music theatre majors. Students will assume major production responsibilities in one of the following areas: directing, design, assistant directing, stage managing, etc. A contract outlining specific assignments must be filed with the Director of the School of Theatre Arts. May be repeated for credit. Prerequisite: Consent of Director of the School. *Offered each semester.*
- 491 Degree Project** All theatre arts students may submit a degree project proposal. For detailed information about requirements and procedures, consult the *Theatre Arts Handbook*. A contract outlining specific assignments must be filed with the Director of the School of Theatre Arts. May be repeated for credit. Prerequisite: Consent of Director of the School. *Offered each semester.*

**497 Independent Study: Theatre History and Dramatic Literature** Individual, concentrated study in theatre history or dramatic literature. A student must have permission of a sponsoring faculty member and the Director of the School of Theatre Arts. May be repeated for credit if subject matter is not duplicated. *Offered each semester.*

**498 Independent Study: Performance** Individual, concentrated study in performance. A student must have permission of a sponsoring faculty member and the Director of the School of Theatre Arts. May be repeated for credit if subject matter is not duplicated. *Offered each semester.*

**499 Independent Study: Design and Technical** Individual, concentrated study in design or technical theatre. A student must have permission of a sponsoring faculty member and the Director of the School of Theatre Arts. May be repeated for credit if subject matter is not duplicated. *Offered each semester.*

## **COURSES IN FILM**

**110 Film Aesthetics (AR)** This course will closely examine film as an item of popular culture and as a serious art form with the aim of developing an understanding of the language of film drawn from its narrative content and formal structure. Special attention will be given to the thematic elements of the film and the unique ways in which the narrative mode is given cinematic realization. *Offered in alternate years.*

**320 Film Theory (LIT)** This course explores a variety of theories of and critical approaches to film, including modernism and realism, genre theory, queer theory, and feminist criticism. Through reading of critical articles, viewing of films, and in-class discussion, students will learn how to apply theoretical framework to films across time periods and styles. Pre-requisite: FLM 110 and one additional cinema class or 200-300 level English literature class. *Offered in alternate years.*

**330 Videography** This course is designed for students interested in developing skills in digital videography. Through lecture and hands-on, mentored, technical training, students will study camera basics, the art of shot-making, editing, color grading, special effects, and audio capture and engineering. Through the production of various video projects, students will work to bridge the gap between technical proficiency and creative expression. Prerequisite: FILM 110. *Offered each spring semester.*

**431 Directed Study in Video Production** Advanced practical work for upper level students on the Film Studies minor. Students will assume major production responsibilities for THEA 483- Acting for the Camera, including video-taping, lighting, and audio capture of actors' in-class exercises, monologues, scenes, and writing, producing, directing, and shooting a short motion picture: post-production on all recording media, including: editing, titling, color correction, special effects, and audio engineering. Attendance at all THEA 483 class meetings is required. Prerequisites: FILM 330 and consent of the THEA instructor. *Offered each fall.*

**432 Independent Study** Individual, concentrated study in Film Studies for advanced students on the Film Studies minor. Students will be ordered around a single, major project, such as an original motion picture or a scholarly paper, which may be eligible for research honors. A contract outlining project details must be filed with the Director of the School of Theatre Arts. Students must have permission of a sponsoring faculty member and the Director of the School of Theatre Arts. Prerequisites: FILM 320, FILM 330. *Offered each semester.*

## **COURSES IN MUSIC THEATRE**

**32, 32X Music Theatre Pit Orchestra (.25, 0)** This instrumental ensemble course runs in conjunction with the School of Theatre Arts' musical productions, including the rehearsal and performance run of the musical. May be repeated for credit. May be taken for credit or no credit. Prerequisite: Consent of instructor. *Offered each semester.*

**132 Jazz Dance I (.25) (Cross Listed with PEC 142X\*)** An introduction to the fundamentals of jazz dance technique. The course will build the student's jazz vocabulary and technical skill in properly executing that vocabulary. Students will be drilled in proper body alignment and proper body conditioning for jazz dance, and ability to perform simple jazz combinations. May be repeated for credit. *Offered annually.*

**133 Tap Dance I (.25) (Cross-listed with PEC 143X\*)** An introduction to the fundamentals of tap dance technique. The course will build the student's tap vocabulary and technical skill in properly executing that vocabulary. Students will be drilled in proper body alignment and proper body conditioning for tap dance, and ability to perform simple tap combinations. May be repeated for credit. *Offered annually.*

**134 Ballet I (.25) (Cross-listed with PEC 144X\*)** Beginning Ballet: An introduction to the fundamentals of ballet technique. The course will build the student's ballet vocabulary and technical skill in properly executing that vocabulary. Students will be drilled in how to learn, master and perform simple ballet combinations. May be repeated for credit. *Offered each semester.*

**135 Modern Dance I (.25) (Cross-listed with PEC 145X\*)** An introduction to the fundamentals of modern dance. The course will build the student's basic modern dance vocabulary and technical skills in properly executing that vocabulary. Students will be drilled in proper body alignment and proper body conditioning for modern dance, and ability to perform simple modern dance combinations. May be repeated for credit. *Offered annually.*

**160 Music Theory for Musical Theatre I (.5)** Basic key concepts in music theory, including melody, rhythm, harmony, and form using excerpts from musical theatre literature. The course includes related aural and sight singing instruction and integrates keyboard skills with written work in a laboratory setting. *Offered every fall.*

**160X Musical Theatre Basic Keyboard I (0)** Basic keyboard reinforcement of theoretical concepts from *Music Theory for Musical Theatre* with special attention to the development of sufficient keyboard technique to handle simple vocal accompaniments.

**161 Music Theory for Musical Theatre II (.5)** Basic analysis of musical theatre songs, presenting models for the singing actor on how to use music analysis to aid performance. The course continues instruction of key concepts of music theory including scales, intervals, and elementary voice-leading and basic harmonics. The course includes related aural and sight singing instruction and integrates keyboard skills with written work in a laboratory setting. *Offered every spring.*

**161X Music Theatre Basic Keyboard II (0)** Basic keyboard reinforcement of theoretical concepts from *Music Theory for Musical Theatre* with special attention to the development of sufficient keyboard technique to handle simple vocal accompaniments.

**162, 163 Freshman Applied Voice for Music Theatre (.5)** Instruction in the area of applied voice for Music Theatre students. In addition to providing instruction in vocal technique, this course introduces students to the repertoire and styles associated with the Music Theatre genre. Students will receive private instruction and will participate as a member of a repertory class. *162 offered each fall; 163 offered each spring.*

**232 Jazz Dance II (.25) (Cross-listed with PEC 232X\*)** Intermediate jazz dance technique. The course will expand jazz vocabulary as well as explore more difficult styles and combinations. Students will be expected to master intermediate level strength, stretching, stamina and body awareness suitable to the jazz idiom. Prerequisite: PEC 142X\*/MUTH 132 or consent of instructor. May be repeated for credit. *Offered annually.*

**233 Tap Dance II (.25) (Cross-listed with PEC 233X\*)** Intermediate tap dance technique. The course will expand tap vocabulary as well as explore more difficult styles and combinations. Students will be expected to master intermediate level rhythm, strength, stretching, stamina, and body awareness suitable to the tap idiom. Prerequisite: PEC 143X\*/MUTH 133 or consent of instructor. May be repeated for credit. *Offered annually.*

**234 Ballet II (.25) (Cross-listed with PEC 234X\*)** Intermediate ballet technique. The course will expand ballet vocabulary as well as explore more difficult styles and combinations. Students will be expected to master intermediate level strength, stretching, stamina, and body awareness suitable to the ballet idiom. Prerequisite: PEC 144X\*/MUTH 134 or consent of instructor. May be repeated for credit. *Offered each semester.*

**235 Modern Dance II (.25) (Cross-listed with PEC 235X\*)** Intermediate modern dance technique. The course will expand modern dance vocabulary as well as explore more difficult styles and combinations. Students will be expected to master intermediate level strength, stretching, stamina and body awareness suitable to the modern dance idiom. Prerequisite: PEC 145X\*/MUTH 135 or consent of instructor. May be repeated for credit. *Offered each semester.*

**262, 263 Sophomore Applied Voice for Music Theatre (.5) (.5)** A continuation of applied work in Music Theatre as described under MUTH 162. *262 offered each fall; 263 offered each spring.*

**331 Broadway Dance Repertory** This seven week course will expose the students to choreography from Broadway musicals. Dances, in whole or in part, will be reconstructed/restaged. Students will be expected to become familiar with a variety of choreographers and styles. Prerequisite: Consent of instructor. May be repeated for credit. *Offered annually.*

**332 Jazz Dance III (.25) (Cross-listed with PEC 332X\*)** Advanced jazz dance technique. The course will expand jazz dance vocabulary as well as explore more advanced styles and combinations. Students will be expected to master advanced level strength, stretching, stamina, and body awareness suitable to the jazz dance idiom. Students will focus on exploring performance skill that range beyond the technique. Prerequisite: PEC 232X\*/MUTH 232 or consent of instructor. May be repeated for credit. *Offered annually.*

