

PROGRAMS OF STUDY

ACCOUNTING

Olson, Moon, 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.

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, 112, 212, 212L, 216, 218, 219, 315, 316, 317, 318, BUS 331, 355, and FIS 303

Two course units selected from the following electives: ACC 319, 370, 416, 417, 418, 419

(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

Minor in Accounting for Business-related Majors

The minor in Accounting for Business-related majors is designed specifically for students majoring in business-related disciplines including Business, Finance, Marketing, Supply Chain Management and Professional Sales. Students majoring in these areas are required to complete the same core courses as accounting majors such as (ACC 112, ACC 212, ECON 100,

and ECON 227). The study of accounting complements topics learned in the completion of a degree in business fields by providing students with a solid foundation in financial management, strategic decision-making and effective communication. This additional expertise not only makes them well-rounded professionals but also enhances students' competitiveness in a broad range of career opportunities. Students majoring in Economics and Entrepreneurship are not eligible to complete this minor without taking additional prerequisite courses and obtaining department chair approval.

1) Six accounting courses to include the following three courses consisting of two and one half course units:

ACC 111: Accounting Procedures Lab

ACC 316: Intermediate Accounting/Auditing I

ACC 318: Intermediate Accounting/Auditing II

2) Three and one half-additional course units selected from the following list (At least one course unit must be at the 300-level or above):

ACC 216: Professional Issues in Accounting

ACC 218: Accounting Information Systems

ACC 219: Introduction to Data Analytics in Accounting

ACC 270: Special Topics in Accounting

ACC 315: Tax Accounting

ACC 317: Intermediate Accounting II

ACC 370: Special Topics in Accounting

ACC 416: Advanced Accounting

ACC 417: Government and Not for Profit Accounting

ACC 419: Information Systems and Controls

ACC 455: Independent Study

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 (1) 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 212 Introduction to Managerial Accounting (1) 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 (1) (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 (1) 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 (1) 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 (.5, .75, 1) 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. 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 (1) Individual tax procedures and an introduction to corporation and partnership taxation. Prerequisite: ACC 212. Offered each fall.

ACC 316 Intermediate Accounting/Auditing I (1) 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 (1) 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 (1) 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 (1) 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 Summer Term occasionally.

ACC 370 Special Topics in Accounting (.5, .75, 1) 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. Offered occasionally.

ACC 397 Internship in Industry (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. Prerequisites: Junior or senior standing and consent of instructor, minimum of six accounting, finance, business or economics courses. Offered each semester and Summer Term. May 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 419 Information Systems and Controls (.5) This course is designed to study information systems and data management with an introduction to information technology auditing. Topics in this course build upon concepts introduced in ACC 218: Accounting Information Systems. Topics include threats and controls related to security, confidentiality and privacy of data and the standards, frameworks and procedures considered by management when designing and implementing those controls, and considerations for performing system and organization control engagements. Prerequisite: ACC 218

ACC 455 Independent Study (1) Individual Study directed toward a specific topic in accounting. Prerequisite: consent of department chair. Offered each semester and Summer 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, Internship Seminar (required application course)
- 2) Three courses selected from the following:
 - PSCI 201, Law and Politics in States and Communities
 - 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.

ANTH 160 Human Origins (1) (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.

ANTH 171 Cultural Anthropology (1) (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.

ANTH 245/345 World Music (1) (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.

ANTH 273 Self and Society in Japan (1) (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.

ANTH 288 Consuming Passions: The Anthropology of Food (1) (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.

ANTH 360 Race, Racism, and Anthropology (1) (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

Lozar, Nielsen, Seo, Wilson, and adjunct faculty

The Ames 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 Ames School of Art & Design courses.

Housed in the Ames 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 Ames 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 Ames 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 Ames 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, 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 Ames 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 Ames 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 Ames 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, 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.

ART 111 Foundation Art (1) (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

ART 113 Drawing I (1) (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.

ART 130 Painting I (1) (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.

ART 135 Printmaking I (1) (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.

ART 140 Photography I (1) (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.

ART 213 Drawing II (1) 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.

ART 230 Painting II (1) A continuation of ART 130. Individual problems in painting. Prerequisites: ART 130. Offered each semester.

ART 235 Printmaking II (1) 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.

ART 240 Digital Photography (1) (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.

ART 330 Painting III (1) A continuation of 230. Students are expected to demonstrate greater independence and experimentation in their work. Prerequisite: ART 230. Offered each semester.

ART 335 Printmaking III (1) 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.

ART 340 Photography III (1) A continuation of 240. Students are expected to demonstrate greater independence and experimentation in their work. Prerequisite: ART 240. Offered occasionally.

ART 415 Advanced Drawing (1) 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.

Three-dimensional Art Courses

ART 121 Beginning 3-D Design (1) (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.

ART 125 Glass I (1) (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.

ART 137 Sculpture I (1) (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.

ART 139 Ceramics I (1) (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.

ART 201 Design Processes (1) (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.

ART 221 Designing for People (1) 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.

ART 225 Glass II (1) (AR) Continuation of ART 125 with a focus on a specific glassmaking technique(s) gained in Glass I. 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.

ART 237 Sculpture II (1) A continuation of 137. Individual problems in sculpture. Prerequisite: ART 137. Offered occasionally or by special arrangement.

ART 239 Ceramics II (1) A continuation of 139. Individual problems in ceramics. Prerequisite: ART 139. Offered each semester.

ART 312 Materials and Processes (1) 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.

ART 329 Concept to Prototype (1) 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.

ART 337 Sculpture III (1) 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.

ART 339 Ceramics III (1) A continuation of 239. Students are expected to demonstrate greater independence and experimentation in their work. Prerequisite: ART 239. Offered each semester.

Graphic Design Art Courses

ART 141 Graphic Design I (1) (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.

ART 241 Graphic Design II: The Image & Design (1) 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.

ART 242 Graphic Design: Web Design (1) 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 in alternate years, fall.

ART 341 Graphic Design III: The Narrative & Design (1) 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.

ART 342 Graphic Design: Advanced Web Design (1) 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 in alternate years, spring.

ART 343 Graphic Design IV: Problem Solving & Design (1) 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.

ART 441 Graphic Design V: Design Portfolio (1) 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

ART 110 Close Looking (1) (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.

ART 115 Introduction to Art History (1) (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.

ART 212 Baroque 'n Glass (1) (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.

ART 220 Introduction to Visual Culture (1) (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.

ART 311 Art and Architecture of the Roman World (1) (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.

ART 316 European Art, 1750-1900 (1) (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.

ART 320 Global Modern Art (1) (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.

ART 322 Global Contemporary Art (1) (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.

ART 370 Special Topics in Art History (1) 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.

ART 399 Art Seminar (1) (W) A seminar on a theme in art and visual culture, open to all upper-level undergraduates and required of seniors in the Ames School of Art & Design. 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.

ART 450 Advanced Studies in Art History (1) (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.

Additional Art Courses

ART 170 Special Topics in Art and design (1) (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.

ART 297, 397, 497 Internships (1) 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 Ames School of Art & Design faculty. Offered each semester.

ART 302 Contemporary Professional Practices (1) 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 Ames School of Art & Design. Offered occasionally.

ART 381 Special Topics in Art & Design (1) (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.

ART 480 Special Individual Projects (1) 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 Journalism 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 195.

BIOCHEMISTRY

For detailed requirements of the biochemistry major and course descriptions, please see Chemistry and Biochemistry on page 136.

BIOLOGY

Walter, Alvey, Cozy, Dennis, Haywood, Jaeckle, Lehr, Schwend, Walker

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 318, 324, 327, or 328, 345
- 5) One course in Cellular or Molecular Biology selected from BIOL 314, 325, 330, 331, 332, 340, 410, 412, or 413
- 6) One course in Organismal Biology selected from BIOL 305, 307, 310, 311, or 313
- 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, 311, 314, 324, 325, 327, 328, 340, 345, 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, or 313
- 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/) for further information.**

BIOL 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.

BIOL 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.

BIOL 111 Human Reproduction and Development (1) (LSI) This course introduces students to a variety of concepts relating to human reproductive and

developmental biology, including heredity, gamete production and fertilization, embryogenesis, and growth. It will also present technologies that affect human reproduction and development. This course will not fulfill any requirements toward a major or minor in Biology. Offered occasionally, Summer term.

BIOL 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.

BIOL 120 Ecology and Environmental Problems (1) (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.

BIOL 160 Plants (1.25) (LSL) This course provides students with an appreciation for the lives of plants-how they develop, grow, reproduce, interact with one another, interact with non-plants, and interact with their environments. Taught in "studio" format (integrated lecture and lab), it considers plants on the windowsill, in the garden, and in the environment. This course is intended for non-majors; it will not fulfill any requirements toward a major or minor in Biology. Offered spring semesters.

BIOL 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.

BIOL 216 Foundations of Evolution (1) (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.

BIOL 217 Galapagos-Biodiversity, Conservation, and Evolution in Action (1) (LSI, G) This travel course will introduce principles of evolutionary biology, ecology, conservation, biogeography, biodiversity, and geology that occur in the Galapagos Islands. On-site excursions on Santa Cruz and San Cristobal Islands will lead to different ecosystems to observe wildlife. Pre-and post-travel lectures will prepare students and summarize their observation. Offered in alternate years.

BIOL 305 Principles of Plant Physiology (1) This course will provide a basic understanding of how plants function. Topics will include the capture of light energy for growth and metabolism, plant development and its control, phytohormones, and responses to environmental stimuli. Students will understand that plants are very responsive to internal and external stimuli and have evolved unique mechanisms in response to their sessile lifestyle. Prerequisite: BIOL 101/102 or BIOL 107/108. Offered as needed.

BIOL 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.

BIOL 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.

BIOL 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.

BIOL 312 Genetics (1) (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.

BIOL 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.

BIOL 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. Offered each fall.

BIOL 316 Evolution (1) (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.

BIOL 318 Field Ornithology (1) (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 Summer Terms.

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

BIOL 323 Biostatistics and Experimental Design (1) 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.

BIOL 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.

BIOL 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.

BIOL 326 Topics in Marine Biology (1) 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.

BIOL 327 Experimental Ecology (1.25) (W) A research-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.

BIOL 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.

BIOL 329 Stream Ecology (1) (W) (Cross-listed with ENST 329) 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 stream systems. Special emphasis will be placed on comparing temperate and tropical systems. Prerequisites: BIOL 102 or 108. Offered occasionally.

BIOL 330 Topics in Cell Biology (1) (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.

BIOL 331 Biology of Stem Cells (1) (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.

BIOL 332 Biology of Cancer (1) 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.

BIOL 340 Cell Biology (1.25) (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. Offered for 1.25 units (W) with four hours of lecture and four hours of laboratory per week. Offered for 1.0 units without laboratory or W flag. Prerequisites: BIOL 101 and 102, or BIOL 107 and 108, or consent of instructor. Offered each fall.

BIOL 345 Behavioral Ecology (1) 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.

BIOL 370 Special Topics in Biology (1, 1.25) Courses with varying content that may be supported by a laboratory experience. Individual courses might serve to fulfill specific categorical requirements for the major, pending Department Chair approval. May be repeated for credit if the subject matter is not duplicated. Prerequisites: BIOL 102, or BIOL 108. Offered occasionally.

BIOL 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.

BIOL 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.

BIOL 398 Medical Externship (1) 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 Summer term.

BIOL 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.

BIOL 410 Molecular Foundations of Developmental Biology (1) (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.

BIOL 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.

BIOL 413 Better Living through Microbes (1) (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.

BIOL 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.

BIOL 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, Horn, Kearney, Mellske, Paul-Reef, Roberts, Vicary

The Department of Business Administration offers majors in Business, Entrepreneurship, Marketing, Professional Sales, and Supply Chain Management. 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.

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.

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. 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.

We offer a major, minor, and certificate in Entrepreneurship. The major is for those who want to focus on business and specialize their coursework in entrepreneurship. The minor has students complete the four, core entrepreneurship classes and select two additional business-related classes to build their business knowledge. The certificate is intended for students of any major to focus on the three, core entrepreneurship classes as a supplement to their educational plan.

The Professional Sales major equips students with the knowledge and skills necessary for career success, including presentation, oral and written communication, collaboration, and critical thinking.

Supply Chain Management is a comprehensive approach to strategic planning, coordinating, and optimizing the flow of goods, services, information, and finances as they move from the supplier to the manufacturer, through various distribution channels, and ultimately to the end customer. An academic program in supply chain management trains students to develop creative solutions, convert data into actionable decisions, and manage the impact those decisions will have on all stakeholders.

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

Business Majors minoring in Hispanic Studies reference page 310.

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 112, Business Administration 331, 341, 355, and 490, Economics 227, and Finance 303.

- 2) Four courses in Entrepreneurship: Business Administration 240, 330, 340, and 440.

- 3) One additional course from Accounting 212, Art 141, Business Administration 231, 238, 335, 338, 344, Computer Science 125, 126, 127, English 214, Finance 200, International and Global Studies 240, Journalism 315, Philosophy 213, Political Science/Sociology 398, Spanish 250.

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 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

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

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 Supply Chain Management:

A minimum of 13 courses to include:

- 1) Accounting 112, 212, Business Administration 331, 341, 355, 490, Economics 227, and Finance 303
- 2) Four additional courses in Supply Chain Management, Business Administration 231, 232 or 233, 321 or 322, 323, or 324
- 3) One leadership-competency focused class relevant to supply chain managers to be selected from:

Business 338: Negotiation in Business and Sales
Economics 352: International Finance
English 206: Creative Nonfiction
English 214: Digital Storytelling
Environmental Studies 100: Environment and Society
International and Global Studies 240: Thinking Globally: An Introduction
Journalism 211: Writing for Media
Journalism 315: Public Relations and Strategic Communication
Philosophy 204: Introduction to Ethical Theory
Philosophy 213: Business Ethics
Political Science 102: International Politics
Political Science 345: International Political Economy
Psychology 100: General Psychology
Psychology 259: Social Psychology
Sociology 101: Introductory Sociology
Spanish 250: Business Spanish and its Cultural Context

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

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:

The minor requires six courses, as follows:

- 1) Business Administration 240, 330, 340, and 440
- 2) Two elective courses selected from Accounting 112, 212, Art 141, Business Administration 331, 341, 355, Economics 100, 227, English 214, Finance 303, Journalism 315, or Political Science/Sociology 398.