**333 Tap Dance III (.25) (Cross-listed with PEC 333X\*)** Advanced tap dance technique. The course will expand tap dance vocabulary as well as explore more advanced styles and combinations. Students will be expected to master intermediate to advanced level rhythm, strength, stretching, stamina, and body awareness suitable to the tap idiom. Students will focus on exploring performance skills that range beyond the technique. Prerequisite: PEC 233X\*/MUTH 233 or consent of instructor. May be repeated for credit. *Offered annually.*

**334 Ballet III (.25) (Cross-listed with PEC 334X\*)** Advanced ballet technique. The course will expand ballet vocabulary as well as explore more advanced styles and combinations. Students will be expected to master advanced level strength, stretching, stamina, and body awareness suitable to the ballet idiom. Students will focus on exploring performance skills that range beyond the technique. Prerequisite: PEC 234X\*/MUTH 234 or consent of instructor. May be repeated for credit. *Offered each semester.*

**335 Modern Dance III (.25) (Cross-listed with PEC 335X\*)** Advanced modern dance technique. The course will expand modern dance vocabulary as well as explore more advanced styles and combinations. Students will be expected to master advanced level strength, stretching, stamina, and body awareness suitable to the modern dance idiom. Students will focus on exploring performance skills that range beyond the technique. Prerequisite: PEC 235X\*/MUTH 235 or consent of instructor. May be repeated for credit. *Offered each semester.*

**336 Dance Composition** An examination of the tools available to the dance choreographer for creating dance for the solo form. Areas of space, time, and energy are addressed individually and in combination. Students have the opportunity to work on specific problems and to show the solutions to the class. Prerequisite: THEA 232, 233, 234, 235, or consent of instructor. *Offered in alternate years.*

**337 Choreography** This course examines the theoretical and practical approaches to the art and creation of choreography. Elements of dance may also be applied in particular to the music theatre to discover and explore the problems inherent in

choreography for the musical stage. Prerequisite: THEA 332, 333, 334, 335, or consent of instructor. *Offered occasionally.*

**362, 363 Junior Applied Voice for Music Theatre (.5)** A continuation of applied work in Music Theatre as described under MUTH 162. *362 offered each fall; 363 offered each spring.*

**374 Music Theatre History and Literature (AR)** This is a survey course exploring the evolution of early popular music in America and the surfacing of the Broadway standard while simultaneously investigating key figures in the development of the literature and practices of the modern musical. An emphasis is placed on the variety of ethnic music genres that combined to create the “Broadway sound” spanning the emergence of Tin Pan Alley to contemporary theatre music. *Offered in alternate years.*

**383 Music Theatre Scene Study** This course is designed to address acting the song and advanced analysis and preparation of solo, duet and ensemble scenes from music theatre literature. On occasion this practice results in a final showcase of material explored during the semester. Prerequisite: THEA 280 or consent of instructor. *Offered in alternate years.*

**435 Advanced Contemporary Dance: Advanced Techniques and Strategies (.5 or 1)** This course challenges each student on their artistic journey to better understand his/her body: how and why they move the way they do. By deconstructing dance technique, giving special attention to acting, physical storytelling, and musicality this course is an upper level and intensive experience in dance technique. Available for variable credit: 0.5 units focusing on class work, 1.0 units focusing of class work, the broader world of contemporary dance and exploring the mechanics of the body at a deeper level. Prerequisite: Consent of instructor. May be repeated for credit. *Offered each semester.*

**462, 463 Senior Applied Voice for Music Theatre (.5)** A continuation of applied work in Music Theatre as described under MUTH 162. *462 offered each fall; 463 offered each spring.*

**483 Music Theatre Workshop** This course is designed to investigate, encourage and promote new work by contemporary composers in an educational setting; providing the students of the School of Theatre Arts with an opportunity to experience the collaborative process between originator, actor, form and the professional world of music theatre. The students will workshop a single musical or a selection of chamber musicals resulting in a midterm public reading and final workshop presentation. Prerequisite: THEA 280 or consent of instructor. *Offered in alternate years.*

**494 Music Theatre: Special Projects** Individual work in the areas of dance, music theatre performance, production, and/or auditioning. This course is designed to provide faculty supervision in learning specialized performance techniques, in developing resume and portfolio material, or in developing a senior music theatre recital. Prerequisites: Consent of instructor and approval of project by music theatre faculty. *Offered each semester.*

## UNIVERSITY WIDE COURSES

**UNIV 200 Writing Center Peer Tutoring Colloquium (W)** Writing center tutoring is an ongoing conversation about writing during which the tutor listens, advises, and helps writers. This course is designed to teach tutors how to do these things to enhance their peer's skills. We read writing center scholarship and talk at what writing center work does. *Offered each spring semester.*

**UNIV 201 Peer Academic Tutor Colloquium (.5)** This course is designed to teach Peer Academic tutors how to listen, provide advice, and strengthen the skills of their peers learning at every level from first year through senior year. In this class, we will read current and established tutoring scholarship about equity, education, and strategies for success; talk through ideas about what tutoring is, does, and why it helps; and conclude the course by creating our own tutoring portfolios. *Offered each semester.*

**UNIV 202 Inclusive Membership Colloquium (.5)** To prepare students to be STEP mentors, this course will review relevant scholarship on the transition to college and the role social identities play in this process. Students can anticipate reading about how race, gender, social class, sexuality, and religion shape the college experience. Approval of instructor required. Credit/No credit. *Offered Spring Semester.*

**UNIV 297 STEM Project (Non-department Associated) (.25, .5, .75, 1.0)** A supervised experiential learning opportunity related to one or more of the STEM disciplines. Work may occur on or off campus. Students will have a faculty supervisor. Students working off campus may also have a site supervisor. Maximum of 2 units of credit may be used to fulfill graduation requirements. Prerequisite: permission of faculty supervisor. *Offered each semester.*

**UNIV 397 Supervised Internship (Non-department Associated) (.5, .75, 1.0)** A supervised experiential learning opportunity for students to apply skills in a professional setting. This course is designed for students desiring academic credit for an internship who do not have the option to earn internship credit through an academic department. Students may arrange internships for academic credit in consultation with a designated faculty supervisor and on-site internship supervisor. Prerequisite: Sophomore standing. *Offered each semester. May also be taken in the summer for additional tuition charge.* Maximum of 2 units of credit may be used to fulfill graduation requirements.

**UNIV 398 International Supervised Internship (Non-department Associated) (G) (.75, 1.0)** A supervised experiential learning opportunity outside the United States for students to apply skills in a professional setting. Through an international internship experience, students will engage in sustained interactions with the host culture both in and outside of the workplace. Additionally, students will fulfill course assignments that analyze and demonstrate understanding of the host culture. This course is designed for students desiring academic credit for an internship who do not have the option to earn internship credit through an academic department. Students may arrange internships for academic credit in consultation with a designated faculty supervisor and on-site internship supervisor. Prerequisites: Sophomore standing. *Offered each semester. May also be taken in the summer for additional tuition charge.* Maximum of 2 units of credit may be used to fulfill graduation requirements.

## **WOMEN'S, GENDER, AND SEXUALITY STUDIES**

*Irby, Director*

Women's, Gender, and Sexuality Studies (WGSS) is an interdisciplinary curriculum that offers feminist perspectives on the human experience, analyzes the role and contributions of women in history, investigates the impact of the construction of gender and sexuality in our lives and institutions, and examines the construction of knowledge. The curriculum draws on the expanding scholarship on women and gender to meet three goals:

- To study gender as a category of analysis, and its intersection with race, ethnicity, class, age, sexual identity, and (dis)ability, especially within a multicultural and institutional context;
- To investigate different perspectives on gender and sexuality;
- To reflect on historical, social, cultural, economic, and political issues affecting and categorizing individual identity and sexuality.

Since the discipline underlying WGSS promotes social change, some courses include an activist or service learning component. Still others ask students to reflect on how gender-related issues affect people's lives, including their own. Opportunities for internships and independent study allow students to

individualize the major according to their interests or career goals. WGSS is valuable to students planning to attend graduate school and/or build careers in such areas as business, health care, education, government, history, law, psychology, religion, and social work. The WGSS major requires a minimum of nine courses and the minor requires a minimum of five courses, including core courses on sexuality. Students must earn a grade of “C” or higher for a course to count toward a major or minor. Students interested in a WGSS major or minor should consult the Women’s, Gender, and Sexuality Studies Director for academic advising, especially since not all courses are offered each semester.

***Major Sequence in Women’s, Gender, and Sexuality Studies:***

A minimum of nine course units, to include the following (with a minimum of four courses at the 300-400 level):

- 1) At least one introductory course on gender studies and feminism in the U.S.  
Choose from:  
WGSS 101: Introduction to Women’s, Gender, and Sexuality Studies (CSI,U)  
History 244: History of American Feminisms (CHC, U)  
Philosophy 230: Philosophy of Feminism (AV, U)  
Sociology 222: Sex and Gender in Society (CSI, U)
- 2) At least one course on gender and sexualities. Choose from:  
English 381: Thinking Queer/Reading Queer (LIT, U)  
Health 330: Human Sexuality (AV)  
History 350: Women, Work, and Leisure, 1890-1930 (CHC, U)  
Psychology 356: Psychology of Gender (U)  
Sociology 380: Sociology of Sexualities (U)
- 3) Six additional courses designated as Women’s, Gender, and Sexuality Studies courses. Courses must be chosen from at least two different divisions, schools, or programs (I-VI below), at least three different departments or disciplines. WGSS 270, 370, 397, and 450 may also count for this requirement.
- 4) Women’s, Gender, and Sexuality Studies 490: Senior Seminar (W)

***Minor Sequence in Women’s Gender, and Sexuality Studies***

The minor in Women’s, Gender, and Sexuality Studies requires a minimum of five courses, with at least 2 300- or 400-level courses. Only courses in which students earn a C or higher may be applied towards the minor.