Note: No less than one elective must be an ACC, BUS, ECON, or FIS course.

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.

Certificate Sequence in Entrepreneurship:

The certificate in Entrepreneurship requires that students complete the following three courses:

- 1) BUS 240: Introduction to Entrepreneurship
- 2) BUS 330: Funding Startups and Nonprofits
- 3) BUS 340: Starting a Business

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.

BUS 101 The Business World (1) (CSI) This course is designed to provide students with a foundational understanding of various aspects of the business world. Topics from across numerous business disciplines, such as accounting, finance, economics, entrepreneurship, marketing, and management, will be covered. The course introduces students to key concepts and principles essential for navigating the dynamic landscape of modern business. This course is designed specifically for students in majors outside of the School of Business and Economics and will not count towards major requirements. Prerequisites: none. Offered annually.

BUS 230 Relationship Driven Professional Sales (.75; 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.

BUS 230D Directed Study Lab (.25; 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.

BUS 231 Supply Chain Management (1) This class introduces students to Supply Chain Management where professionals manage relationships between firms, which collaborate to move products to the final customer. Topics will also include forecasting, different modes of transportation, the development and adjusting of delivery schedule, product specific logistics schedules, and how to make data informed decisions. Offered annually.

BUS 232 Sourcing and Operations (1) This course teaches the keys to strategic purchasing along with supplier selection and management. Topics include sustainable sourcing, using quantitative methods to maximize the most efficient use of inventory, evaluating demand uncertainty and supply chain risks, and learning to apply Six Sigma techniques. Offered annually.

BUS 233 Sourcing and Operations (.75; LCMC course) This course teaches the keys to strategic purchasing along with supplier selection and management. Topics

include sustainable sourcing, using quantitative methods to maximize the most efficient use of inventory, evaluating demand uncertainty and supply chain risks, and learning to apply Six Sigma techniques. Offered annually. This course is offered through a consortium partnership.

BUS 233D Directed Lab Study (.25; taught by IWU faculty) This class is linked to BUS 233, Sourcing and Operations, and consists of a directed study and discussion to develop a deeper understanding of the concepts and skills taught in the class. Offered annually.

BUS 238 Social Media Communications (1) Explore the dynamic landscape of social media as a communication tool in contemporary society. Students will examine the evolution, impact, and strategic use of various social media platforms within professional contexts. Emphasis is placed on understanding the intersection of technology, culture, and communication theories that shape social media interactions. Students will learn to critically analyze social media platforms, content creation strategies, and audience engagement techniques. Students will develop practical skills in creating compelling social media content, understanding audience behavior, and implementing strategic communication plans across various platforms. Offered annually.

BUS 240 Introduction to Entrepreneurship (1) 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.

BUS 270 Special Topics (1) 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.

BUS 321 Supply Chain Management Technologies (1) This course teaches the technologies and systems necessary for supply chains to function. Topics will include the critical role of information flows throughout the supply chain; the technologies and systems employed for each function of supply chain management, and how to analyze the industrial contexts within which supply chains are situated. Prerequisite: BUS 231 and BUS 232 or BUS 233. Offered annually.

BUS 322 Supply Chain Management Technologies (.75; LCMC course) This course teaches the technologies and systems necessary for supply chains to function. Topics will include the critical role of information flows throughout the supply chain; the technologies and systems employed for each function of supply chain management, and how to analyze the industrial contexts within which supply chains are situated. Prerequisite: BUS 231 and BUS 232 or BUS 233. Offered annually. This course is offered through a consortium partnership.

BUS 322D Directed Lab Study (.25; taught by IWU faculty) This class is linked to BUS 322, Supply Chain Management Technologies, and consists of a directed study and discussion to develop a deeper understanding of the concepts and skills taught in the class. Offered annually.

BUS 323 Supply Chain in Action (1) This course teaches the operation of supply chains in real world situations. Through case studies, students will learn the contexts of business, national, and international settings. Included will be topics such as supply chains in relation to competition, product development, financing, logistics in delivering materials critical to global health, and disaster recovery. Prerequisites: BUS 231. Offered annually.

BUS 324 Supply Chain in Action (.75; LCMC course) This course teaches the operation of supply chains in real world situations. Through case studies, students will learn the contexts of business, national, and international settings. Included will be topics such as supply chains in relation to competition, product development, financing, logistics

in delivering materials critical to global health, and disaster recovery. Prerequisites: BUS 231. Offered annually. This course is offered through a consortium partnership.

BUS 324D Directed Lab Study (.25; taught by IWU faculty) This class is linked to BUS 324, Supply Chain in Action, and consists of a directed study and discussion to develop a deeper understanding of the concepts and skills taught in the class. Offered annually.

BUS 330 Funding Startups and Nonprofits (1) 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. Offered each fall.

BUS 331 Marketing: Principles and Management (1) Functions and activities of the consumer, retailer, and wholesaler. Consideration of development of marketing programs including product planning, marketing communications, and pricing policies. Prerequisite: sophomore standing. Offered each semester.

BUS 332 Marketing in Services Industries and Not-for-Profit Organizations (1) 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.

BUS 333 Marketing Channels (1) (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.

BUS 334 Marketing and Social Responsibility (1) 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.

BUS 335 Consumer Behavior (1) 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.

BUS 338 Negotiation in Business and Sales (1) 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.

BUS 339 Seminar in Marketing (1) 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.

BUS 340 Starting a Business (1) 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. Offered each spring.

BUS 341 Organization and Management (1) 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. Prerequisite: sophomore standing. Offered each semester.

BUS 344 Human Resources Management (1) 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 occasionally.

BUS 349 Seminar in Management (1) 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.

BUS 355 Business Law I (1) (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. Offered each semester.

BUS 356 Business Law II (1) 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.

BUS 358 Sales Leadership (.75; 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.

BUS 358 DI Directed Study Lab (.25; 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.

BUS 359 Advanced Relationship-Drive Professional Selling (1) 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.

BUS 360 Travel Seminar (1) 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.

BUS 370 Special Topics (1) 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.

BUS 397 Internship in Industry (.25, .5, .75, 1) May not be counted as credit for any SoBE-related major or minor. Credit/No credit. Registration must be completed prior to the beginning of the internship. Prerequisites: consent of instructor and a minimum of six SoBE-related courses (ACC, ECON, BUS, FIS). Offered each semester. May also be taken in summer sessions for an additional tuition charge.

BUS 440 Project in Entrepreneurship (I) 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 and BUS 340. Offered each spring.

BUS 451 International Business (I) (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.

BUS 455 Independent Study (I) Individual study directed toward a specific topic. Pre-requisite: Consent of department chair. Offered each semester and Summer Term.

BUS 490 Strategy and Policy (I) 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: Any business-related major in the School of Business and Economics; senior standing; BUS 303, 331 and 341 or consent of department head. Offered each semester.

CHEMISTRY AND BIOCHEMISTRY

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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.

Major Sequence in Chemistry:

The regular chemistry major consists of the following courses:

- 1) Chemistry 202*, 311, 312
- 2) Chemistry 301, 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, 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, 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 212
- 4) One from the following: Biology 307, 311, 313, 330, 331, 332, 410, 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.

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

CHEM 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.

CHEM 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.

CHEM 135 Water Quality (1) (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.

CHEM 138 Better Living Through Green Chemistry (1) (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.

CHEM 140 Chemistry in the Kitchen (1) (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.

CHEM 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.

CHEM 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.

CHEM 300 Chemistry Seminar (Fall 0) (Spring, 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.

CHEM 301 Quantitative Analysis (1.25) 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.

In the laboratory component, students will make chemical measurements using both wet chemical techniques and instruments routinely employed in industry and research, analyze them statistically, and interpret their significance. Prerequisite: CHEM 202. Offered each fall.

CHEM 304 Instrumental Analysis (1) 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.

CHEM 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.

CHEM 317 Survey of Biochemistry (1) 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.

CHEM 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.

CHEM 322 Physical Chemistry II: Kinetics (1) Kinetic molecular theory, mass transport, experimental and theoretical chemical kinetics. Prerequisites: CHEM 202, PHYS 102 or 106, MATH 177. Offered each Spring.

CHEM 323 Quantum Mechanics (1) (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.

CHEM 324 Statistical Physics (1) (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.

CHEM 332 Inorganic Chemistry (1) 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.

CHEM 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 as needed.

CHEM 397 Internship in Chemistry (.5, 1) 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.

CHEM 399 Research (.5) (1) Research under faculty supervision on a topic chosen by the research advisor, or by the student in arrangement with the supervisor. A public presentation to the department and other research students at the end of the semester and a formal report describing the work are required. Prerequisite: Consent of instructor. Offered each semester.

CHEM 413 Advanced Organic Chemistry (1) 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 trans-formations and strategy, and bio-organic/medicinal chemistry. Prerequisite: C- or better in CHEM 312. Offered alternate years.

CHEM 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.

CHEM 415 Biochemistry II (1) 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.

CHEM 432 Advanced Inorganic Chemistry (1) 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.

CHEM 460 Better Living Through Green Chemistry (.5) The practice of green chemistry has led to the development of numerous environmentally safe processed and chemicals that have greatly improved the quality of human health. This course will introduce students to green chemistry concepts. The impact of green chemistry on human health and society will be highlighted with several case studies. Offered occasionally.

CHEM 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.

CHEM 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.

CHEM 499 Research (.5, 1) (W) Research under faculty supervision on a topic chosen by the research advisor, or by the student in arrangement with the supervisor. A public presentation to the department and other research students at the end of the semester, and a formal report describing the work are required. Students must complete 1 unit to earn Writing Intensive (W) credit for this course. Prerequisite: Consent of instructor. Offered occasionally.

COMMUNICATION

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Communication prepares students to participate in a complex and increasingly mediated national and global context, to succeed in the areas of public relations, strategic communication, and journalism, in careers with employers such as media companies, sports teams, government agencies, foundations, and not-for-profits. All students learn the critical skills needed

to create media content in written, visual, and digital forms. Students will develop analytical and production skills in both traditional and new media forms (visual media, digital, print and journalism, social and interactive media). Students majoring in Communication are encouraged to enhance their course of study by completing a minor in Creative Writing, Film Studies, or Graphic Design. A distinctive feature of this program is an array of co-curricular activities that support student interests in various types of media, from creating radio and livestream broadcasts, to writing and editing for the student newspaper and student-edited journals, to on-campus internships in communications and public relations.

Major Sequence in Communication:

A minimum of 10 courses, covering at least four subject areas (ART, BUS, ENGL, FLM, HIST, JOUR, LC, PSCI, SOC, etc) with no more than four courses taken in JOUR, no more than three courses taken in any other single subject, and a minimum of four courses at the 300-400 level. No more than two internships may count toward the major. Courses that are not listed below but are appropriate and available may be considered for inclusion.

1. JOUR 211: Writing for Media
2. Two courses in Strategic Communication and/or Journalism:
 - JOUR 212: Opinion Writing
 - JOUR 315: Public Relations and Strategic Communication
 - JOUR 325: Feature Writing and In-depth Reporting
3. One course in Storytelling/Narrative Craft:
 - ENGL 201: Writing Fiction
 - ENGL 206: Creative Nonfiction
 - ENGL 214: Digital Storytelling
 - THEA 342: Screenwriting
4. One course in Design:
 - ART 141: Graphic Design
 - ART 240: Digital Photography
 - ART 242: Web Design
5. Two Courses in Communication Application: This requirement emphasizes media and new media production and/or marketing.
 - BUS 331: Marketing: Principles and Management
 - ENGL 335: Internship in Professional Writing
 - ENGL 374: Literacy Editing and Publishing*
 - JOUR 213: New Media
 - JOUR 397: Internship in Editing and Publishing
 - PSCI 398/SOC 398: Grant Writing*
6. One course in Audience and Analysis: This requirement emphasizes the theoretical, historical, social, and cultural context within which various media and new media forms are produced and experienced.
 - ENGL 109: Poetry through Performance
 - FLM 110: Film Aesthetics
 - FLM 320: Film Theory*

HIST 154: Film and History, US
HIST 249: Growing Up in America
HIST 255: Museums: Making History Come Alive!
LC 250: Intercultural Communication
SOC 250: Media and Popular Culture
SOC 333: Youth Subcultures

7. One Elective - may be selected from any of the courses listed above in 2-6, or from the following:

ART 241: Graphic Design II: The Image & Design*
ART 242: Graphic Design: Advanced Web Design (or equivalent through LCMC)*
FLM 330: Videography*
FLM 431: Directed Study in Video Production*

8. ENGL 401: Senior Writing Project*

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

COMPUTER SCIENCE

Shallue, Law, Liffiton, 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.

CS 125 Introduction to Computer and Data Sciences (1) (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.

CS 126 Introduction to Computer Science Using the Web (1) (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.

CS 127 Computer Science I (1) (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.

CS 128 Computer Science II (1) 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.

CS 135 Applications of Sets, Logic, and Recursion (1) (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.

CS 136 Computational Discrete Mathematics (1) (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.

CS 222 Ethics, Values and Issues in Cybertechnology (1) (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.

CS 229 Data Structures (1) 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.

CS 253 Software Development (1) (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.

CS 256 Computer Organization and Architecture (1) 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.

CS 314 Database Systems (1) 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.

CS 330 Computer Networking (1) 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.

CS 338 Artificial Intelligence (1) 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.

CS 354 Algorithm Design and Analysis (1) 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.

CS 355 Programming Languages (1) 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.

CS 357 Models of Computing (1) (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.

CS 360 Topics in Logic (1) 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 chosen at registration. Prerequisite: CS 128 and CS/MATH 135. Offered as needed.

CS 370 Special Topics (1) 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.

CS 377 Applied Data Analysis (1) (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 PSYC 227. Offered in alternate years.

CS 387 Deep Learning (1) 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.

CS 440 Compiler Construction (1) 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.

CS 456 Operating Systems (1) 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.

CS 498 Directed Study (1) 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.

CS 499 Research/Thesis (1) 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, Corvera

Students interested in declaring a Minor or Certificate 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. Dance Courses for the BFA in Music Theatre may be double counted for the Dance Minor up to two units.

Learning Goals for Dance:

1) Enrich students' mind-body connection by building strength, flexibility, endurance, coordination, balance, efficient alignment, anatomical knowledge, body awareness, and spatial awareness.

2) Embolden students to discover and explore their personal artistry, musicality, dynamics, and performance quality.

3 Encourage students to enjoy and embrace dance in all its forms: an art, a pastime, and a profession.

Minor Sequence in Dance:

Five course units to include:

Two course units from the list:

MUTH 132-Jazz Dance I -0.25 unit

MUTH 133-Tap Dance I -0.25 unit

MUTH 134A-Ballet I -0.25 unit

MUTH 134B-Ballet I-0.25 unit

MUTH 135-Modern Dance I-0.25 unit

MUTH 137-Dance Lab-0.25 unit

MUTH 232-Jazz Dance II-0.25 unit

MUTH 233-Tap Dance II-0.25 unit

MUTH 234-Ballet II-0.25 unit

MUTH 235-Modern Dance II-0.25 unit

MUTH 238-Ballroom Dance-0.25 unit

MUTH 331-Broadway Dance Repertory-0.25 unit

MUTH 332-Jazz Dance III-0.25 unit

MUTH 333-Tap Dance III-0.25 unit

MUTH 334-Ballet III-0.25 unit

MUTH 335-Modern Dance III-0.25 unit

MUTH 339-Hip Hop Dance-0.25 unit

MUTH 435-Advanced Contemporary Dance-0.5 or 1 unit

Two course units from the list:

KIN/PETH 325-Kinesiology-1 unit
THEA 101-Theatre Appreciation-1 unit
THEA 276-Dance Appreciation-1 unit
MUTH 336-Dance Composition-1 unit
MUTH 337-Choreography-1 unit

One course unit:

MUTH 495-Dance: Special Projects-0.5 or 1 unit

Certificate Sequence in Dance:

Three course units to include:

One course unit from the list:

MUTH 132-Jazz Dance I-0.25 unit
MUTH 133-Tap Dance I-0.25 unit
MUTH 134A-Ballet I-0.25 unit
MUTH 134B-Ballet I-0.25 unit
MUTH 135-Modern Dance I-0.25 unit
MUTH 137-Dance Lab-0.25 unit
MUTH 232-Jazz Dance II-0.25 unit
MUTH 233-Tap Dance II-0.25 unit
MUTH 234-Ballet II-0.25 unit
MUTH 235-Modern Dance II-0.25 unit
MUTH 238-Ballroom Dance-0.25 unit
MUTH 331-Broadway Dance Repertory-0.25 unit
MUTH 332-Jazz Dance III-0.25 unit
MUTH 333-Tap Dance III-0.25 unit
MUTH 334-Ballet III-0.25 unit
MUTH 335-Modern Dance III-0.25 unit
MUTH 339-Hip Hop Dance-0.25 unit
MUTH 435-Advanced Contemporary Dance-0.5 or 1 unit

Two course units from the list:

KIN/PETH 325-Kinesiology-1 unit
THEA 101-Theatre Appreciation-1 unit
THEA 276-Dance Appreciation-1 unit
MUTH 336-Dance Composition-1 unit
MUTH 337-Choreography-1 unit
MUTH 495-Dance: Special Projects-0.5 or 1 unit

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 303-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: Introduction to 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
- MATH 215: Linear Algebra
- MATH 303: 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: Introduction to 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

MATH 215: Linear Algebra

MATH 303: Computational Data Analysis

DASC 125 Introduction to Computer and Data Sciences (1) (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.

DASC 225 Data Analytics with Visualization (1) 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.

DASC 377 Applied Data Analysis (1) (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.

DASC 395 Directed Study: Data Science Capstone (1) 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

McCannon, Kanengiser, 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, and the publication of an online journal, The Undergraduate Economic Review.

For additional information, see the department web page at:
www.iwu.edu/economics.

Major Sequence in Economics:

A minimum of 10 courses to include:

- 1) ECON100: Introduction to Economics
- 2) ECON 227: Statistics for Business and Economics
- 3) ECON 301: Intermediate Microeconomics
- 4) ECON 302: Intermediate Macroeconomics
- 5) ECON 328: Applied Econometrics
- 6) ECON 401: Senior Project

Four additional Economics courses, at least three at the 300-level or above.

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

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.

Minor Sequence in Financial Economics:

A minimum of six courses to include:

- 1) Economics 100, 301, 302
- 2) Three courses from Economics 311, 328 or 352.

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.

ECON 100 Introduction to Economics (1) (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.

ECON 216 Economics of Abraham Lincoln (1) (CHC) Explore the economics of the life and times of Abraham Lincoln. Topics include the economics of slavery, impact of public expenditures on infrastructure, creation of the U.S. dollar and monetary policy, financing the national government, and the economics of education. Through primary source analysis and scholarly discussion, gain insights into important areas of economic theory and policy focusing on issues important to Abraham Lincoln. This course will include a community engagement component as we visit important, local historical sites. Offered occasionally in the summer.

ECON 227 Statistics for Business and Economics (1) 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.

ECON 270 Special Topics (1) (FR) Specialized applications of economic theory. May be taken for credit more than once if the topics differ. Offered occasionally.

ECON 301 Intermediate Microeconomics (1) Neoclassical analysis of the behavior of house-holds and firms, the determination of prices, and the allocation of resources in a market economy. Prerequisite: 100. Offered each fall.

ECON 302 Intermediate Macroeconomics (1) 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 spring.

ECON 311 Money and Banking (1) 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.

ECON 314 Industrial Organization and Public Policy (1) 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. Offered occasionally.

ECON 315 History of Economic Thought (1) (IT) Explore the evolution of economic ideas from ancient times to the present day. This course surveys major economic thinkers and their contributions, starting with early civilizations like Greece, through the Renaissance, Enlightenment, and into modern economics. Key topics include classical economics, neoclassical economics, Keynesianism, and contemporary developments in institutional economics. Students will understand how economic theories have shaped policy and continue to influence global economic discourse. Prerequisite: ECON 100. Offered occasionally.

ECON 328 Applied Econometrics (1) 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.

ECON 329 Labor Economics (1) 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. Offered occasionally.

ECON 340 Environmental and Natural Resource Economics (1) (Cross-listed with ENST 340) This course investigates environmental and natural resource use decisions, policies, and challenges through the lens of economic theory. We will study different subfields of environmental and natural resource economics, focusing on the relevant economic theories and their practical applications. Topics will include market based policies and valuation of non-market goods. Prerequisites: ECON 100. Offered occasionally.

ECON 351 International Trade (1) The economic factors that induce countries to engage in international trade are examined, along with the various challenges facing the inter-national 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. Offered occasionally.

ECON 352 International Finance (1) 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 occasionally.

ECON 355 Economics of Developing Countries (1) (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. Offered occasionally.

ECON 370 Special Topics (1) Specialized applications of economic theory. May be taken for credit more than once if the topics differ. Prerequisite: 100. Offered occasionally.

ECON 401 Senior Project (1) (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.

ECON 450 Independent Study (1) Advanced individualized study. Prerequisite: Consent of instructor. Offered as needed.

SCHOOL OF EDUCATIONAL STUDIES

Nillas, Evans, Hensee, Neally, Sultana

The School of Educational Studies 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/.

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), music, and physical education.

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/. In most cases, students must be accepted to 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
9. Education 490: Student Teaching Seminar.
10. Education 491, 492, 493, 494, or 495 (3 units): Student Teaching.
11. Education 498: Educational Inquiry (W)

Major Sequence in PK-12 Physical Education (20.5 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 365: Reading, Writing and Communication Across the Curriculum
8. Education 364: Seminar: Curriculum and Pedagogy
9. Education 490: Student Teaching Seminar
10. Education 499 (3 units): Student Teaching
11. Education 498: Educational Inquiry (W)
12. Take all four classes: KIN 100: Introduction to Exercise Science, PETH 201: Theory and Practice of Physical Education, PETH 202: Theory and Practice of Physical Education, PETH 320: Organization and Administration of Athletic and Physical Education Programs

13. Choose two from these courses: KIN 323: Sports Nutrition, KIN/PETH 325: Kinesiology, KIN/PETH 326: First Aid and Athletic Training, KIN/PETH 327: Essentials of Strength and Conditioning (W), KIN 328: Personal Training for Special Populations, KIN/PETH 330: Exercise Physiology
14. Choose one from these coaching courses: PETH 210: Coaching Baseball and Football, PETH 211: Coaching Basketball and Track, PETH 216: Coaching Volleyball and Softball, PETH 290: Introduction to Coaching
15. Choose two from these health courses: HLTH 101 (LSI, U): Introduction to Public Health, HLTH 230 (LSI): Human Nutrition, HLTH 240: Foundations of Health Education and Promotion, HLTH 280 (G): Perspectives in Global Health, HLTH 300: Achieving Wellness (Issues and Choices)

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/.

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), 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 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 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), 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

EDUC 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.

EDUC 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.

EDUC 225 Education and Social Justice (1) (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.

EDUC 250/350/450 Independent Study (1) 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.

EDUC 255 Child Study and Assessment (1) (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.

EDUC 257 Disability Rights (1) (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.

EDUC 270/370/470 Special Topics in Educational Studies (1) 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 online class schedule to determine if this course fulfills general education requirements. May count toward interdisciplinary major and minor. Offered annually.

EDUC 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.

EDUC 330 Mathematics, Science, and Technology Curriculum and Pedagogy in the Elementary Classroom (1) 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.

EDUC 335 Exploring Inquiry and Creativity in the Elementary Curriculum (1) 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.

EDUC 340 Instructional Planning, Assessment and Safe Learning Environments at the Early Childhood and Elementary Levels (1) (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 fall.

EDUC 345 Instructional Planning, and Assessment and Safe Learning Environment at the Middle Grade and Secondary Levels (1) (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. Offered each fall.

EDUC 360 Seminar: Curriculum and Pedagogy in English and Second Language (1) 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. Prerequisites: Acceptance into the Teacher Education Program and four courses in the major. Taken semester prior to student teaching. Offered each spring.

EDUC 361 Seminar: Curriculum and Pedagogy in Social Science (1) 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. 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. Offered each spring.

EDUC 362 Seminar: Curriculum and Pedagogy in Middle Grades and Secondary Mathematics (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. 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. Offered each spring.

EDUC 363 Seminar: Curriculum and Pedagogy in the Natural Sciences (1) 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. 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. Offered each spring.

EDUC 364 Curriculum and Pedagogy in Physical Education (1) Curriculum development, pedagogical theory and practice in PK-12 schools specific to physical education. Curriculum planning, assessment, technology integration, and creating positive learning environments responsive to the individual needs and abilities of all students, including those with diverse physical capabilities. Required field experience. Prerequisites: Acceptance into the Teacher Education Program and four courses in the major or pursuit of PE endorsement. Taken semester prior to student teaching. Offered each spring.

EDUC 365 Reading, Writing and Communication in the Content Areas (1) 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 Summer Term.

EDUC 373 Education and International Development (1) (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.

EDUC 397/497 Internship (.75), (1) 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.

EDUC 490 Student Teaching Seminar (1) 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.

EDUC 491 Student Teaching: Secondary English Language Arts (3) 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.

EDUC 492 Student Teaching: Secondary Social Science (3) 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.

EDUC 493 Student Teaching: Second Language (3) 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.

EDUC 494 Student Teaching: Secondary Mathematics (3) 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.

EDUC 495 Student Teaching: Secondary Science (3) 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.

EDUC 496 Student Teaching Elementary (3) 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.

EDUC 498 Educational Inquiry (1) (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.

EDUC 499 Student Teach-Physical Education (3 credits) Full-time immersion and induction into the range of experiences associated with public school teaching at all levels of PK-12 school physical education classes, under the guidance and direction of a cooperating teacher and university supervisor. Teacher Performance Assessment portfolio. Chicago placement option. Concurrent enrollment in EDUC 490 required. Prerequisites: acceptance to Student Teaching. Offered each fall.

Reading Courses

REA 272 Child and Adolescent Literature (1) (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 (1) 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 (1) 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, Diaz, Klimchynskaya, 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/) 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), 302-312, 335, JOUR 315, JOUR 325, and JOUR 397.
7. One additional course in writing from 101, 201-206, 301-312, 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 (301-312)

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

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

ENGL 109 Poetry through Performance (1) (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.

ENGL 110 The Short Story (1) (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.

ENGL 111 Latinx Fiction from 1980 – Present (1) (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.

ENGL 115 Science Fiction (1) (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.

ENGL 120 Women in Literature (1) (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.

ENGL 132 The Healing Art: Illness Narratives in Film and Literature (1) (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.

ENGL 133 Crime and Punishment: Searching for Justice in Film and Literature (1) (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.

ENGL 139 Freaks! (1) (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.

ENGL 170 Special Topics in Literature (1) (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

ENGL 220 Literature and Its Signs (1) (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.

ENGL 224 Shakespeare and Film (1) (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.