- 1) At least one introductory course in gender studies and feminism in the U.S.  
Select from:  
WGSS 101: Introduction to Women’s, Gender, and Sexuality Studies (CSI, U)  
History 244: History of American Feminisms (CHC, U)  
Philosophy 230: Philosophy of Feminism (AV, U)  
Sociology 222: Sex and Gender in Society (CSI, U)
- 2) At least one course on gender and sexualities. Select from:  
English 381: Thinking Queer/Reading Queer (LIT, U)  
Health 330: Human Sexuality (AV)  
History 350: Women, Work, and Leisure, 1890-1930 (CHC, U)  
Psychology 356: Psychology of Gender (U)  
Sociology 380: Sociology of Sexualities (U)



- 3) Three additional courses designated as Women's, Gender, and Sexuality Studies. Courses must be chosen from at least 2 different divisions (I to VI below), and 3 different departments or disciplines. WGSS 270, 370, 397 and 450 may also count for this requirement.

\*Applies if course has significant women's and gender issues content. Contact the Women's, Gender, and Sexuality Studies Director for advice.

## **I. HUMANITIES**

English 120: Women in Literature (LIT)  
English 170: Special Topics: 20th Century Women Writers (LIT)  
English 222: Shakespeare's Shrews (LIT, W)  
English 243: What's Love Got To Do With It?: English Poetry, 1500-1700 (LIT)  
English 255: Hip-Hop: A Literary Study (LIT, U, W)  
English 257/HIST 257: Promised Land (CHC, U)  
English 351: Manifest Destinies: American Lit. to 1865 (LIT, U)  
English 370: Special Topics\*  
English 381: Thinking Queer/Reading Queer (LIT, U)  
English 393: Love Marriage, Sex, Power: Shakespeare's Comedies and Histories (LIT)  
English 394: Death, Gender, Power: Shakespeare's Tragedies and Romances (LIT)  
GRS 217: Race, Gender, and Ability in the Ancient World (AV, W)  
Literature and Culture 251/351: Identity and Alterity in Latino Literature (LIT, U)  
Philosophy 230: Philosophy of Feminism (AV, U)  
Religion 106: Women, Religion, and Spirituality (CSI, G)  
Spanish 348: Latin American Women Writers (LIT)

## **II. SOCIAL SCIENCES**

Anthropology 245/345: World Music (IT, G)  
History 144: The Gilded Age, 1865-1900 (CHC, U)  
History 217: Race, Gender, and Ability in the Ancient World (AV, W)  
History 244: History of American Feminisms (CHC, U)  
History 249: Growing Up in America, 1607-Present (CHC, U)  
History 257/English 257: Promised Land (CHC, U)  
History 270: Special Topics\*  
History 343: Migration, Ethnicity, and Race (CHC, U)  
History 350: Women, Work, and Leisure 1890-1930 (CHC, U)  
History 370: Special Topics\*  
Sociology 222: Sex and Gender in Society (CSI, U)  
Sociology 270: Special Topics\*  
Sociology 311: Marriage and Family (CHC, U)  
Sociology 340: Social Movements and Politics in the U.S. (CHC, U)  
Sociology 345: Intersectionality (IT, U)  
Sociology 350: Emotions and Society (AV, U)  
Sociology 370: Special Topics\*  
Sociology 380: Sociology of Sexualities (CHC, U)

## **III. NURSING/HEALTH**

Health 330: Human Sexuality (AV)  
Health 351: Abuse in America (AV)

Nursing 430: Maternal and Newborn Nursing

#### **IV. NATURAL SCIENCES**

Psychology 356: Psychology of Gender (U) (prerequisite PSYC 100)

#### **V. FINE ARTS**

Music 245/345 World Music (IT, G)

Theatre 370: Special Topics\*

Theatre 372: Theater History II (CHC)

#### **VI. WOMEN'S, GENDER, AND SEXUALITY STUDIES**

WGSS 270: Special Topics in Women's, Gender, and Sexuality Studies

WGSS 370: Special Topics in Women's, Gender, and Sexuality Studies

WGSS 397: Internship

WGSS 450: Independent Study

\*Special topics courses outside of WGSS may count, pending approval by the WGSS Director.

**101 Introduction to Women's, Gender, and Sexuality Studies (CSI, U)** The study of women's lives, the construction of gender roles, and issues in sexuality in American culture and society. Topics may include diverse perspectives on sex, gender, and sexual identity, personal health and sexuality, the relationship of gender, class, and ethnicity, and specific social issues such as economic discrimination or gender-based violence. *Offered annually.*

**270 Special Topics in Women's, Gender, and Sexuality Studies** Designed to explore a topic of special interest in Women's, Gender, and Sexuality Studies. Not all special topics courses will earn credit in general education; see current *Program of Classes* to determine if the course earns general education credit. *Offered occasionally.*

**370 Special Topics in Women's, Gender, and Sexuality Studies** An examination of selected topics in Women's, Gender, and Sexuality Studies at the advanced level, including theoretical approaches. Not all special topics courses will earn credit in general education; see current *Program of Classes* to determine if the course earns general education credit. *Offered occasionally.*

**397 Internship** Directed research and work for experiential learning with a community organization, not-for-profit association, social service agency, or business focused on issues related to sexuality, women and/or gender issues. See Career Center for additional information. Prerequisites: declared WGSS major or minor, successful completion of an introductory course in WGSS, junior or senior standing, and consent of the WGSS Director. *Offered each semester.*

**450 Independent Study** Individualized study (including directed readings) on a topic not normally in the Women's, Gender, and Sexuality Studies curriculum resulting in the preparation of a significant product such as a research paper or performance. Students must devise a plan of study in cooperation with faculty. Prerequisites: declared WGSS major or minor, junior or senior standing, successful completion of an introductory course in WGSS, and consent of the WGSS Director. *Offered each semester.*

**490 Senior Seminar (W)** Advanced research and writing seminar examining theory in Women's, Gender, and Sexuality Studies. Students will research and write an independent analytical paper. Prerequisites: WGSS major/minor, and senior standing, or consent of instructor. *Offered every fall.*

## WORLD LANGUAGES, LITERATURES, AND CULTURES

Dixon, Almeida Vélez, Ferradáns, Kojima, Nadeau, Valverde

In today's global society, knowledge of languages and cultures is increasingly important in business, industry, and the professions. Courses in World Languages, Literatures, and Cultures are an integral part of the IWU Liberal Arts experience, and directly support the University's mission of *preparing students for democratic citizenship and life in a global society*.

The WLLC department offers a major in Hispanic Studies, and minors in Hispanic Studies, and Japanese Studies. Lower-level courses (numbered 100/200) develop an awareness of cultural and linguistic diversity in the world as they develop all four language skills (speaking, reading, listening, and writing). Upper-level courses (numbered 300/400) deal with cultural history, literature, film, popular culture, contemporary social and political issues as well as the intellectual traditions that have shaped the societies where these languages are spoken.

The WLLC offers courses taught in Arabic, American Sign Language, Chinese, French, Japanese, and Spanish. In addition, the WLLC faculty offer courses in Literature and Culture Studies in English Translation (LC), which are designed to provide students with a knowledge and understanding of the literature/culture of non-English speaking countries. See Literature and Cultural Studies in English Translation, page 333. The WLLC also offers Modern Languages (ML) courses that are taught in hybrid mode, page 335.

## AMERICAN SIGN LANGUAGE (ASL)

**101 Elementary American Sign Language I** An introduction to American Sign Language with emphasis on comprehension and production of basic language functions, grammatical structures and level-appropriate vocabulary. Presents information about the Deaf community and culturally appropriate behaviors. Designed for students with no previous experience in American Sign Language. *Offered every third semester.*

**102 Elementary American Sign Language II** A continuation of American Sign Language vocabulary, language functions and grammatical structures presented in ASL 101. Further develops language comprehension and production skills at increasing levels of complexity. Applies increasingly complex grammatical structures to language functions. Presents and integrates additional information about Deaf culture into language usage. Prerequisite: ASL 101 or consent of department chair. *Offered every third semester.*

**201 Intermediate American Sign Language (LA)** This course continues the proficiency-oriented approach of elementary ASL. It is designed to strengthen vocabulary, language functions, and grammatical structures presented in ASL 102 and focuses on grammatical and lexical expansion with emphasis on idiomatic usage and socio-cultural communicative functions. Prerequisite: ASL 102 or consent of department chair. *Offered every third semester.*

## FRENCH AND FRANCOPHONE STUDIES COURSES

See Literature and Culture Studies in English Translation beginning on page 333 for information on courses taught in English.

**101 Elementary French I** An introduction to the French language and culture that emphasizes the skills of listening, speaking and reading, and introduces students to writing.