ENGL 232 British Drama 1950 – Present (1) (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.

ENGL 233 American Drama: 1940 – Present (1) (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.

ENGL 234 Latinx Drama: 1965 – Present (1) (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.

ENGL 243 What’s Love Got To Do With It?: English Poetry, 1500-1700 (1) (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.

ENGL 252 Slavery in US Literature and Film (1) (Cross-listed with HIST 252) (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.

ENGL 254 Web of American Poetry (1) (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.

ENGL 257 Promised Lands: A Cultural and Literary History of the Great Migration, 1917-1970 (1) (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.

ENGL 280 Understanding Literature (1) (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. Prerequisite: Gateway Colloquium. Offered each semester.

ENGL 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 Summer Term.

ENGL 374 Literary Editing and Publishing (1) (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.

343-356 Historical Periods and Movements

ENGL 343 Restoration and 18th Century (1) (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.

ENGL 344 Romantic Literature (1) (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.

ENGL 345 The Global Renaissance (1) (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.

ENGL 351 Manifest Destinies: American Literature to 1865 (1) (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.

ENGL 352 American Literature after 1865 (1) (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.

ENGL 354 American Literature since 1945 (1) (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.

ENGL 355 Native American Literature (1) (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.

ENGL 356 Modernism (1) (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.

Special Topics

ENGL 370 Special Topics in Literature (1) (Cross-listed with ENST 370 and HIST 370) 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 online class schedule to determine if this course fulfills general education requirements. Offered occasionally.

ENGL 381 Thinking Queer/Reading Queer (1) (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

ENGL 393 Love, Marriage, Sex, Power: Shakespeare's Comedies and Histories (1) (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.

ENGL 394 Death, Gender, Power: Shakespeare's Tragedies and Romances (1) (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

ENGL 480 Senior Seminar (1) (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.

ENGL 485 Directed Study in English (1) 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 Summer Term.

Creative Writing

ENGL 101 Introduction to Creative Writing (1) (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.

ENGL 201 Writing Fiction (1) (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.

ENGL 202 Writing Poetry (1) (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.

ENGL 206 Creative Nonfiction (1) (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.

ENGL 214 Digital Storytelling (1) (AR, W) (Cross-listed with JOUR 214) 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.

ENGL 301 Special Topics in Creative Writing (1) (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.

ENGL 302 Fiction and Field Study (1) (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.

ENGL 303 Flash Fiction and Micro-Memoir (1) (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.

ENGL 305 Interrelated Short Stories (1) (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.

ENGL 310 Forms of Poetry (1) (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.

ENGL 311 Poetics of Engagement (1) (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.

ENGL 312 Ekphrastic Poetry (1) (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.

ENGL 401 Senior Writing Project (1) (W) Capstone experience for Communication and English-Writing majors, and/or 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. Multi-genre, emphasizing feedback and support. Prerequisites: At least one ENGL or JOUR 300-level writing course and junior or senior standing, or permission of instructor. Offered annually.

Journalism

JOUR 211 Writing for Media (1) (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 (1) (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 (1) 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 214 Digital Storytelling (1) (AR, WI) (Cross-listed with ENGL 214) 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.

JOUR 315 (1) 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 (1) (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

ENGL 335 Internship in Professional Writing (1) 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 Summer Term.

JOUR 397 Internship in Editing and Publishing (1) 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, and affiliated faculty (Engen, Fuist, 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/PSCI 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/BIO 120: Ecology and Environmental Problems
3. ENST 397: Internship or ENST 480: Senior Seminar: Creating a Sustainable Society.
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.

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/CHEM 234: Environmental Chemistry and Toxicology
ENST 240: Health and the Environment
ENST 241: War on Cancer: Does Environment Matter?
ENST 300: Applied Geographic Information Systems
ENST/BIOL 318: Field Ornithology*
ENST/BIOL 321: Conservation Biology and Restoration Ecology*
BIOL 324: Principles of Ecology*
ENST/BIOL 329: Stream Ecology*

Humanities and Social Science Elective

ENST/PSCI 260: American Environmental Politics and Policy
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/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 340: 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 370: Special Topics
ENST 397: Internship*
ENST 450: Independent Study*
ENST 451: Independent Research and Writing*

Concentration in the Major - Ecology

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 314: Microbiology*
 ENST/BIOL 318: Field Ornithology*
 BIOL 327: Experimental Ecology*
 ENST/BIOL 329: Stream Ecology*
 BIOL 345: Behavioral Ecology*

One course from the Humanities and Social Science Electives list above.
Substitutions may be made from the list of Common Substitutions (above).

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

Concentration in the Major - Global Sustainability, Policy, and Justice

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/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: One 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

Concentration in the Major - Nature and Society

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.

ENST 100 Environment and Society (1) (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.

ENST 115 Energy and Society (1) (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.

ENST 120 Ecology and Environmental Problems (1) (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.

ENST 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.

ENST 135 Water Quality (1) (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.

ENST 138 Better Living Through Green Chemistry (1) (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.

ENST 200 Introduction to Geographic Information Systems (1) (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.

ENST 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.

ENST 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.

ENST 240 Health and the Environment (1) (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.

ENST 241 War on Cancer: Does Environment Matter? (1) (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.

ENST 250 Directed Readings in Environmental Studies (1) 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.

ENST 260 American Environmental Politics and Policy (1) (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.

ENST 288 Consuming Passions: The Anthropology of Food (1) (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.

ENST 300 Applied Geographic Information Systems (1) 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.

ENST 318 Field Ornithology (1) (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 Summer Terms.

ENST 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.

ENST 329 Stream Ecology (1) (W) (Cross-listed with BIOL 329) 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.

ENST 340 Environmental and Natural Resource Economics (1) (Cross-listed with ECON 340) This course investigates environmental and natural resource use decisions, policies, and challenges through the lens of economic theory. We will study different subfields of environmental and natural resource economics, focusing on the relevant economic theories and their practical applications. Topics will include market based policies and valuation of non-market goods. Prerequisites: ECON 100. Offered in alternate years.

ENST 361 Globalization and the Environment (1) (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.

ENST 362 Global Environmental Sustainability and Asian Development (1) (CSI, G) (Cross-listed with PSCI 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.

ENST 363 Responses to Climate Change (1) (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.

ENST 365 Ethical Dilemmas in Environmental Politics (1) (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.

ENST 367 Environmental Sociology (1) (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.

ENST 370 Special Topics (1) (Cross-listed with ENGL 370 and HIST 370) An examination at the advanced level of selected environmental topics not covered in Environmental Studies courses. See current online class schedule to determine if this course fulfills General Education requirements. Offered occasionally.

ENST 397 Internship (1) 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.

ENST 450 Independent Study (1) 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.

ENST 451 Independent Research and Writing (1) (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.

ENST 480 Senior Seminar: Creating a Sustainable Society (1) (W) Students conduct literature research and writing on an environmental topic of their choice, with a public-facing emphasis. Senior Seminar emphasizes peer review, professional development, critical thinking, and writing informed by peer-reviewed literature. Students are encouraged to bring in data and information from previous courses, internships, research, etc. Open to majors and minors or with permission of the instructor. 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

McCannon, Gu, Irons, Nigam

Lower-level (100-200) courses in the department are open to all students. A small percentage of seats in upper-level (300-400) courses are reserved to

accommodate students not majoring in finance.

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.

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: (1) Gateway Colloquium; (2) Mathematics 110, 176, or university credit for AP Calculus; (3) Economics 100; (4) Economics 227; (5) Accounting 112; and (6) Accounting 212 with a grade of C- or higher. In addition, a student's cumulative GPA in these six courses must equal or exceed 2.50.

Major Sequence in Finance:

A minimum of 12 courses to include:

- 1) ACC 112, 212, BUS 331, 341, 355, 490, FIS 303 and 309
- 2) Four course units from ECON 311, 328, 352, or any FIS course at the 200-300-400 level

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

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

Finance majors may not count more than 2 ECON classes toward completion of their major.

Major Sequence 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:

- 1) FIS 303: Financial management
- 2) FIS 309: Investments
- 3) FIS 409: Portfolio Management
- 4) FIS 415: Quantitative Finance
- 5) Math 176: Calculus I
- 6) Math 177: Calculus II
- 7) Math 324: Probability
- 8) Math 325: Mathematical Statistics
- 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
- 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 303-Computation Data Analysis
 - Math 307-Numerical Methods
 - CS 314-Database Systems
 - CS 338-Artificial Intelligence
 - CS 387-Deep Learning
 - ECON 301-Intermediate Microeconomics
 - ECON 302-Intermediate Macroeconomics

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 304: Risk Management/Property-Liability
FIS 305: Financial Statement Analysis
FIS 306: Cases in Financial Modeling
FIS 307: Life/Health/Social Insurance
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)

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 (1) 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 (1) 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 (1) 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 (1) 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. Prerequisites: ACC 112, ECON 100, and ECON 227. Offered each semester.

FIS 304 Risk Management and Property/Liability Insurance Seminar (1) 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 occasionally.

FIS 305 Financial Statement Analysis (1) 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 (1) 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 (1) 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 occasionally.

FIS 308 Derivatives (1) 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 (1) 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 370 Special Topics in Finance (1) 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 397 Internship in Industry (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. Prerequisites: Junior or senior standing and consent of instructor, mini-mum of six accounting, finance, business or economics courses. Offered each semester and Summer Term. May also be taken in the summer for an additional tuition charge. See department head for specific requirements.

FIS 409 Portfolio Management (1) (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 (1) 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 (1) 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 (1) 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 (1) Individual Study directed toward a specific topic in finance. Prerequisite: consent of department chair. Offered each semester and Summer Term.

GATEWAY COLLOQUIUM (GW)

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.

GW 100 Gateway Colloquium (1) 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.

HEALTH

See Public Health and Health

HISPANIC STUDIES

See World Languages, Literatures, and Cultures

HISTORY

A. Schultz, Coles, Culp, Yokota

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 Sotheby'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/). 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.

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 and be selected from the following: 100, 120, 151, 160, 212, 214, 216, 217, 220, 311, 318, 324, (170, 270, or 370 when topics are appropriate and approved by the Chair)
5. No more than six courses may be focused on a single geographic region (e.g., US, Europe)

*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.

HIST 100 Introduction to Chinese History (I) (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.

HIST 101 Introduction to Japanese History (I) (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.

HIST 120 The Ancient and Medieval West (I) (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.

HIST 122 Modern Global History (I) (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.

HIST 144/344 The Making of Modern America, 1865-1920 (I) (CHC, U) This course examines the Gilded Age and Progressive Era, a period of wrenching transition when Americans grappled with the gap between rich and poor, mass immigration and urban growth, conflicts around race and gender, and the role of the United States in the world. The traumas and triumphs of this half century gave rise to modern America, and its legacies are still very much with us today. Students enrolled at the 300-level will complete a research project and help prepare developmentally appropriate material for the 100-level students. Prerequisite for HIST 344: HIST 290 or permission of instructor. Offered every other year.

HIST 151 Colonial and United States, 1500-1876 (I) (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.

HIST 152 United States, Development/Experiences 1877-Present (I) (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.

HIST 154 Film and History, U.S. (I) (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.

HIST 160 Latin America (I) (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.

HIST 170 Studies in History (I) 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 online class schedule to determine if this course fulfills general education requirements. Offered occasionally.

HIST 201 Asia's Revolutions (1) (CHC, G) This course engages in the comparative study of modern revolutionary movements in China, North Korea, and Vietnam. Focusing largely on intellectual and social history, it deals with theories of political economy and their relation to state and popular dynamics to ask questions about the new worlds envisioned in these polities. Offered annually.

HIST 202 World War II in the Pacific (1) (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.

HIST 203 Ethnic Minorities and the 'Other' in Modern Japan (1) (CHC, G) This course argues that by studying those groups most alienated and discriminated against that one can gain a deeper understanding of any country. This premise will be applied to the study of modern Japan, and will address minority issues, from the premodern period, through colonialism, and into the post-World War II period. Offered annually.

HIST 212 Ancient Greece (1) (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.

HIST 214 Ancient Rome (1) (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.

HIST 216 The World of Alexander the Great (1) (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.

HIST 217 Race, Gender and Ability in the Ancient World (1) (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.

HIST 220 From Pyramids to AI (1) (IT, G) (Cross-listed with HUM 220) For over 12,000 years, humans have wondered, experimented, calculated, and discovered new things about the world around them. This course will trace the path of science, medicine and technology from the agricultural revolution to the creation of artificial intelligence and its impact on the physical world around us. Offered annually.

HIST 221 The Holocaust (1) (CHC, G) 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.

HIST 222 World Wars in Public Memory & Digital History (1) (CHC, G) This course aims to investigate and understand the collective memory of the world wars and

why they maintain such a powerful hold on the popular imagination. We will use oral history, memoir, fiction, film, and digital projects to uncover and share stories from the wars that impact our memory today. Offered annually.

HIST 243 The Stories We Tell: An Introduction to Public History (1) (CHC, U)

An introduction to public history which emphasizes not only the work of public history professionals in museums, historic sites, and heritage centers, and documentary film, but considers their connection to the popular historical narrative we consume in our daily lives—from our holidays and the names of our streets, to Hollywood films and historical fiction. Offered in alternate years.

HIST 244 History of American Feminisms (1) (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.

HIST 249 Growing up in America, 1607-Present (1) (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.

HIST 250 Special Project (1) 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.

HIST 252 Slavery in US Literature and Film (1) (Cross-listed with ENGL 252) (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.

HIST 255 Museums: Making History Come Alive! (1) (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.

HIST 257 Promised Lands: A Cultural and Literary History of the Great Migration, 1917-1970 (1) (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.

HIST 260 Spanish North America (1) (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.

HIST 270 Studies in History (1) 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 online class schedule to see if any particular course fulfills general education requirements. Offered occasionally.

HIST 290 Theories, Methods, Crafting of History (1) (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.

HIST 300 The Chinese Revolution (1) (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. Prerequisite: Gateway Colloquium and sophomore standing or permission of the instructor. Offered annually.

HIST 302 Theories of Nationalism and Modern Japanese History (IT, G) Nationalism remains the main modern mode of organizing peoples in the world. This course will introduce students to the theoretical literature on nationalism as applied to the study of modern Japanese history, and will highlight premodern influences, the invention of tradition, and Japan's wartime and postwar role in the world. Prerequisite: Gateway Colloquium and sophomore standing or permission of the instructor. Offered annually.

HIST 311 Art and Architecture of the Roman World (1) (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. Prerequisite: Gateway Colloquium and sophomore standing or permission of the instructor. Offered occasionally.

HIST 318 Blood Rites and Mystery Cults (1) (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. Prerequisite: Gateway Colloquium and sophomore standing or permission of the instructor. Offered occasionally.

HIST 323 History of Nursing (1) (CHC, G) This course will examine the field of nursing from ancient times to the present. We will discuss key medical milestones, shifts in practice, and influential nurses in their own context. Students will explore how social and technological changes shaped nursing roles, standards, and identity around the globe. Prerequisite: Gateway Colloquium and sophomore standing or permission of the instructor. Offered occasionally.

HIST 324 Beyond Disease and Quarantine: A History of Medicine and Public Health (1) (CHC, G) This course will examine the experience of societies concerned with disease and quarantine from Justinian to Covid-19. We will discuss changing ideas about the cause of illness and how best to treat or prevent it. Students will also evaluate historical debates about the consequences of quarantine and public health measures. Prerequisite: Gateway Colloquium and sophomore standing or permission of the instructor. Offered annually.

HIST 325 Modern Germany (1) (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. Prerequisite: Gateway Colloquium and sophomore standing or permission of the instructor. Offered annually.

HIST 343 Migration, Ethnicity, and Race (1) (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. Prerequisite: Gateway Colloquium and sophomore standing or permission of the instructor. Offered in alternate years.

HIST 344 The Making of Modern America, 1865-1920 (1) (CHC, U) See full course description in 144/344. Prerequisite: HIST 290, Gateway Colloquium and sophomore standing or permission of the instructor. Offered every other year.

HIST 350 Women, Work and Leisure, 1890-1930 (1) (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. Prerequisite: Gateway Colloquium and sophomore standing or permission of the instructor. Offered in alternate years.

HIST 351 Modern America, 1900-1945 (1) (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. Prerequisite: Gateway Colloquium and sophomore standing or permission of the instructor. Offered in alternate years.

HIST 352 United States, 1945-Present: People, Power, Politics (1) (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. Prerequisite: Gateway Colloquium and sophomore standing or permission of the instructor. Offered every third semester.

HIST 353, 354 History of United States Foreign Relations (1) (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. Prerequisite: Gateway Colloquium and sophomore standing or permission of the instructor. HIST 353 offered each fall; HIST 354 offered each spring.

HIST 370 Studies in History (1) (Cross-listed with ENGL 370 and ENST 370) 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 online class schedule to determine if this course fulfills general education requirements. Prerequisite: Gateway Colloquium and sophomore standing or permission of the instructor. Offered occasionally.

HIST 371 Theatre History I (1) (Cross-listed with THEA 371) (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.

HIST 372 Theatre History II (1) (Cross-listed with THEA 372) (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.

HIST 374 History of the American Musical (1) (Cross-listed with THEA 374) A study of the musical as a hallmark of American cultural heritage, tracing its evolution from early variety performance all the way to modern film adaptations. Special attention given to how this distinct form mutated from Tin Pan Alley onto Broadway stages and into popular radio, including the events and individuals, genres and practices that combined to create the musical number and its signature sound. Offered in alternate years

HIST 378 History of Costume and Fashion (1) (Cross-listed with THEA 378) (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.

HIST 397 Internship in Public History (1) 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.

HIST 450 Special Project (1) 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.

HIST 490 Capstone Seminar in History (1) (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.

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, 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, 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, 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)

Hispanic Studies

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: The Making of Modern America, 1865-1920 (CHC, U)

HIST 151: Colonial and United States, 1500-1876 (CHC, U)

HIST 152: United States, Development/Experiences, 1877-Present (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 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 244: History of American Feminisms (CHC, U)

HIST 249: Growing Up in America (CHC, U)

HIST 250: Special Project

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 311: Art and Architecture of the Roman World (AR)

HIST 318: Blood Rites and Mystery Cults (CHC)

HIST 325: Modern Germany (CHC, G)

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 370: Studies in History

Humanities

HUM 270: Special Topics in the Humanities

HUM 370: Special Topics in the Humanities

Japanese Studies

LC 105: Special Topics in Japanese Literature in Translation (LIT)

LC 202: From Atom to Akira: Japan's Pop Culture (LIT, G)

LC 308: Fashion and Lifestyle in Japan (CHC, G)

Literature and Culture in English Translation

LC 270: Special Topics

LC 370: Special Topics

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 209: Philosophy of Religion (IT)

PHIL 213: Business Ethics (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 270: Special Topics

PHIL 301: Ethics and the Environment

PHIL 304: Ethical Theory (AV)

PHIL 305: Philosophy of Law (AV)

PHIL 308: Ancient Philosophy (IT)

PHIL 309: Modern Philosophy (IT)

PHIL 310: Social and Political Philosophy (IT, W)

PHIL 311: Philosophy of Mind (IT, W)

PHIL 340: Philosophy of Language (W)

PHIL 350: Knowledge, Belief, and Society (W)

PHIL 351: Metaphysics (W)

PHIL 356: Contemporary Ethics (AV, W)

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 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 343: American Jewish Thought (IT)

REL 370: Advanced Topics in Religion

REL 450: Independent Study

World of Ideas

HUM 101 World of Ideas: The Ancient World (1) (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.

HUM 102 World of Ideas: 11th-16th Centuries (1) (IT) The history of an idea or theme from the Western Middle Ages through the Renaissance. Offered annually.

HUM 103 World of Ideas: 17th-18th Centuries (1) (IT) The important works and movements of the two centuries leading up to the modern era. Offered annually.

HUM 104 World of Ideas: The Modern Era (1) (IT, G) Important works and movements of the 19th, 20th, and the 21st centuries in their historical and cultural context. Offered annually.

HUM 120 First-Year Humanities Fellows Seminar (.5) 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.

HUM 220 From Pyramids to AI (1) (IT, G) (Cross-listed with HIST 220) For over 12,000 years, humans have wondered, experimented, calculated, and discovered new things about the world around them. This course will trace the path of science, medicine and technology from the agricultural revolution to the creation of artificial intelligence and its impact on the physical world around us. Offered annually.

Special Topics in the Humanities

HUM 270 Special Topics-Humanities (1) 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 online class schedule to determine if this course fulfills general education requirements. Offered occasionally.

HUM 271 Digital Humanities (1) (IT) The Humanities have constantly defined and redefined the texts, approaches and questions of what defines the human experience. The Digital Humanities integrate computational techniques: this course develops a wide variety of technical skills in selecting, manipulating, analyzing, visualizing, and sharing data, within the larger Humanities tradition. No Prerequisites. Offered in the Spring.

HUM 272 Maps, Bones, and Windows: London and Paris in the Medieval and Renaissance Periods (1) (IT, G) In this project-based travel course to London and Paris, we will explore major shifts in the religious beliefs, technological innovations, political ideas, philosophical inquiry, and artistic expression of the Medieval and Renaissance periods. Offered every other year.

HUM 370 Special Topics-Humanities (1) 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 online class schedule 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.

Intercultural Competence Academic Certificate

Data from the National Association of Colleges and Employers (NACE) show that employers are seeking college graduates with strong skills in intercultural communication. An Academic Certificate in Intercultural Competence will provide students with the necessary skills and knowledge to communicate effectively with people from different cultural and social backgrounds. An interculturally competent student understands the challenges of communicating across cultures, knows the basic theories of intercultural communication, and applies the skills required to communicate effectively with diverse groups of people in different social contexts. More specifically, by completing the Intercultural Competence Certificate, students will be able to (1) identify their own cultural values, beliefs, and assumptions (self-awareness); (2) develop an awareness of individual cultures and social groups different from their own (awareness of others);

and (3) adapt to be more inclusive of different cultural perspectives (cultural bridging) by acquiring the necessary skills to live and work in a diverse and complex global society.

The International and Global Studies (IGS) program together with the Department of World Languages, Literatures and Cultures (WLLC) offer an Intercultural Competence Academic Certificate to those students who complete the following requirements:

- 1) INST 240 Thinking Globally: An Introduction (CHC, G)
- 2) LC 250 Intercultural Communication (G)
- 3) Experiential learning component. This requirement might be met with one of the following:
 - a) an academic internship with a global focus (UNIV 398 International Supervised Internship, INST 397 Internship, SPAN 397 Internship);
 - b) an independent research project related to culture and communication in a global society (INST 450, SPAN 491 or equivalent); or
 - c) a study abroad experience with an IWU-approved program.

Additional Notes

Students with demonstrated intermediate language competence in Spanish (SPAN 203 or equivalent) might complete the experiential learning component requirement (number 3) by completing one of the following courses: SPAN 230: Medical Spanish and Cultural Competency for Health Care (U); or SPAN 250: Business Spanish and its Cultural Context (G).

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/ART 311: Art and Architecture in the Roman World
 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 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 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 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 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)

INST 222/322 International Human Rights: An Introduction (1) (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.

INST 240 Thinking Globally: An Introduction (1) (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.

INST 260/360 Global Cinema (1) (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.

INST 270 Special Topic (1) 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 online class schedule to determine if this course fulfills general education requirements. Offered occasionally.

INST 330 The Legacy of the Spanish Civil War (1) (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.

INST 370 Special Topic (1) 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 online class schedule to determine if this course fulfills general education requirements. Offered occasionally.

INST 373 Education and International Development (1) (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.

INST 397 Internship (1) 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.

INST 450 Special Project (1) 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.

INST 488 Senior Seminar (1) (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

See page 241.

JAPANESE STUDIES

See World Languages, Literatures, and Cultures

KINESIOLOGY AND ALLIED HEALTH

Kujath, L. Kellar, Dodd, Kauth

The Kinesiology and Allied Health major provides the knowledge and competencies related to a variety of health and fitness environments. A dedicated focus within these disciplines provides the foundation of knowledge necessary for a future profession as a health care provider or a health and fitness professional. These professions could include a Certified Personal Trainer (CPT), Certified Strength and Conditioning Specialist (CSCS), Physical Therapist (PT), Occupational Therapist (OT), Chiropractor Physician Assistant (PA) and others.

Twelve courses are needed to complete the major. Courses in the biology, health, and kinesiology 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 (ACSM) and the National Strength and Conditioning Association (NSCA). The major includes some of the prerequisite courses for professional graduate programs in allied health professions. The requirements within this major allow the opportunity for students to take elective courses within the major that best match the students' area of professional interest.

Major Sequence in Kinesiology and Allied Health

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

Required Core Courses:

- 1) BIOL 107: Human Anatomy and Physiology I
- 2) BIOL 108: Human Anatomy and Physiology II
- 3) KIN 100: Introduction to Exercise Science
- 4) KIN/PETH 325: Kinesiology
- 5) KIN/PETH 327: Essentials of Strength and Conditioning
- 6) KIN/PETH 330: Exercise Physiology
- 7) HLTH 490: Practicum

Students are required to complete 5 elective courses from the list below:

- 1) CHEM 201: General Chemistry I
- 2) CHEM 202: General Chemistry II
- 3) HLTH/PSYC 204: Health Psychology
- 4) HLTH 230: Nutrition
- 5) HLTH 300: Achieving Wellness
- 6) HLTH 370*: Special Topics in Health
- 7) HLTH 397: Internship
- 8) KIN 323: Sports Nutrition
- 9) KIN 328: Personal Training for Special Populations
- 10) PETH 320: Organization and Administration of Athletic and Physical Education Programs
- 11) KIN/PETH 326: First Aid and Athletic Training
- 12) PSYC 358: Psychology of Motivation
- 13) PSYC 380: Sport and Exercise Psychology

*Special topics classes in which health related content may vary and therefore may be more fitting for a particular path over another depending on the semester.

The student should work in consultation with their advisor and the pre-health advisor in choosing the courses that best meet their career and graduate school goals. Suggestions for classes that are best suited for graduate school prerequisites in pre-professional programs are listed below by program.

- 1) Physical Therapy (CHEM 201, CHEM 202, KIN 328, KIN/PETH 326, PSYC 358 or PSYC 380)
- 2) Occupational Therapy (HLTH/PSYC 204, HLTH 300, KIN 328, PSYC 358, PSYC 380)
- 3) Strength & Conditioning/Personal Training (HLTH 230, HLTH 323, HLTH 300, KIN 328, PETH 320, PSYC 358 or PSYC 380)
- 4) Athletic Training (CHEM 201, HLTH 230, KIN/PETH 326, KIN 328, PSYC 358 or PSYC 380)

5) Nutrition/Dietetics (CHEM 201, CHEM 202, HLTH 230, KIN 323, HLTH 300)

6) Sport Psychology (HLTH/PSYC 204, HLTH 300, PETH 320, PSYC 358, PSYC 380)

Minor Sequence in Exercise Science:

This minor consists of a minimum of six courses, including:

- 1) BIOL 107: Human Anatomy and Physiology
- 2) KIN 100: Introduction to Exercise Science
- 3) KIN/PETH 325: Kinesiology
- 4) KIN/PETH 330: Exercise Physiology
- 5) Choose two courses from the following: HLTH/PSYC 204, HLTH 230, HLTH 300, HLTH 370*; KIN 323, KIN/PETH 326, KIN/PETH 327, KIN 328; PSYC 368, PSYC 380

KIN 100 Introduction to Exercise Science (1) This course will explore the foundations of exercise science, including history and philosophy, careers, methods, and professional issues.