Primary emphasis is placed on oral communicative skills and on functioning in real-life situations in a French cultural context.

**102 Elementary French II** A continuation of language skills developed in 101, with exposure to more complicated grammatical concepts as well as cultural issues. Primary emphasis is placed on oral communicative skills and on functioning in real-life situations in a French cultural context. Prerequisite: 101 or equivalent.

**201 Intermediate French (LA)** This course continues the proficiency-oriented approach of the first-year sequence. A distinction is made between review grammar and new material. In this way a bridge is made between the grammar at the elementary level and the greater control expected of second-year students. Prerequisite: 102 or equivalent.

**303 Introduction to Literature I: The Individual and Society (LIT)** This course is designed to provide majors and minors in French with an introduction to the reading and study of great French literary works of all genres, spanning the Medieval to the contemporary post-modern period. In French 303, students examine works that focus on the theme of the individual and society, with an emphasis on developing advanced language skills through reading, discussing, and writing about literature. Prerequisite: French 230 or equivalent.

**397 Internship (.75 or 1)** Opportunities for students to apply linguistic and cultural skills in a professional context in a wide variety of professional areas and locations including local, domestic, and international sites. Discuss with the section coordinator. Prerequisites: 230 or equivalent.

**499 Independent Study** Independent reading, writing, or project related to the advanced study of French language, culture or literature. Prerequisite: departmental approval and instructor's consent. *Occasionally available through partners.*

## HISPANIC STUDIES

Dixon (section coordinator), Almeida Vélez, Ferradans, Nadeau, Valverde

Hispanic Studies at Illinois Wesleyan University seeks to develop students' proficiency in Spanish as it is used in Spain and in the Americas and to expose students to the literature and culture of other societies in the Spanish-speaking world. Our language, literature and culture classes address both transnational themes and what is particularly Spanish/Latin American/Latinx about the issues that each course studies.

Advanced work in Spanish focuses on honing the four language skills of reading, listening, speaking, and writing while providing a foundation for acquiring competency in dealing with a variety of considerably more complex communicative, cultural and literary materials. All majors and minors will explore courses in the following three curricular areas and be required to take one core course in each area:

- 1) In Communities, Communication, and Language students explore Spanish as a world language as it is spoken in Spain, the Americas and elsewhere with emphasis on oral and written communication strategies. Various 200-level classes focus on specific pre-professional development in the health care, non-profit, and business sectors. The core course is SPAN 303: Communicating Across Cultures in the Spanish-speaking World.
- 2) In Cultures and Identities students analyze and compare issues of identity and inequity within the rich cultural diversity of the Spanish-speaking world. The core course is SPAN 307: Reading and Writing Culture.

- 3) In *Texts and Con(texts)* students interpret and synthesize primary and secondary literary and/or visual texts placing them in the socio-cultural context in which they arise. The core course is SPAN 308: Introduction to Literature.

### ***Learning Goals of the major in Hispanic Studies***

Upon completion of a major, students should demonstrate: 1) an intermediate-high or advanced proficiency in Spanish, 2) an awareness of the complexity of issues of cultural difference, 3) the ability to analyze literary works in Spanish and, 4) an appreciation for the aesthetic and intellectual currents of the Spanish-speaking world. The major sequence lists minimum requirements only: students are encouraged to strengthen their program of study by taking additional upper-level courses. In particular, one should seek a balance between courses dedicated to Spain, Latin America, and Latinx in the US, striving for a broad knowledge of issues in all three contexts.

Study abroad programs are available through affiliated colleges and universities and given the measurable effects a study abroad experience has on language and cultural competencies, it is highly recommended for all majors and minors. Students select a program with a faculty advisor according to the student's individual needs, goals, and abilities. The Hispanic Studies Program offers scholarships for studying abroad through the Luis Leal Fund. (<https://www.iwu.edu/study-abroad/>)

### ***For those who will become teachers***

Hispanic Studies majors who seek teacher licensure declare a second major in Secondary Education. For further information, refer to the Educational Studies section in this Catalog and the Teachers Education Program Handbook ([www.iwu.edu/educational-studies/handbooks/](http://www.iwu.edu/educational-studies/handbooks/)).

### ***Major Sequence in Hispanic Studies:***

Ten Hispanic Studies courses beyond the basic language sequence including:

- 1) The three core curriculum courses:
  - SPAN 303: Communicating Across Cultures in the Spanish-speaking World
  - SPAN 307: Reading and Writing Culture
  - SPAN 308: Introduction to Literature
- 2) At least two additional courses in *Cultures and Identities* taken from courses numbered SPAN 320-339
- 3) At least two additional courses in *Texts and Con(texts)* taken from the courses numbered SPAN 340-369
- 4) Three additional Hispanic Studies elective courses above SPAN 201. One of these can be a cross-listed SPAN/LC course.

### ***Additional notes:***

Although study abroad is not required for the Hispanic studies major and minor, it is highly encouraged.

SPAN 203 is meant as a bridge class between the basic sequence and the core curriculum; once SPAN 303 has been taken, students cannot enroll in SPAN 203.

One class from requirements (2) or (3) must be focused on pre-1900 literature or culture.

One LC class with a focus on Spain, Latin America, and/or Latinx in the US can count toward the major.

For advanced students, an independent research project is highly encouraged (SPAN 491). Please speak with Hispanic Studies faculty about this possibility.

### ***Learning Goals of the Minors***

Students who complete one of the three minor programs should be able to demonstrate: 1) an intermediate level of oral skills in both speaking and comprehension, 2) the ability to write, constructing extended argument with analysis of historical or literary texts, and 3) understanding of the variety of Hispanic cultures around the globe.

Students with a minor sequence in Hispanic Studies for Nursing and the Health Care Professions and those with a minor sequence in Hispanic Studies for Business, Accounting, Entrepreneurship, Finance, and Marketing will acquire specialized language and cultural competency skills that will better prepare them for their respective areas of employment.

Hispanic Studies Minors are strongly encouraged to participate in IWU's Spain Program the spring of their sophomore year. The Hispanic Studies Program offers scholarships for studying abroad through the Luis Leal Fund. Please visit the IWU Study Abroad Office webpage, and discuss options with your academic advisor.

### ***Minor Sequence in Hispanic Studies:***

Six Hispanic Studies courses beyond SPAN 201 including:

- 1) The three core curriculum courses:
  - Spanish 303: Communicating Across Cultures in the Spanish-speaking World
  - Spanish 307: Reading and Writing Culture
  - Spanish 308: Introduction to Literature
- 2) One additional course in *Cultures and Identities* taken from courses numbered SPAN 320-339
- 3) One additional course in *Texts and Con(texts)* taken from courses numbered SPAN 340-369
- 4) One elective which can be a cross-listed SPAN/LC course

### ***Minor Sequence in Hispanic Studies for Nursing and Health Care Majors:***

(See also Spanish language study for Nursing Majors.)

Six Hispanic Studies courses beyond SPAN 101 including:

- 1) Three core curriculum courses:
  - SPAN 303: Communicating Across Cultures in the Spanish-speaking World
  - SPAN 307: Reading and Writing Culture
  - SPAN 308: Introduction to Literature
- 2) SPAN 230: Medical Spanish and Cultural Competency for Health Care
- 3) One additional course in *Cultures and Identities* taken from courses numbered SPAN 320-339
- 4) One additional course in *Texts and Con(texts)* taken from courses numbered SPAN 340-369

***Minor Sequence in Hispanic Studies for Business, Accounting, Finance, Entrepreneurship and Marketing Majors:***

Six Hispanic Studies courses beyond SPAN 201 including:

- 1) Three core curriculum courses:
  - SPAN 303: Communicating Across Cultures in the Spanish-speaking World
  - SPAN 307: Reading and Writing Culture
  - SPAN 308: Introduction to Literature
- 2) SPAN 250: Business Spanish and its Cultural Context or BARC 250
- 3) One additional course in *Cultures and Identities* taken from courses numbered SPAN 320-339
- 4) One additional course in *Texts and Con(texts)* taken from courses numbered SPAN 340-369

***Additional notes for all three minor sequences:***

Although study abroad is not required for Hispanic Studies majors and minors, it is highly encouraged.

SPAN 203 is meant as a bridge class between the basic sequence and the core curriculum, once SPAN 303 has been taken, students cannot enroll in SPAN 203.

One SPAN/LC class can count toward the minor.

SPAN 311 Spanish Across the Curriculum with a focus on business law or marketing is recommended for the Minor in Business, Accounting, Entrepreneurship, Finance, and Marketing.

For advanced students, an independent research project is highly encouraged (SPAN 491) Please speak with Hispanic Studies faculty about this possibility.