KIN 323 Sports Nutrition (1) The goal of this course is to develop an understanding of the appropriate nutrition practices specific to exercise or sport training to promote health, energy and adaptations. This course assumes a basic knowledge of nutrition and expands the student's ability to learn, understand and design nutritional programs for exercise and athletics. Offered in alternate years, spring semester.

KIN 325 Kinesiology (1) (Cross-listed with PETH 325) Use of mechanics and muscular action in balance and movement of the human body. Offered each fall.

KIN 326 First Aid and Athletic Training (1) (Cross-listed with PETH 326) Instruction in administering accepted first aid practices in emergencies and accepted methods for the prevention and corrective treatment of athletic injuries. Offered each fall.

KIN 327 Essentials of Strength and Conditioning (1) (Cross-listed with PETH 327) (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: PETH/KIN 325, PETH/KIN 330, or consent of instructor. Offered each spring.

KIN 328 Personal Training for Special Populations (1) This course will explore assessment, program design and instructional application for professionals working with special population clientele, such as those with disabilities, inherent disease, and those with chronic injured states (i.e. paralysis, neuromuscular disorders, or musculoskeletal concerns). This course assumes a basic knowledge of anatomy, physiology and exercise program design. Offered in alternate years, spring semester.

KIN 330 Exercise Physiology (1) (Cross-listed with PETH 330) 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 spring.

KIN 350 Therapeutic Interventions in Athletic Training (1) This course covers the advanced principles of rehabilitation for the student who aspires to be a coach, athletic trainer, strength and conditioning coach, physical therapist, occupational therapist, or rehabilitation aid. Topics discussed in this course will prepare the student with advanced knowledge and "hands-on" experience in the clinical setting to provide the Therapeutic Interventions of many athletic injuries and/or surgeries that occur to the

physically active, in many sports medicine settings. Prerequisites: BIO 108 or consent of the instructor. Offered every spring.

LITERATURE AND CULTURE STUDIES IN ENGLISH TRANSLATION

See World Languages, Literatures, and Cultures

MATHEMATICS

Roberts, Drici, Jack, Lee, Petentler

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, or 141 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 460, 462, 464, 467, 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 460, 462, 464, 467.

- 5) MATH 315

- 6) Three additional electives selected from Math 300, 303, 307, 310, 312, 324, 325, 340, 460, 462, 464, 467, 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 will not count towards the Mathematics major.

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 303, 324, 325, and ACC 112

5. Two courses selected from MATH 460, 462, 464, 467, 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 460, 462, 464 and 467.

6. Math 315

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 303, 324, 325

5. Two courses selected from MATH 460, 462, 464, 467, 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 460, 462, 464 and 467

6. MATH 315

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 303.

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, 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/) for further information.

The Department of Mathematics maintains two 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.

MATH 105 Mathematical Concepts for Elementary Teachers I (1) 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.

MATH 106 Mathematical Concepts for Elementary Teachers II (1) (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.

MATH 110 Finite Mathematics (1) (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.

MATH 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, meeting once per semester with the math faculty advising group, and completing several reading/discussion assignments. Credit/No Credit only. To be taken in the spring of the first year.

MATH 135 Applications of Sets, Logic, and Recursion (1) (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.

MATH 136 Computational Discrete Mathematics (1) (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.

MATH 140 Introduction to Financial Mathematics (1) (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 dues, 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.

MATH 141 Introduction to Statistics (1) (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.

MATH 142 Calculations and Statistical Methods for Healthcare (1) (FR) This course covers the following mathematical and statistical concepts for nursing: basic quantitative skills such as volume conversions, dosage calculations, and flow rates of

medications, fundamental statistical principles, and a first exposure to more advanced concepts, e.g., the chi-squared test of independence, multivariate analysis and assessment of reliability and validity. Students may not receive credit towards graduation for both this course and MATH 141. Offered each semester.

MATH 176 Calculus I (1) (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.

MATH 177 Calculus II (1) 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.

MATH 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.

MATH 200 Transition to Higher Mathematics (1) (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.

MATH 215 Linear Algebra (1) (FR) Vector spaces, linear mappings, determinants, matrices, eigenvalues, geometric applications. Offered each semester.

MATH 220 Math Immersion II (.25) A continuation of Math 120X. Requirements include accruing at least 5 math immersion points throughout the year, meeting with the advising group once per semester, and completing a sophomore project. The sophomore project must be approved by a project advisor and completed by the end of the sophomore year. To be taken in the spring of the sophomore year. Prerequisite: MATH 120X.

MATH 270/370/470 Topics in Mathematics (1) 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.

MATH 278 Calculus III (1) 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.

MATH 300 Mathematical Modeling (1) 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.

MATH 303 Computational Data Analysis (1) 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.

MATH 307 Numerical Analysis (1) 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.

MATH 310 Combinatorics and Graph Theory (1) 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.

MATH 312 Combinatorial Designs (1) 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.

MATH 315 Advanced Linear Algebra (1) A continuation of Math 215 focused on mathematical theory and its applications. The course is also meant to extend students' ability to comprehend and write proofs. Topics may include, but are not limited to, orthogonality and inner product spaces, symmetric matrices and quadratic forms, eigenvalues and spectral theory, the geometry of vector spaces, and optimization. Prerequisites: Math 215. Offered in alternate years, spring semester.

MATH 320 Math Immersion III (.25) A continuation of Math 220. Requirements include accruing at least 5 math immersion points throughout the year, meeting with the advising group once per semester, and completing several reading/discussion assignments. To be taken in the spring of the junior year. Prerequisite: MATH 220.

MATH 321 Math Immersion III B (.5) Requirements include accruing at least 5 math immersion points throughout the year, meeting with the math faculty advising group once per semester, and completing reading/discussion assignments. An independent project must be approved by the project advisor and completed by the end of the junior year. To be taken spring of the junior year. Intended specifically for transfer students or students who declare a math major during their junior year. Prerequisite: Permission of the Chair of the Department. Offered each spring semester.

MATH 324 Probability (1) 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. Pre-requisites: MATH 177. Offered each fall.

MATH 325 Mathematical Statistics (1) 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.

MATH 340 Differential Equations (1) 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.

MATH 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.

MATH 420 Math Immersion IV (.25) A continuation of Math 320. Requirements include accruing at least 5 math immersion points throughout the year, meeting with

the advising group once per semester, and leading at least one discussion for all math immersion students. To be taken in the spring of the senior year. Prerequisite: MATH 320.

MATH 460 Modern Algebra (1) Groups, rings, ideals, integral domains, fields. Prerequisites: MATH 177, 200, and 215. Offered in alternate years, spring semester.

MATH 462 Introduction to Complex Analysis (1) 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, 215, and 278. Offered in alternate years, spring semester.

MATH 464 Introduction to Real Analysis (1) A rigorous study of the real number system, functions, limits, continuity, derivatives, integrals, sequences, and series. Prerequisites: MATH 200, 215, and 278. Offered in alternate years, fall semester.

MATH 467 Geometry and Topology (1) 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 200, 215, and 278. Offered in alternate years.

MATH 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.

MATH 499 Research/Thesis (1) 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. All Military Science classes are conducted on Illinois State'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.

ROTC 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.

ROTC 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.

ROTC 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.

ROTC 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.

ROTC 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.

ROTC 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.

ROTC 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.

ROTC 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

Campbell, Kammin, Lewis, Nelson, Parrott, Ponce, Radoslavov, Risinger, 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 ensemble musicians, as well as preparing them to their own 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 Jiyoung 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 Piano, Vocal or Instrumental 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 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 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, String 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 or for any students pursuing applied lessons beyond their degree requirement, an applied lesson fee will be charged (see page 17).

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 24 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 Music 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. 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. One unit Vocal Diction (MUS 190)
- K. One-half unit opera theatre work
- L. One unit Vocal Pedagogy 325

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/).

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.” Students must also fulfill general education requirements for BME, see page 103. 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/). A minimum of 30 course

units in music specialization and professional music education to include:
Degree Requirements

A minimum of 30 course units in music to include:

- 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 or 202; 203; 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 034 (.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, 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 121

Basic Musicianship

MUS 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.

MUS 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.

MUS 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. 100A-Offered each fall; 100B-Offered each spring.

MUS 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.

MUS 103 Theory I (1) 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.

MUS 104 Theory II (1) 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.

MUS 124 Life Soundtracks (1) (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.

MUS 201 Survey of Western Art Music I (1) (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.

MUS 202 Survey of Western Art Music II (1) (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.

MUS 203 Theory III (1) 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.

MUS 204 Theory IV (1) Twentieth century compositional/harmonic techniques, advanced formal analysis; aural skills instruction is integrated with written work. Prerequisite: MUS 203. Offered each spring.

MUS 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.

MUS 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.

MUS 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.

MUS 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.

MUS 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.

MUS 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, and Summer term.

Music Theory and Composition

MUS 211 Composition II (.5) Includes weekly seminar class and continued creative work in composition. Prerequisite: MUS 112 or consent of instructor. Offered each fall.

MUS 212 Composition III (.5) Includes weekly seminar class and continued creative work in composition. Prerequisite: MUS 211 or consent of instructor. Offered each spring.

MUS 216 Jazz Improvisation (1) 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.

MUS 301 Modal and Tonal Counterpoint (1) 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.

MUS 302 Classical Form and Analysis (1) 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.

MUS 303 Jazz Piano (1) 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.

MUS 305 Jazz Theory, Harmony and Arranging (1) 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.

MUS 309 Orchestration (1) 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 every spring.

MUS 311 Composition IV(1) Includes weekly seminar class and continued creative work in composition. Prerequisite: MUS 212 or consent of instructor. Offered each fall.

MUS 312 Composition V (1) Includes weekly seminar class and continued creative work in composition. Prerequisite: MUS 311 or consent of instructor. Offered each spring.

MUS 313 Electroacoustic Music (1) 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.

MUS 411 Composition VI (1) Includes weekly seminar class and continued creative work in composition. Prerequisite: MUS 312 or consent of instructor. Offered each fall.

MUS 412 Composition VII (1) Includes weekly seminar class and continued creative work in composition. Prerequisite: MUS 411 or consent of instructor. Offered each spring.

Music Education

MUS 132 Foundations and Principles of Music Education (1) 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.

MUS 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.

MUS 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.

MUS 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.

MUS 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 every fall.

MUS 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.

MUS 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 every fall.

MUS 232 Elementary General Music Methods (1) 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.

MUS 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.

MUS 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.

MUS 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.

MUS 333A Instrumental Music Methods (1) 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.

MUS 333B Choral Music Methods (1) 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.

MUS 427 Practicum in Music Education (.25, .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.

MUS 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 every spring.

MUS 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.

MUS 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

MUS 164 The Gourmet Listener (1) (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 every semester.

201 Survey of Western Art Music I (1) (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.

MUS 202 Survey of Western Art Music II (1) (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.

MUS 214 Understanding the History of Hip Hop (1) (AR, U) Hip Hop has emerged as a cultural force with global impact, influencing music, fashion, art, and social movements. This course aims to provide students with a comprehensive understanding of the history, evolution, and significance of Hip Hop culture. By delving into its roots in African American and Latino communities in the Bronx during the 1970s to its status as a dominant cultural phenomenon, students will explore how Hip Hop has shaped and been shaped by broader social, political, and economic contexts. Offered each spring semester.

MUS 245/345 World Music (1) (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.

MUS 250 Special Topics in Music (1) Dedicated to specific topics, periods, styles or ideas in music. May be repeated for credit if the topic is not duplicated. See current online class schedule to determine if this course fulfills general education requirements. Offered occasionally.

MUS 264 Jazz History (1) (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.

MUS 266 Race Records and the Music of Black America (1) (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.

MUS 350 Special Topics in Music (1) 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 online class schedule to determine if this course fulfills general education requirements. Offered occasionally.

MUS 358 History of Musical Style VI: Post-World War II to the Present (1) 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.

MUS 358w History of Musical Style VI: Post-World War II to the Present (1) (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.

MUS 370 Special Topics in Music (1) 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.

MUS 372 Vienna, Budapest, Prague: Music, Arts, and Culture in Imperial

Capitals of Central Europe (1) (IT) This course will examine nationalism and cultural identity through the music, culture, religion, and politics of Central Europe. As European capitals and seats of the former Habsburg Dynasty, Vienna, Budapest, and Prague are excellent locations to explore intellectual traditions that developed in these cities, from imperialism to the modern world. Offered occasionally.

MUS 385 Romanticism in Music (1) 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.

MUS 385w Romanticism in Music (1) (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.

MUS 386 Modernism, Post-Modernism, and Contemporary Trends in Music (1)

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.

MUS 386w Modernism, Post-Modernism, and Contemporary Trends in Music

(1) (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.

MUS 387 Instrumental Music (1) 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.

MUS 387w Instrumental Music (1) (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.

MUS 388 Music and the Stage (1) 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.

MUS 388w Music and the Stage (1) (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.

MUS 450 Independent Study (.5) (I) 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

MUS 100 Minor Study (.25, .5) 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 (one hour private lesson each week for 0.5 unit). Depending on the area of study, some combination of jury, technical examination, and weekly repertoire class is required. Offered each semester.

MUS 100X Minor Study (0) 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. After completing this course, it will not be possible to substitute it for MUS 100. Offered each semester.

MUS 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.

MUS 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.

MUS 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.

MUS 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.

MUS 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.

MUS 300 Minor Study (.25, .5) A continuation of 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 (one hour private lesson each week for 0.5 unit). Depending on the area of study, some combination of jury, technical examination, and weekly repertoire class is required. Prerequisite: Four semesters of minor study (MUS 100) or consent of instructor. Offered each semester.

MUS 300X Minor Study (0) 300X Minor Study. A continuation of 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. Prerequisite: Four semesters of minor study (MUS 100) or consent of instructor. After completing this course, it will not be possible to substitute it for MUS 300. Offered each semester.

MUS 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.

MUS 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.

MUS 391, 393 Junior Applied Major (1) 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.

MUS 395X Junior Recital (0) 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.

MUS 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.

MUS 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.

MUS 491, 493 Senior Applied Major (1) 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.

MUS 495X Senior Recital (0) 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

MUS 366 Piano Pedagogy (1) 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.

MUS 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.

MUS 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

MUS 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 fall.

MUS 190 Lyric Diction for Singers (1) A laboratory course in English, French, German, and Italian diction for singers, utilizing the International Phonetic Alphabet. Offered in alternate years, spring.

MUS 325 Vocal Pedagogy (1) A course designed to foster the development of a practical philosophy of singing and teaching. Prerequisite: MUS 225. Offered each fall.

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.

MUS 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.

MUS 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.

MUS 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.

MUS 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.

MUS 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.

MUS 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.

MUS 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.

MUS 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 three 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 80 of this Catalog for a full description of the general education category, “The Arts”.

NEUROSCIENCE

Schwend, 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 412: Molecular Genetics
- BIOL 311: Foundations of Learning
- BIOL 313: Advanced Behavioral Neuroscience
- BIOL 314: Advanced Human Neuroscience
- BIOL 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 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 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.

NEUR 110 Foundations for Nonmajors (1) 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.

NEUR 213 Behavioral Neuroscience (1) (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.

NEUR 311 Foundations of Learning (1) (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.

NEUR 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.

NEUR 314 Advanced Human Neuroscience (1) (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.

NEUR 316 Neuropsychopharmacology (1) (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.

NEUR 321 Brain Injury and Recovery (1) (W) (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.

NEUR 329 Special Topics in Behavioral and Cognitive Psychology and Neuroscience (1) (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 online class schedule to determine if this course fulfills General Education requirements.

NEUR 395 Directed Study (1) 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.

NEUR 399 Off Campus Research (.5) 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.

NEUR 400 Senior Capstone in Neuroscience (1) (W) Intensive study of a particular topic culminating in a grant proposal and oral presentation. Prerequisites: Neuroscience major with senior standing. Offered annually.

NEUR 499 Research/Thesis (1) (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

Kujath, Hopkins, Jacobs, Kerr, Knoll, Kookan and professional staff and adjunct faculty.

Major Sequence in Nursing

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 outstanding 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 Biology 108 or 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

NURS 214 Nursing and Society (1) (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.

NURS 217 Pathophysiology and Pharmacology I (1) 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 108 in order to enroll in this course. Offered each fall.

NURS 218 Pathophysiology and Pharmacology II (1) 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.

NURS 260 Nursing Foundations I: Health Assessment and Professional Communication (1.25) 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 108 in order to enroll in this course. Offered each fall.

NURS 280 Nursing Foundations II: Health Promotion and Risk Reduction (1)

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; Co-requisite 218. Offered each spring.

NURS 320 Adult Nursing I (1) 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.

NURS 330 Psychiatric/Mental Health Nursing (1) 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.

NURS 360 Child and Adolescent Nursing (1) 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.

NURS 380 Adult Nursing II (1) 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.

NURS 385 Research in Nursing Practice (1) 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 annually.

NURS 390 Special Topics in Nursing (1) 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.

NURS 397 Internship in Nursing (.75, 1) 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 Summer Term.

NURS 400 Nursing in Complex Situations (1) 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.

NURS 430 Maternal and Newborn Nursing (1) 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.

NURS 450 Nursing Leadership and Management in Health Care (1) 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.

NURS 460 Public Health Nursing (1) 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.

NURS 485 Seminar in Professional Nursing (1) (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.

NURS 499 Research and Studies (1) 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. 234), 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.

KINESIOLOGY and ALLIED HEALTH (see page 201)

NUTRITION (see page 239)

PUBLIC HEALTH and HEALTH (see page 272)

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 274).

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 131).

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 for the Medical and Health Professions

Qualified nursing majors may elect the Hispanic Studies minor for Medical and Health Professions 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, 307, and three electives. Study abroad is also available (See Hispanic Studies, page 307).

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 272).

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.

NUTRITION

L. Kellar, Kujath, Dodd, Marino

The Nutrition major provides students with a comprehensive understanding of the science of nutrition and its application to human health, wellness, and disease prevention. Through an interdisciplinary curriculum, students will explore the role of nutrients in the body, the composition, processing and transportation of food, the relationship between diet and chronic conditions and the importance of education in community based nutrition. The major prepares students for a variety of career paths, including clinical dietetics, community nutrition, food service management, health coaching, sports nutrition, research, and education. Students completing this major may also pursue advanced degrees in areas such as dietetics, clinical counseling, or medicine. Additionally, the Nutrition major includes some of the prerequisite courses for many graduate programs in the nutrition field.

The eleven courses required in this major are built upon foundational sciences of human anatomy and physiology and chemistry. Students will move through a core set of classes that provide a broad knowledge of nutrition as both a physical and life science. Consistent with Illinois Wesleyan's liberal arts mission, students majoring in nutrition will explore interests beyond the lab through a variety of courses that integrate nutrition and human behavior at individual, social and global levels.

Major Sequence in Nutrition:

The major in Nutrition consists of a minimum of 11 courses, at least four of which must be upper division (300 level or higher).

Required Core Courses:

- 1) BIOL 107: Human Anatomy and Physiology I
- 2) BIOL 108: Human Anatomy and Physiology II
- 3) CHEM 201: General Chemistry I
- 4) CHEM 202: General Chemistry II
- 5) HLTH 230: Human Nutrition
- 6) HLTH 260: Nutrition Through the Lifecycle
- 7) UNIV 270: Food Science (LCMC)
- 8) UNIV 370*: Special Topics (Must meet approval of WI)
- 9) HLTH 490: Health Practicum
- 10) In addition, students will choose two courses among the following list of electives:

BUS 231 Supply Chain Management or BUS 341 Organization and Management

CHEM 311: Organic Chemistry

ENST/CHEM 234: Environmental Chemistry and Toxicology

HLTH 101: Introduction to Public Health

HLTH/PSYC 204: Health Psychology

HLTH 240: Health Promotion & Health Education

UNIV 270: Food Economics (LCMC)

HLTH 300: Achieving Wellness

HLTH 370* Special Topics in Health

HLTH 370: Medical Nutrition Therapy (LCMC)

KIN 323: Sports Nutrition

PSYC 361: Introduction to Clinical Psychology or PSYC 368: Helping Skills

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

The student should work in consultation with their advisor and the Health and Science advisor in choosing the courses that best meet their career and graduate school goals. Suggestions for classes that are best suited for graduate school prerequisites in pre-professional programs are listed below by program:

- 1) Clinical Nutrition (HLTH/PSYC 204, CHEM 311, HLTH 370 or PSYC 361 or PSYC 368)
- 2) Sports Nutrition (HLTH 240, HLTH 300, KIN 323)
- 3) Food Service Management (BUS 231 or BUS 341, HLTH 101, UNIV 270)
- 4) Community Nutrition (HLTH 101, HLTH/PSYC 204, HLTH 240)

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 Shared Curriculum 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

These courses are for London (taught in English for general education credit only.)

LOND 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.

LOND 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.

LOND 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.

LOND 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.

LOND 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.

LOND 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.

LOND 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

Courses are taught in English or Spanish and may be either Hispanic Studies courses or general education courses taught in Spanish.

BARC 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.

BARC 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.

BARC 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.

BARC 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.

BARC 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.

BARC 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.

BARC 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.

BARC 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.

BARC 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.

BARC 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.

BARC 290 Cultural Competence and Student Success The course explores key concepts related to cultural competence, including cultural awareness, sensitivity,

humility, adaptability and communication. The curriculum is designed to foster self-reflection, critical thinking, resilience and practical skills development, the "Cultural Superpowers" to be employed during a successful study abroad experience, college career and beyond. Class is taught in English. Offered as needed.

BARC 321 Studies in Literature Courses in this category focus on the critical reading and interpretation of literary texts. Taught in Spanish. Offered as needed.

BARC 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.

BARC 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

BARC 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

BARC 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

BARC 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.

BARC 397 Barcelona Global Internship Experience (.75,1) (G) 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, Sullivan, 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, 307, 311, 340, 350, 351
 - b) One of the following: PHIL 105, 204, 213, 222, 224, 225, 230, 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.

PHIL 102 Introduction to Symbolic Logic (1) (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.

PHIL 103 Mind and World (1) (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.

PHIL 104 Ethics Bowl (1) (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.

PHIL 105 Rights and Wrongs (1) (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.

PHIL 106 God and Science (1) (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 occasionally.

PHIL 107 Introduction to the Philosophy of Natural Science (1) (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 occasionally.

PHIL 170 Special Topics (1) 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 online class schedule to determine if this course fulfills general education requirements. Offered occasionally.

PHIL 204 Introduction to Ethical Theory (1) (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 occasionally.

PHIL 209 Philosophy of Religion (1) (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 annually.

PHIL 213 Business Ethics (1) (AV) A critical examination of ethical issues arising in business affairs with some attention to ethical theory. Offered annually.

PHIL 222 Ethics, Values and Issues in Cybertechnology (1) (AV, W) (Cross-listed with CS 222) An overview of the ethical issues which shape modern cybertechnology,

including such topics as free expression and content control, intellectual property, privacy and information access, data bias, algorithmic transparency, and artificial intelligence. Theory and actual cases will be analyzed in readings, discussion, and written work. Will not count toward the Computer Science major or minor. No prerequisites. Offered in alternate years.

PHIL 224 Introduction to Social and Political Philosophy (1) (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 annually.

PHIL 225 Medical Ethics (1) (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 annually.

PHIL 230 Philosophy of Feminism (1) (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.

PHIL 232 Philosophy of Race (1) (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 occasionally.

PHIL 242 Philosophers Read the Bible (1) (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 occasionally.

PHIL 270 Special Topics (1) An examination of selected topics not covered in regular course offerings. May be repeated for credit when different subjects are studied. See current online class schedule to determine if this course fulfills general education requirements. Offered occasionally.

PHIL 296 What is Religion (1) (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 occasionally.

PHIL 301 Ethics and the Environment (1) 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.

PHIL 304 Ethical Theory (1) (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 occasionally.

PHIL 305 Philosophy of Law (1) (AV) Examination of philosophical questions about the law in general and the criminal law in particular. What justifies punishment? What actions should be illegal? Is the death penalty morally defensible? Special attention will be paid to recent work in the intersection of criminal justice and social justice. Prerequisite: One course in Philosophy or consent of instructor. Offered in alternative years.

PHIL 307 Philosophy of Natural Science (1) (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 occasionally.

PHIL 308 Ancient Philosophy (1) (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 in alternative years.

PHIL 309 Modern Philosophy (1) (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 in alternative years.

PHIL 310 Social and Political Philosophy (1) (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 occasionally.

PHIL 311 Philosophy of Mind (1) (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 occasionally.

PHIL 340 Philosophy of Language (1) (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 occasionally.

PHIL 341 Religious Tolerance and Pluralism (1) (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 occasionally.

PHIL 343 American Jewish Thought (1) (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. Offered occasionally.

PHIL 350 Knowledge, Belief, and Society (1) (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.

PHIL 351 Metaphysics (1) (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.

PHIL 356 Contemporary Ethics (1) (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.

PHIL 370 Special Topics (1) 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 online class schedule to determine if this course fulfills general education requirements. Prerequisite: One course in Philosophy or consent of instructor. Offered occasionally.

PHIL 380/381 Independent Study in Philosophy (1) 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.

PHIL 397 Internship in Philosophy (1) 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.

PHIL 403 Research Honors in Philosophy (1) 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, SPORT AND WELLNESS

Brooks, Kushina, Lloyd, Richards, Williamson, Van Heuklon, Valenzuelar

The department of Physical Education, Sport and Wellness (PESW) 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 Physical Education, 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. No activity course in Physical Education may be repeated for credit in the Shared Curriculum (Shared Curriculum Policies and Guidelines, pg. 100).

- 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 or special equipment as indicated at the time of registration (i.e. First Aid and Athletic Training, Bowling, Golf, Karate, Scuba Diving).
- 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 Physical Education, Sports and Wellness (PESW) consist of a variety of studies relating to the acquisition and teaching of movement skills, coaching techniques and theories, first-aid and safety, basic principles of the mechanics and physiology involved in human movement, as well as athletics administration.

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 the Educational Studies' Program Chair for more information.

An individual not seeking teacher licensure may select courses in the Physical Education, Sports and Wellness (PESW) 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) KIN 100: Introduction to Exercise Science
- 2) Choose one of four:
 - PETH 210: Coaching Baseball and Football
 - PETH 211: Coaching Basketball and Track
 - PETH 216: Coaching Volleyball and Softball

- 3) PETH 290: Introduction to Coaching
- 4) PETH 320: Organization and Administration of Athletic and Physical Education Programs
- 5) Choose one of two:
 - HLTH 230: Human Nutrition
 - KIN 323: Sports Nutrition
- 6) KIN/PETH 326: First Aid and Athletic Training

Recommended:

- 7) PEC 129X: Personal Fitness I
- 8) KIN/PETH 327: Essentials of Strength and Conditioning

Minor Sequence in Physical Education:

The following courses are required for the minor.

- 1) KIN 100: Introduction to Exercise Science
- 2) PETH 201: Theory and Practice of Physical Education
- 3) PETH 202: Theory and Practice of Physical Education
- 4) PETH 320: Organization and Administration of Athletic and Physical Education Programs
- 5) Choose one of these two:
 - HLTH 230: Human Nutrition
 - KIN 323: Sports Nutrition
- 6) Choose one of these three:
 - KIN/PETH 326: First Aid and Athletic Training
 - HLTH 300: Achieving Wellness
 - KIN/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

In addition, students will choose three courses among the following list of electives:

One must be taken from one of the asterisk courses found in the Physical Education, Sports and Wellness Department (PESW) or Psychology Department.