**Basic Language Sequence**

**101 Elementary Spanish** An introduction to Spanish language and Hispanic cultures that emphasizes the basic language skills of speaking, listening, reading, and writing. Primary emphasis is placed on interpersonal and presentational oral skills and on functioning in real-life situations in a Spanish-language cultural context. Taught in Spanish. *Offered each spring.*

**102 Elementary Spanish II** A continuation of basic language skills developed in 101, with exposure to more complicated structural forms as well as cultural issues. Primary emphasis is placed on interpersonal and presentational oral skills and on functioning in real-life situations in a Spanish-language cultural context. Taught in Spanish. Prerequisite: SPAN 101 or equivalent. *Offered each fall.*

**201 Intermediate Spanish (LA)** This course continues the proficiency-oriented approach of the Beginning Spanish sequence. It is designed to strengthen the basic language skills introduced in 101 and 102 with an emphasis on interpersonal and presentational oral skills. Students have to attend one weekly conversation session. Taught in Spanish. Prerequisite: SPAN 102 or equivalent. *Offered each semester.*

**Hispanic Studies Core Curriculum for Majors and Minors**

**303 Communicating Across Cultures in the Spanish speaking world (G)** Practice of advanced oral communication strategies and a thorough review of basic problems of Spanish grammar for English-speakers. This class focuses on practicing interpersonal, presentational, and interpretive communication skills while comparing and contrasting different cultures within the Spanish-speaking world and placing the language in the socio-cultural context when it arises. Prerequisite: SPAN 203 or equivalent. *Offered each semester.*

**307 Reading and Writing Culture (W, G)** This course investigates a cultural topic, issue, or theme significant to the Hispanic world, such as migration, revolution, hybridity, and culinary practices. Students will explore and practice different research strategies and key concepts in cultural studies as they strengthen reading and writing skills in Spanish. Prerequisite: SPAN 203 or equivalent. *Offered annually.*

**308 Introduction to Literature (LIT, G)** An introduction to the literary analysis. Major authors, themes, and genres from both the Americas and Spain are included, with basic concepts of contemporary literary criticism and theory. Prerequisite: SPAN 303 or equivalent. *Offered annually.*

### **Communities, Communication, and Language Courses**

**203 Spanish as a World Language (G)** This course reviews Spanish structural forms and builds vocabulary in the context of developing speaking, listening, reading, and writing skills, and examines the diverse Spanish-speaking cultures. In-class time focuses on the development of interpersonal and presentational skills, while out-of-class time will be directed toward the development of interpretative skills. Cannot be taken if student has already taken 303. *Offered each semester.*

**223 Radio Latina (.5)** A weekly guided conversation with Hispanic Studies faculty and students. If you are curious about current events in the Spanish-speaking world and you want to practice your reading and speaking skills in Spanish, this class is for you. Credit/No Credit. (May count toward graduation but not the major or minor in Hispanic Studies.) Prerequisite: SPAN 201 or equivalent. *Offered occasionally.*

**230 Medical Spanish and Cultural Competency for Health Care (U)** This course is designed for students planning to work in health care and who want to acquire more skills in medical Spanish. We will discuss Hispanic culture in the U.S., particularly how it relates to health care. Students will participate in an informal internship at a local community clinic. Prerequisite: SPAN 201 or equivalent. *Offered each fall.*

**240 Spanish for Social Justice (U)** Students develop language skills and cultural competency for situations that focus on social justice. Fieldwork in one of the following areas: immigration, housing, education, employment and voter rights is a key part of the course. Prerequisite: SPAN 201 or equivalent. *Offered in alternate years, spring semester.*

**250 Business Spanish and its Cultural Context (G)** This course is designed for students planning to work in business, accounting, finance, entrepreneurship, or marketing and who want to acquire more business-related language and cultural competency skills before entering the work force. Students will read and analyze business documents in Spanish, present oral reports, and work 1-3 hours/week as part of a group project related to the local Latinx community. Prerequisite: SPAN 201 or equivalent. *Offered alternate years, spring semester.*

**300 Intensive Language Studies (Abroad only)** When taken abroad in an approved program. This course should be an intensive practice of intermediate/advanced oral and written communication skills in the language. Credit should be discussed and approved by the section coordinator before departure. Prerequisite: SPAN 203 or equivalent. *Offered each semester.*

**301 Topics in Hispanic Studies (Abroad only)** Taken abroad in an approved program. Subject matter might include anthropology, economics, history, literature, political science, or other. Credit should be discussed with the department head. Prerequisite: SPAN 303. *Offered as needed.*

**305 Travel Seminar** Travel with a faculty member to countries in which Spanish is spoken. Will include independent projects, a daily journal, and field trips to cultural monuments, museums, and other sites of interest. An experience in linguistic and cultural immersion. Prerequisites vary. *Offered occasionally.*



**311 Spanish Across the Curriculum** Taken in conjunction with a course outside the department, this course integrates Spanish language and cultural competency with studies in disciplines commonly taught in English. For example, Business Law and Marketing in Spanish. May be repeated as topics change. Prerequisite: SPAN 303 or equivalent. *Offered occasionally.*

**317 Introduction to Spanish Linguistics (FR)** Examines Spanish language as a functional system of communication. Emphasis is on general principles of linguistic analysis: sound, form, order and on linguistic changes related to temporal, regional and social pressures. Prerequisite: SPAN 303. *Offered occasionally.*

### **Cultures and Identities Courses (320-339)**

**321 The Spanish Baroque (IT)** This course examines the intellectual history of the Spanish Baroque from the seventeenth-century to expressions of the neo-Baroque today. Works studied may include Calderón's theatre, Valázquez's paintings, Zayas' novels, essays by Wölfflin and Sarduy, and Gehry's Guggenheim Museum in Bilbao. This course fulfills the pre-1900 requirement. Prerequisite: SPAN 307. *Offered in alternate years.*

**322 The New Spanish Citizen (IT, G) (Cross-listed with LC 222)** This class explores citizenship as it relates to cultural identity in the Iberian Peninsula. Through the lenses of art, film, and literature, we will analyze how different notions of home and belonging have shaped contemporary Spanish society over time. Prerequisite: SPAN 307. *Offered in alternate years.*

**324 Muslim Spain: The Rise and Fall of the Caliphate of Córdoba (912-1031) (CHC) (Cross-listed with LC 224)** This course studies Islamic Spain from the cultural splendor of al-Andalus, with a focus on the Caliphate of Córdoba (912-1031), to its legacy present in Spain today. We will analyze the complex portrait of Muslims, Christians, and Jews coexisting as they transformed the Western world. This course fulfills the pre-1900 requirement. Prerequisite: SPAN 307. *Offered in alternate years.*

**326 Latin American Film (AR, G)** This course will strive to understand the scope and relevance of Latin American film, in general, and the specifics of the filmic production of Mexico, Brazil, Cuba, and Argentina. This course will develop the ability to read, understand and discuss films as a unique medium and teach the ability to understand films as cultural products that are the result of particular historical conditions. Prerequisite: SPAN 307 or equivalent. *Offered in alternate years.*

**327 Latin American Revolutionaries** This course will analyze different instances of insurgency in Latin America, including peaceful leftist mobilizations and violent revolutions. We will look at the development of national identities, the wars of independence in the Americas, the Mexican Revolution, the Cuban Revolution, the Cold War, Central America's civil wars, transnationality and immigration. Prerequisite: SPAN 307. *Offered in alternate years.*

**328 Pre-Columbian and Colonial Latin America (CHC)** This course will study the pre-Columbian background of the Americas, the conquest period, and three centuries of Spanish colonial rule. Students will understand the interplay between culture, power, encounter, and exchange in the Americas, as well as the basic frameworks of Hispanic culture, the organizing principles of various Mesoamerican and Andean cultures, and the material frameworks of conquest and colonization. Fulfills the pre-1900 requirement. Prerequisite: SPAN 307. *Offered in alternate years.*

**330 The Legacy of the Spanish Civil War (IT, G) (Cross-listed with INST 330)** This class explores the legacy of the Spanish Civil War (1936-39) analyzing the complex and nuanced relationship between history and memory, and how contemporary Spanish society has dealt with the historical trauma of the civil war, the dictatorship that ensued, and the negotiated transition to democracy in the late 1970s. Prerequisite: SPAN 307. *Offered occasionally.*

**332 Resisting Dictatorship: Spain and Chile (CHC, G) (Cross-listed w/ LC 232)** This course explores how Spanish and Chilean societies endured decades-long brutal dictatorships and how both nations emerged as democratic systems in the late 20th century. We will examine the on-going legacies of dictatorship and the politics of memory as these play out in contemporary Spain and Chile. Prerequisite: SPAN 307. *Offered in alternate years.*

**334 Cultures of the Spanish-speaking Caribbean World (CHC, G)** Introduction to the cultures of Cuba, The Dominican Republic and Puerto Rico. Focus on historical development of culture and national identity, given the multicultural Indigenous, Spanish and African heritage, to understand the complexities of race, color, and class. Students analyze the questions of equality, justice and power in contemporary Caribbean societies. Prerequisite: SPAN 307. *Offered in alternate years.*

**336 Underground Hip-Hop Culture in the Spanish-speaking Caribbean (CHC, G)** Focus on the underground hip hop movement that affirms Afro-Hispanic identity through lyrics which examine the notion of beauty through an Afrocentric lens rather than one of the dominant Eurocentric culture. We analyze critical issues that affect justice, equity and inclusion for self-identifying Black and Indigenous People of Color (BIPOC). Prerequisite: SPAN 307. *Offered in alternate years.*

### **Texts and Con(texts) Courses (340-369)**

**341 Don Quixote: The First Modern Novel (LIT) (Cross-listed with LC 241)** This course formulates and develops our ideas of Cervantes, of Spain in the 16th and 17th centuries, and of literature in general. It explores the multiplicity of genres and cultural practices that exist within Don Quixote and examines its enduring influences on both literature and popular culture. Fulfills the pre-1900 requirement. Prerequisite: SPAN 308. *Offered alternate years.*

**344 Dangerous Texts (LIT, G) (Cross-listed with LC 244)** This course explores contemporary Spanish literature as a site for denunciation and resistance. What makes a text dangerous? How does Spanish society deal with this threat? How does it affect the nature of writing? We will analyze different genres and authors from the 20th and 21st centuries. Prerequisite: SPAN 308. *Offered in alternate years.*

**346 Visual Cultures of Modern Spain (IT, G) (Cross-listed with LC 246)** Analysis of main aesthetic, cultural, and philosophical questions as articulated in contemporary Spanish film and the visual arts. Prerequisite: SPAN 308. *Offered in alternate years.*

**347 Latin American Short Story (LIT)** This course will study the short story in Latin America, including Quiroga, Rulfo, Cortazar, Borges, Bombal, Garcia Marquez, and Allende, and the principal literacy, social and political movements that produced those stories, such as Regionalism, the Avante Garde, Existentialism, the Boom, the post-Boom and Feminism. Prerequisite: SPAN 308 or equivalent. *Offered in alternate years.*

**348 Latin American Women Writers (LIT)** This course will provide a general knowledge of Latin American women writers through a literary, cultural and historical study. We will establish the historical importance and cultural contributions of Sor Juana, Gomez de Avellaneda, Bombal, Ferre, Mastretta and Allende, including their marginalization from the canon and emergence from traditional inaccessibility to the production of official culture. Prerequisite: SPAN 308 or equivalent. *Offered in alternate years.*

**351 Identity and Alterity in Latino Literature (LIT, U) (Cross-listed with LC 251)** Explores literature by Latinos/as/xes who were born or raised in the United States to examine the notion of individual and collective identity. How do they define their identity in relation to that of their parents and ancestors, or fellow Americans? We analyze prose from the 20th and 21st centuries. Prerequisite: SPAN 308. *Offered in alternate years.*

**353 Afro-Latino/x Literature (LIT, U)** Analysis of Afro-Hispanic literature from Latin America and the United States to understand the representation of racial and cultural identity through literature. Focus on understanding denial and affirmation of blackness in the Caribbean and other Latin American nations. Emphasis on literacy readings and critical texts by authors from these nations. Prerequisite: SPAN 308. *Offered in alternate years.*

### **Independent Research in Hispanic Studies Courses**

**395 Directed Study** A project of interest to the student related to the advanced study of the Spanish language, or the cultures and literatures of Spanish-speaking countries. Normally topics may not duplicate the content of regularly offered courses. Prerequisites: Consent of instructor and the section coordinator. Student must submit a plan of study prior to enrollment. *Offered as needed.*

**397 Internship (.75 or 1)** Opportunities to apply linguistic and cultural skills in a professional context in a wide variety of professional areas and locations including local, domestic, and international sites. Prerequisite: SPAN 303 and consent of instructor. *Offered as needed.*

**491 Advanced Directed Study** A major research project developed in consultation with a Hispanic Studies faculty member. Emphasizes original research in Spanish, and may lead to the completion of a research honors project. Prerequisite: Hispanic Studies major and minors with senior standing, and consent of department chair. *Offered as needed.*

## **JAPANESE STUDIES**

*Kojima* (section coordinator)

The Japanese minor at IWU is an interdisciplinary program that considers the study of the language and culture to be inseparable. The minor engages with topics that are integral to understanding modern Japan, namely popular culture, history, and literature. As not all courses are offered every semester, planning ahead is essential.

The University's second language proficiency requirement is outlined in the General Education section of the *Catalog*. Students who studied Japanese in high school are strongly encouraged to contact the **section coordinator** at the beginning of their first year for placement. Regardless of level, students interested in pursuing Japanese language study should contact the program advisor as early as possible.

See Literature and Culture Studies in English description beginning on page 333 for information.

### **Learning Goals of the Minors**

Students who complete the Japanese minor should be able to demonstrate:

- 1) an intermediate-low or intermediate-mid level of all four communicative skills: speaking, writing, reading and listening,
- 2) mastery of socially and culturally appropriate communicative skills and,
- 3) a multifaceted understanding of Japanese culture.

Minors (and contract majors) in Japanese Studies are strongly encouraged to study abroad in Japan. Please visit the IWU Study Abroad Office webpage and discuss options with your academic advisor and section coordinator.

### **Minor Sequence in Japanese Studies:**

Five courses to include:

- 1) JAPN 201: Intermediate Japanese I
- 2) JAPN 202: Intermediate Japanese II

- 3) One 200-level course chosen from the following:
  - LC 202: From Atom to Akira: Japan's Pop Culture (LIT, G)
  - LC 203: Edible World Heritage: Introduction to Japanese Food Culture (IT, G)
  - ML 203: Introduction to Theoretical and Applied Linguistics: Analysis of Sound Structure (FR)
- 4) One 300-level course chosen from the following:
  - LC 308: Fashion and Lifestyle in Japan (CHC, G)
  - ML 303: Introduction to Theoretical and Applied Linguistics: Analysis of Sound Structure (FR, G)
- 5) One elective course chosen from the following list:
  - ANTH 273: Self and Society in Japan
  - ENST 362/PSCI 362: Global Environmental Studies and Asian Development
  - HIST 101: Introduction to Japanese History
  - HIST 202: World War II in the Pacific
  - HIST 301: Modern Japan, 1900–Present
  - JAPN 310: Studies in Literature and Humanities (Study Abroad)
  - JAPN 311: Studies in Social Science (Study Abroad)
  - JAPN 410: Advanced Japanese Language Studies (Study Abroad)
  - LC 105: Special Topics in Japanese Literature in Translation

In addition to the Japanese language courses, one 200-level and one 300-level course for the minor must be taken in residence at IWU.

Note: ML 203 and ML 303 are cross-listed classes. Students can count just one of them for the minor.

**101 Beginning Japanese I** An introduction to the four basic language skills: listening, speaking, reading and writing. Includes an introduction to grammar and alphabets (hiragana and katakana) and kanji. *Offered each fall.*

**102 Beginning Japanese II** A continuation of Japanese 101. Another hundred kanjis will be added. Prerequisite: 101 or equivalent. *Offered each spring.*

**LC 105 Special Topics in Japanese Literature in Translation (LIT)** This course will vary in content and approach to emphasize genres, themes, and periods in Japanese literature. Readings and lectures in English. May count toward minor in Japanese.

**201 Intermediate Japanese I (LA)** Higher communicative skills will be reached by learning another hundred additional kanji as well as complex grammar structures. Prerequisite: 102 or equivalent. *Offered each fall.*

**202 Intermediate Japanese II (G)** A continuation of Japanese 201. Students will learn more complex grammar and a few hundred more kanjis. Cultural and social aspects of the Japanese people are discussed through the language, learning to improve communicative skills. Prerequisite: 201 or equivalent. *Offered each spring.*

**LC 202 From Atom to Akira: Japan's Pop Culture (LIT, G)** Japanese popular culture is nearly synonymous with anime (animation), manga (comics), and video games. All three are an integral parts of Japanese life. This class will discuss the global popularity of these three forms of entertainment, which has spurred interest in Japan and the cultural themes that inform its popular culture. *Offered in alternate years.*

**LC 203 Edible World Heritage: Introduction to Japanese Food Culture (IT, G)** Washoku “Japanese cuisine” is UNESCO’s intangible world heritage: it represents admiration for nature and extends hospitality through delicate preparations and presentations. Students explore indispensable relations between foods and religions, between traditions and customs. Students are expected to participate in cooking sessions. *Offered in alternate years.*

**LC 205 Japanese Film and Aesthetics (CSI, G)** This course will examine Japanese films made in the post-World War II period. Students will study internationally-known directors such as Ozu and Kurosawa and learn terminology for analyzing artistic elements such as framing, camera position, lighting, sound, camera movement, optical distortion, and editing. *Offered occasionally.*

**LC 304 Cross-cultural Communication: US and Japan (CSI, G)** This course will focus on the interpersonal relationships between/within the US and Japan. Students will conduct research on various issues, including discrimination, misunderstanding, and prejudice. *Offered each spring.*

**LC 308 Fashion and Lifestyle in Japan (CHC, G)** This course explores the development of Japanese thoughts from antiquity to the present, focusing on issues of continuity and change. Students will study the major intellectual movements in Japan over time and examine the impact that modern influences from the West have had on traditional Japanese language, culture, and society. *Offered every other May.*

**310 Studies in Literature and Humanities (to be taken abroad)** Upper level courses in an approved study abroad program in the literature or the humanities category, including art history, theater, gender studies, music history, philosophy, and religion. Readings and lectures are in Japanese. Credit should be discussed with a member of the Japanese faculty before departure.

**JAPN 311 Studies in Social Science (to be taken abroad)** Upper level courses in an approved study abroad program in the social science category, including business, economics, history, political science, sociology, geography, and anthropology. Readings and lecture are in Japanese. Credit should be discussed with a member of the Japanese faculty before departure.

**JAPN 410 Advanced Japanese Language Studies (to be taken abroad)** Upper level course taken in an approved study abroad program. This course will contain a strong writing component in addition to practice in reading and conversation in Japanese. Credit should be discussed with a member of the Japanese faculty before departure.

## LITERATURE AND CULTURE STUDIES IN ENGLISH TRANSLATION

Courses in Literature and Culture Studies in English Translation are designed to provide students with a knowledge and understanding of the literature/culture of non-English speaking countries. Depending on the course, students will be introduced to issues that are at the core of a national literature, culture or linguistic practice. These courses may focus either on one specific country or present specific trends that cut across geographical boundaries. Readings, lectures, discussions in English.

**LC 105 Special topics in Japanese Literature in Translation (LIT)** This course will vary in content and approach to emphasize genres, themes, and periods in Japanese literature. Readings and lectures in English. May count toward minor in Japanese. *Offered occasionally.*

**LC 125 Special Topics in French Literature in Translation (LIT)** This course will vary in content and approach to emphasize genres, themes and periods in French literature. Readings and lectures in English. *Offered occasionally.*

**LC 165 Special Topics in Italian Literature in Translation (LIT)** This course will vary in content and approach to emphasize genres, themes and periods in Italian literature. Readings and lectures in English. *Offered occasionally.*

**LC 170 Special Topics** Introductory study of a wide variety of selected topics in literature and culture in translation, which are not covered in regular course offerings.

This course may be repeated if the subject matter differs. See current *Program of Classes* to determine if this course fulfills general education requirements. *Offered occasionally.*

**LC 202 From Atom to Akira: Japan's Pop Culture (LIT, G)** Japanese popular culture is nearly synonymous with anime (animation), manga (comics), and video games. All three are integral parts of Japanese life. This class will discuss the global popularity of these three forms of entertainment, which has spurred interest in Japan and the cultural themes that inform its popular culture. Prerequisite: N/A. *Offered in alternate years.*

**LC 205 Japanese Film and Aesthetics (AR, G)** This course will examine Japanese films made in the post-World War II period. Students will study internationally-known directors such as Ozu and Kurosawa and learn terminology for analyzing artistic elements such as framing, camera position, lighting, sound, camera movement, optical distortion, and editing. *Offered occasionally.*

**LC 222 The New Spanish Citizen (IT, G) (Cross-listed with SPAN 322)** This class explores citizenship as it relates to cultural identity in the Iberian Peninsula. Through the lenses of art, film, and literature, we will analyze how different notions of home and belonging have shaped contemporary Spanish society over time. *Offered occasionally.*

**LC 224 Muslim Spain: The Rise and Fall of the Caliphate of Córdoba (912-1031) (CHC) (Cross-listed with SPAN 324)** This course studies Islamic Spain from the cultural splendor of al-Andalus, with a focus on the Caliphate of Córdoba (912-1031), to its legacy present in Spain today. We will analyze the complex portrait of Muslims, Christians, and Jews coexisting as they transformed the Western world. This course fulfills the pre-1900 requirement. *Offered occasionally.*

**LC 232 Resisting Dictatorship: Spain and Chile (CHC, G) (Cross-listed w/ SPAN 332)** This course explores how Spanish and Chilean societies endured decades-long brutal dictatorships and how both nations emerged as democratic systems in the late 20th century. We will examine the on-going legacies of dictatorship and the politics of memory as these play out in contemporary Spain and Chile. *Offered occasionally.*

**LC 241 Don Quixote: The First Modern Novel (LIT, G) (Cross-listed with SPAN 341)** This course formulates and develops our ideas of Cervantes, of Spain in the 16th and 17th centuries, and of literature in general. It explores the multiplicity of genres and cultural practices that exist within Don Quixote and examines its enduring influences on both literature and popular culture. Fulfills the pre-1900 requirement. Prerequisite: none. *Offered occasionally.*

**LC 244 Dangerous Texts (LIT, G) (Cross-listed with SPAN 344)** This course explores contemporary Spanish literature as a site for denunciation and resistance. What makes a text dangerous? How does Spanish society deal with this threat? How does it affect the nature of writing? We will analyze different genres and authors from the 20th and 21st centuries. *Offered in occasionally.*

**LC 246 Visual Cultures of Modern Spain (IT, G) (Cross-listed with SPAN 346)** Analysis of main aesthetic, cultural, and philosophical questions as articulated in contemporary Spanish film and the visual arts. *Offered occasionally.*

**LC 251 Identity and Alterity in Latino Literature (LIT, U) (Cross-listed with SPAN 351)** Explores literature by Latinos/as/xes born or raised in the United States to examine the notion of individual and collective identity. How do they define their identity in relation to that of their parents and ancestors, or fellow Americans? We analyze prose from the 20th and 21st centuries. *Offered occasionally.*

**LC 260/360 Italian Cinema (AR)** This course will focus on the development and evolution of Italian cinema proceeding chronologically from 1912 to the present. Particular attention will be paid to questions of national identity, gender and political and social history. The class will center on the viewing and discussion of films and will survey

a broad spectrum of directors and styles. Lectures, readings, and discussions in English. Knowledge of Italian not required. *Offered occasionally.*

**LC 265/365 Renaissance Italy (IT)** From its passion for antiquity to its contrast with the Middle Ages, the Italian Rinascimento represents a turning point in Western history. The goal of this travel course is to introduce students firsthand to the art, architecture, literature, and history of Renaissance Italy. Prerequisite: Permission of the instructor. *Offered occasionally in May Term.*

**LC 270 Special Topics** Intermediate study of a wide variety of selected topics in literature and culture in translation which are not covered in regular course offerings. This course may be repeated if the subject matter differs. See current Program of Classes to determine if this course fulfills general education requirements. *Offered occasionally.*

**LC 308 Fashion and Lifestyle in Japan (CHC, G)** This course explores the development of Japanese thoughts from antiquity to the present, focusing on issues of continuity and change. Students will study the major intellectual movements in Japan over time and examine the impact that modern influences from the West have had on traditional Japanese language, culture, and society. *Offered in alternate years.*

**LC 320 French Cinema (AR,G)** This course is designed to show the aesthetics of film in 20th century French and Francophone cultures. Students will 1) study the chronological development of French film from the Lumière brothers to the Nouvelle Vague, focusing on the role of cinema in portraying social issues, 2) acquire the technical vocabulary of filmography, using it to analyze cinematic techniques used in the films we study, and 3) write and produce a short film. Two-thirds of the class will be devoted to the technical side of filmmaking, first theoretical and then practical. Films will be in French with English subtitles. Prerequisite: for LC 320: none. *Offered in alternate years, spring semester.*

**LC 325 Survey of French Civilization (IT)** An overview of French and Francophone civilization from pre-Roman Gaul to present day, highlighting political history and developments in language, literature, art, architecture, music and the sciences. Topics covered will include the family, gender roles, the educational system, the state, religions, immigration and colonization/post-colonization. Courses taught in English. *Offered in alternate years, fall semester.*

**LC 361 (IT) Glorious Past: Italian Civilization from the Risorgimento to the Present** This course presents Italian cultural history from its reunification in the Nineteenth Century through WWII to the present day. Topics include constructions of national identity and regional biases, social thought, literature, and art. All readings, lectures, etc. in English. *Offered in alternate years.*

**LC 370 Special Topics** Advanced study of a wide variety of selected topics in literature and culture in translation which are not covered in regular course offerings. This course may be repeated if the subject matter differs. See current *Program of Classes* to determine if this course fulfills general education requirements. Prerequisite: Gateway Colloquium. *Offered occasionally.*

**LC 377 Studies in Comparative Literature** Designed to investigate various aspects of literature in a comparative context. Treats two or more national literatures and will vary in content and approach. *Offered occasionally.*

**LC 380 Introduction to Literary Theory** Taught in English, introduces students to various formative stages of twentieth-century literary theory and their applications with emphases varying from year to year. Open to all students interested in literature. *Offered occasionally.*

## MODERN LANGUAGE

The Modern Language course rubric is housed in the Department of World Languages, Literatures, and Cultures. It is designed as a way to offer courses in modern languages and cultures that are offered in hybrid mode, like Arabic

and Chinese, or that are not regularly offered. Students should consult the current schedule of classes under “Modern Language” for specific offerings in a particular semester.

For information on individual programs go to the corresponding page listed below:

French, see page 323.

Hispanic Studies, see page 324.

Spanish, see Hispanic Studies page 324.

Japanese Studies, see page 331.

Literature and Culture Studies in English Translation, see page 333.

**ML 101, 102 Beginning Modern Language I & II** An introduction to a modern language and culture not regularly offered. The courses will emphasize the skills of listening, speaking, and reading, and introduce students to writing. Primary emphasis is placed on oral communication skills and on functioning in real-life situations in an appropriate cultural context. Prerequisite for 102: 101 or equivalent. *Offered sequentially, as needed.*

**ML 103 Introduction to General Linguistics (Cross-listed with COG 103)** General Linguistics studies the structural patterns, meaning, usage in society, historical development, and biological foundation of human language. The core course work will examine phonetics and phonology, morphology and syntax, and semantics. Readings may also cover language acquisition, social and geographic variation, pragmatics, neurolinguistics. Examples will be drawn from world languages, including English. No prerequisites.

**ML 175 Introduction to Romance Linguistics (FR)** Introduction to Romance Linguistics examines French, Italian, and Spanish language as a functional system of communication. Emphasis is on general principles of linguistic analysis: sound, form, and order and on linguistic changes related to temporal, regional and social pressures. Prerequisite: any experience with French, Italian or Spanish. *Offered occasionally.*

**ML 201 Intermediate Modern Language I (LA)** This course continues the proficiency-oriented approach of the beginning sequence. It is designed to strengthen the four basic language skills, as appropriate to the language. Prerequisite: ML 102 or equivalent. *Offered as needed.*

**ML 203/303 Introduction to Theoretical and Applied Linguistics: Analysis of Sound Structure (FR)** This course explores a scientific approach to the study of human language, specifically the theory of language sounds (i.e. phonology). Students will learn a set of rules within the theory that enables us to approach sound changes in terms of formal reasoning. *Offered every other year.*

## PROFESSIONAL PREPARATION IN THE COLLEGE OF LIBERAL ARTS

The University considers the intellectual breadth which results from a liberal arts education to be an invaluable asset for individuals planning to enter a profession. This view has been accepted by employers and experienced professionals. Keeping this assumption in mind, Illinois Wesleyan offers many opportunities and advantages to the future professional. In addition to the opportunity provided by its own professional schools, the University has made arrangements with other institutions for combined programs leading to both liberal arts and professional degrees. In the College of Liberal Arts itself, students may obtain professional training in the areas of business and education. Also, numbers of graduates in liberal arts and the professional schools pursue advanced degrees and go on to become doctors, lawyers, ministers, and college teachers.



## **Business**

The departments of accounting and finance, business administration, and economics in the College of Liberal Arts provide excellent preparation for students wishing to proceed directly into the business profession, to enter on-the-job training programs, or to do additional academic work leading to advanced degrees in these fields.

Students who plan a career in business may wish to combine graduate study in business with an undergraduate major in some other discipline. Interested students should contact the Career Center.

## **Combined Programs**

The special combined liberal arts-professional programs in conjunction with other institutions are designed for students who wish to obtain both a B.A. or B.S. degree and a professional bachelor's degree. Such combined courses are available in engineering and occupational therapy. For complete information on opportunities and requirements connected with these programs, contact the Registrar's office.

## **Educational Studies**

Each year a significant number of Illinois Wesleyan graduates are licensed for entry into the teaching profession.

Students may prepare for teaching at either the elementary or secondary level. Specialization in music education is also possible.

Future elementary teachers major in elementary education. Those students seeking secondary licensure double major in an approved academic discipline and secondary education. Those who plan to teach music major in music education through the School of Music.

Course requirements, as mandated by both the Illinois State Board of Education and IWU, are quite specific, leaving little room for electives. It is, therefore, essential that all students planning to enter the teaching profession declare their intent to do so to the Chair of the Educational Studies Department as soon into their academic career as possible.

## **Forestry and Environmental Management**

Illinois Wesleyan University participates with the School of the Environment at Duke University in offering a 3-2 cooperative program in forestry and environmental management, providing a unique combination of liberal and professional education. Illinois Wesleyan students majoring in biology, business, economics, or political science may participate in the program.

During their three years at Illinois Wesleyan, students complete the general education requirements of the College of Liberal Arts, selected requirements of their major department and 26 courses. Irrespective of major, all students are also expected to have had at least one course in calculus, statistics, and Economics, and to have a working knowledge of word processing and spreadsheet analysis. For students who select either the Resource Ecology or the Forest Resource Management program, this previous training must include an introductory course in ecology.

Qualified students are then accepted into either of two degree programs at Duke University, the Master of Forestry (M.F.) for those concentrating in Forest Resource

Management or the Master of Environmental Management (M.E.M.) for those concentrating either in Resource Ecology or in Ecotoxicology and Environmental Chemistry or in Water and Air Resources or in Resource Economics and Policy or in Coastal Environmental Management. Upon satisfactory completion of the initial two semesters of study at Duke (24 semester hours at Duke), Illinois Wesleyan University awards the student the appropriate bachelor's degree. After successful completion of two additional semesters of study, the student receives one of the professional master's degrees from Duke University.

Recent graduates hold positions with industrial firms, environmental consulting firms, state and Federal governmental agencies, and private conservation groups.

Many students complete their four-year baccalaureate degree program from Illinois Wesleyan before entering the M.F. or M.E.M. program at Duke. For students with specific career goals combining interests, Duke's School of the Environment has established formal concurrent degree programs allowing students to earn both a M.F. or M.E.M. degree from the School of the Environment and either a Master of Business Administration degree from the School of Business, or a law degree (Juris Doctor) from the School of Law, or a Master of Arts in public policy degree from the Institute of Policy Sciences and Public Affairs. To obtain further information about the degree programs of Duke University's School of the Environment, contact the Natural Science Division Office in the Center for Natural Sciences Learning and Research.

### **Journalism**

Newspaper editors and journalism graduate schools often prefer applicants who have broad backgrounds of college study. Illinois Wesleyan offers the breadth of a strong liberal arts curriculum, along with a minor in Journalism and New Media Studies within the English department. Many graduates have gone on to a journalism school or directly into the profession after gaining experience at Illinois Wesleyan through internships or work on the campus newspaper staff.

### **Law**

A background of four years in the liberal arts has proved to be excellent preparation for entrance into law school. Illinois Wesleyan graduates have traditionally enjoyed notable success in this field. Illinois Wesleyan graduates have been accepted at top law schools across the nation. Students considering a career in law should consult the Career Center for assistance in obtaining information about careers in law and about the process for making successful application to law schools.

### **Medicine and Dentistry**

Undergraduate training in the biological and physical sciences combined with the breadth of the liberal arts experience have enabled Illinois Wesleyan graduates to gain acceptance to the best medical schools in the nation. The University and the natural science departments in particular have built outstanding reputations in preparing students for medical careers.

Students interested in careers in medicine should consult with the Pre-Health and Biology Career Advisor in the Hart Career Center.

## **Occupational Therapy**

Illinois Wesleyan University offers a 3-2 cooperative program with the Program in Occupational Therapy of the School of Medicine at Washington University in Saint Louis that enables students to earn either a Bachelor of Arts or a Bachelor of Science degree from IWU and a Master of Science in Occupational Therapy from Washington University. It is a five year academic program in which the first three years are spent at Illinois Wesleyan and the final two years in the Washington University Program in Occupational Therapy. The cooperative program also offers students the opportunity to earn either a Bachelor of Science or a Bachelor of Arts degree from IWU and a Doctor of Occupational Therapy from Washington University. It is a six year program in which the first three years are spent at IWU and the last three years at Washington University. Students are eligible for admission to the Program in Occupational Therapy following successful (B- or higher) completion of course work at Illinois Wesleyan, to include: 1 life science course (200 level or above, Psych 213 would apply), 1 physiology course (or the 2 semester Human Biology sequence), Abnormal Psychology, Developmental Psychology, Statistics, plus an additional psychology or social science course.

Detailed information may be obtained from the University Therapy advisor by first contacting the Natural Science Division Office in the Center for Natural Sciences.

## **Pre-Engineering**

Illinois Wesleyan University offers several possibilities for students who wish to enter the engineering profession. Most pre-engineering students participate in the 3-2 cooperative engineering program. In this program the student completes three years at Illinois Wesleyan University obtaining the basic science, mathematics, and general education courses necessary for entrance into formal engineering study at a larger university. Illinois Wesleyan has formal ties with Washington University (St. Louis), Case-Western Reserve University (Cleveland), and Columbia University in the City of New York which virtually guarantee that the cooperating institution will accept the student provided that certain criteria are met. It is also possible to make individual arrangements with other institutions. Another program, either a 2-1-1-1 or a 3-2, is available with Dartmouth College (Hanover, N.H.) on a non-guaranteed basis. Students following either of these plans are awarded two bachelor's degrees: a Bachelor of Arts degree from Illinois Wesleyan following the fourth year of study and a Bachelor of Science degree from the engineering school following the fifth year of study. Although most students who participate in these programs declare their Illinois Wesleyan majors in one of the sciences or mathematics, this program is also open to students who wish to major in non-science fields provided that certain science and mathematics courses are taken prior to application for admission to the engineering institution. The 3-2 program combines the broad education typical of a liberal arts curriculum with the specialization typical of study in one of the engineering fields. Graduates of this program are especially well prepared for the future challenges to be faced by tomorrow's engineers.

A variety of other plans are also available for students whose needs are different from those who participate in the 3-2 plan. One of these, a 2-2 plan with the University of Illinois, coordinates the student's first two years of study at

Illinois Wesleyan with the program needed by the College of Engineering at the University of Illinois to assure the minimum number of problems with transfer. These students are treated as ordinary transfer students by both institutions. Other students have obtained their bachelor's degree at Illinois Wesleyan before transferring to the engineering school. In some cases these students have entered into the same program of study at the engineering school as they would had they been on the 3-2 plan and obtained a second bachelor's degree; others have entered directly into a master's degree program.

**Social Work**

The sociology program offers courses, including field work experiences, which prepares students who plan to enter social work after graduation or graduate studies in this field.