Two courses must be from other asterisked courses or non-asterisked courses found outside the Physical Education, Sports and Wellness Department (PESW).

- *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

Activity Courses

One course (X) or two 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*.

PEC 109X Basic Scuba Diving (0) 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.

PEC 111Y Beginning Swimming (0) 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.

PEC*113X Fitness Swimming (0) 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.

PEC*116X Lifeguard Training (0) 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.

PEC 118Y Tennis I (0) Open to individuals with no experience in playing tennis. Offered each fall and Summer Term.

PEC 120Y Badminton (0) An introduction to singles and doubles play. Offered each semester.

PEC*121Y Pilates (0) An introduction to Pilates basic movements; course focuses on improvement of overall strength, posture, and flexibility. Offered each semester.

PEC 122Y Volleyball (0) An introductory course in fundamentals of power volleyball. Offered each semester.

PEC*123Y Cross Fit (0) 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.

PEC 124Y Bowling (0) For beginners and those who already know how to bowl. Special fee. Offered each semester.

PEC 125Y Beginning Golf (0) An introduction to basic skills. Special fee. Offered each fall and Summer Term.

PEC 127Y Racquetball (0) Introduction to individual skills, techniques, and strategies of singles and doubles play. Offered each semester.

PEC*128Y Circuit Training (0) An introduction of circuit training in the use of Selecterize machines to improve strength, endurance and flexibility. Offered each semester.

PEC*129X Personal Fitness I (0) 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.

PEC*132Y Fitness Walking (0) Designed to develop physical fitness through a walking program. Open to all levels of fitness. Offered each semester and Summer Term.

PEC*133Y Step Aerobics (0) Designed to improve cardiovascular fitness through rhythmic exercise. Open to beginning as well as advanced levels of fitness. Offered each semester.

PEC*134Y Jogging (0) Improving cardiovascular fitness through jogging. Open to all levels of experience. Offered each semester.

PEC*135Y Weight Lifting (0) Lifting free weights to improve total body strength. Proper technique and safety emphasized. Open to beginners as well as experienced lifters. Offered each semester.

PEC*136Y Cycling Fitness (0) Improving cardiovascular fitness using stationary bicycles. Open to all levels of fitness. Fulfills general education requirements in Physical Education category.

PEC 137Y Special Activities (0) Various recreational activities (fitness games, yoga). Special fee required for some activities. Offered each semester.

PEC*138Y Cycling Fitness II (0) Designed to provide accelerated cardiorespiratory fitness at an intermediate to advanced level. Prerequisite: Cycling Fitness 136Y. Offered each semester.

PEC*139Y Aerobics (0) 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.

PEC 140Y Beginning Social Dance (0) An introduction to social dancing, including waltz, fox trot, polka, jitterbug, and others. Offered occasionally.

PEC*142X Jazz Dance I (0) (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 for credit. Offered annually.

PEC*143X Tap Dance I (0) (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 for credit. Offered annually.

PEC*144AX & *144BX Ballet I (0) (PE) (Cross-listed with MUTH 134A, 134B) 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. Prerequisite: MUTH 134A/PEC 144AX for 144BX, or consent of instructor. May be repeated for credit. *144AX offered each fall; *144BX offered each spring.

PEC*145X Modern Dance I (0) (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 for credit. Offered annually.

PEC*151X Adapted Physical Education (0) Designed for students whose medical examination indicates a recommendation of restricted exercise. May be repeated. Prerequisite: Consent of department chairman. Offered each semester.

PEC*152Y Adapted Physical Education (0) Designed for students whose medical examination indicates a recommendation of restricted exercise. May be repeated. Prerequisite: Consent of department chairman. Offered each semester.

PEC 153X Karate (0) Students work toward attaining a red belt. Special fee. Offered each semester.

155X Advanced Karate (0) Prerequisite: Consent of instructor. Special fee. Offered each semester.

PEC 180Y Fencing (0) Beginning techniques in foil fencing and bout judging and directing. Offered each semester.

PEC*232X Jazz Dance II (0) (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 for credit. Offered annually.

PEC*233X Tap Dance II (0) (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 for credit. Offered annually.

PEC*234X Ballet II (0) (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 for credit. Offered each semester.

PEC*235X Modern Dance II (0) (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 for credit. Offered annually.

PEC*250X Varsity Sports (0) Prerequisite: Consent of head coach of each sport. Offered each semester.

PEC*332X Jazz Dance III (0) (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 for credit. Offered in alternate years.

PEC*333X Tap Dance III (0) (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 for credit. Offered in alternate years.

PEC*334X Ballet III (0) (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 for credit. Offered in alternate years.

PEC*335X Modern Dance III (0) (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 for credit. Offered occasionally.

Theory Courses

PETH 201 Theory and Practice of Physical Education (1) Teaching methods and activities and practical class participation in learning various team sports at the secondary school level. Offered in alternate years, fall semester.

PETH 202 Theory and Practice of Physical Education (1) 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.

PETH 210 Coaching Baseball and Football (1) Fundamentals of coaching baseball and football including drills, strategies, rules, and conditioning. Offered in alternate years, fall semester.

PETH 211 Coaching Basketball and Track (1) 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.

PETH 216 Coaching Volleyball and Softball (1) 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.

PETH 280 Foundations of Sports Management (1) 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.

PETH 290 Introduction to Coaching (1) 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.

PETH 297/397 Internships (1) 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.

PETH 310 Planning, Design, & Event Management in Sports & Recreation (1) 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.

PETH 315 Marketing & Public Relations for Sports & Recreation (1) 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.

PETH 320 Organization and Administration of Athletic and Physical Education Programs (1) 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.

PETH 325 Kinesiology (1) (Cross-listed with KIN 325) Use of mechanics and muscular action in balance and movement of the human body. Offered in alternate years, fall semester.

PETH 326 First Aid and Athletic Training (1) (Cross-listed with KIN 326) 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.

PETH 327 Essentials of Strength and Conditioning (1) (Cross-listed with KIN 327) (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: KIN/PETH 325, KIN/PETH 330, or consent of instructor. Offered in alternate years, spring semester.

PETH 330 Exercise Physiology (1) (Cross-listed with KIN 330) 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.

PETH 400 Independent Study (1) Independent research and study beyond courses offered in any particular area of physical education. Prerequisite: consent of department chairman. Offered as needed.

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/) 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 Astrophysics:

A minimum of eleven courses and units including:

- 1) PHYS 105 and 106
- 2) PHYS 207, 304
- 3) Two courses selected from PHYS 405, 406, 407, and 408; one of these must come from PHYS 405, 406
- 4) One course selected from PHYS 307, 308, and 408
- 5) PHYS 310
- 6) PHYS 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.

Concentration in Optics & Photonics:

A minimum of eleven courses and units including:

- 1) PHYS 105 and 106
- 2) PHYS 207, 304
- 3) PHYS 406
- 4) One course selected from PHYS 405, 407, and 408
- 5) Two courses selected from PHYS 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 Quantum Science & Technology:

A minimum of eleven courses and units including:

- 1) PHYS 105 and 106
- 2) PHYS 207, 304, and 301
- 3) PHYS 407
- 4) One course selected from PHYS 405, 406, and 408
- 5) PHYS 321, 322
- 6) One course selected from PHYS 323, PHYS 317
- 7) One additional course and unit 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: PHYS 101 (General Physics I), PHYS102 (General PHYS II), PHYS 110 (Fundamental Astronomy), PHYS 120 (Energy and Society), PHYS 130 (Sound, Music, Hearing), PHYS 131 (How Things Work), and PHYS 397 (Internship).

Minor Sequence in Physics:

A minimum of five courses to include:

- 1) PHYS101 or 105, 102 or 106
- 2) PHYS 207 and 304
- 3) One additional 300-level course. The following are recommended:
 - A. PHYS 405 (Theoretical Mechanics) for Mathematics majors
 - B. CHEM 323 (Introduction to Quantum Mechanics) for Chemistry majors
 - C. PHYS 305 (Electronics) for Biology majors.

PHYS 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.

PHYS 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.

PHYS 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.

PHYS 110 Fundamental Astronomy (1) (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.

PHYS 120 Energy and Society (1) (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.

PHYS 130 Sound, Music and Hearing (1) (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.

PHYS 131 How Things Work (1) (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.

PHYS 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.

PHYS 207 Physics III – Measurement and Modern Physics (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.

PHYS 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.

PHYS 277 Special Topics in Physics (1.25) 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.

PHYS 301 Intermediate Experimental Methods (1) 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. The course may be repeated once for credit. Prerequisite: PHYS 207 or CHEM 332, or consent of instructor. Offered in alternate years.

PHYS 304 Mathematical Methods of Physical Science (1) 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.

PHYS 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.

PHYS 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.

PHYS 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.

PHYS 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.

PHYS 310 Introduction to Astronomy and Astrophysics (1) 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.

PHYS 317 The Momentum of the Photon (1) 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.

PHYS 321 Quantum Science and Technology I (1) Explores the principles and applications of Universal Gate-based Quantum Computing. Topics include: algorithmic complexity, single Qubit states, Bloch sphere, superposition, measurement, coherence, Bloch ball, multi-Qubit states, direct product states, entanglement; 1-Qubit gates (H, X, Y, Z, S, T), 2-Qubit gates (Controlled-NOT, Swap, Controlled-Z, Controlled-phase), Quantum Teleportation, Quantum Cryptography. Prerequisite: PHYS 106. Offered annually.

PHYS 322 Quantum Science and Technology II (1) Explores the implementation of real Qubits on various experimental platforms. Topics include: Qubits based upon Nuclear Magnetron, Optical Polarization, Superconducting Fluxonium and Transmon, and Trapped Ions; Density Matrix methods and Noisy quantum system; Quantum Fourier Transform; Quantum Walks; Eckert, Grover, Deutsch-Jozsa, and Shor algorithms; Quantum Computing for chemistry. Prerequisites: PHYS 207 and PHYS 304. Offered alternate years.

PHYS 323 Quantum Materials (1) A qualitative and semi-quantitative exploration of so-called Quantum Materials, whose novel properties require concepts from Quantum 2.0. Topics include: entanglement (in different types of spaces); band topology, topological insulators and superconductors; effects of reduced dimensionality; graphene and transition metal dichalcogenides (TMDs); Berry curvature, anomalous Hall effect; light induced materials. Prerequisite: PHYS 207 and PHYS 304. Offered alternate years.

PHYS 370 An Exploration of Advanced Topics in Physics (1) Offered occasionally.

PHYS 397 Internship in Physics (1) 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.

PHYS 399 Experimental Physics (1) Experiments and experimental techniques in contemporary physics. Electrical and electronic circuits, optics, atomic and nuclear

physics. An intensive course offered usually during Summer Term. Prerequisites: general physics, MATH 176 and consent. May be repeated for a maximum of two course units. Offered occasionally.

PHYS 405 Theoretical Mechanics (1) 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.

PHYS 406 Electricity and Magnetism (1) 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.

PHYS 407 Introduction to Quantum Mechanics (1) (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.

PHYS 408 Statistical Physics (1) (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.

PHYS 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. Offered annually.

PHYS 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. 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. A political science major is an invaluable asset 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. .

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. The Senior Seminar is offered each Fall semester and provides opportunities for collaborative learning and the integration of knowledge at an advanced level. As such, the Senior Seminar marks a step in a 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 a subsequent Senior 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) PSCI 101, 102, or 103
- 2) PSCI 315, 316, 317, or 318
- 3) PSCI 392
- 4) PSCI 415

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, or a department approved Summer Term course. Students seeking to apply a Summer 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. PSCI 101, 102, or 103
 - B. PSCI 315, 316, 317, or 318
- 2) At least one other course at the 300-level or above (in addition to 1, B above)
- 3) Three additional electives in political science (for a total of 6 courses)

Note: Not more than one course unit of independent study or internship may count toward the minor (PSCI 250, 396, 397, or 402).

PSCI 101 American Politics (1) (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.

PSCI 102 International Politics (1) (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.

PSCI 103 Comparing Nations (1) (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.

PSCI 104 Multiculturalism and its Critics (1) (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 multicultural protections and (1) national unity, (2) feminism, and (3) the liberal ideal of state neutrality. Offered in alternate years.

PSCI 105 Civil Liberties and Social Justice (1) (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 occasionally.

PSCI 200 American Political Cultures (1) (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.

PSCI 201 Law and Politics in States and Communities (1) 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.

PSCI 202 Engagement & the City (1) (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.

PSCI 204/304 Transitional Justice (1) (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 in alternate years.

PSCI 210 Democracy: What’s the Big Idea? (1) (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, each spring.

PSCI 215 Politics in Developing Societies (1) 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 occasionally.

PSCI 216 Politics in Africa (1) 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 occasionally.

PSCI 217 Politics and Society in Contemporary South Africa (1) (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 occasionally in Summer Term.

PSCI 230 The American Presidency (1) (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.

PSCI 241 American Elections, Political Parties and Campaigns (1) (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.

PSCI 244 Voting, Voice, and Virtual Freedom (1) (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.

PSCI 250 Special Project (1) Independent research under the supervision of a department faculty member. Prerequisite: Consent of faculty supervisor. Offered by arrangement.

PSCI 260 American Environmental Politics and Policy (1) (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.

PSCI 281 American Social Policy (1) (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.

PSCI 282/382 American Health Policy (1)/(1) (AV, U) 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 commercial 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. PSCI 382 requires an additional research component. Prerequisites for 382: approval of instructor. Offered in alternate years.

PSCI 285/385 Political Tales We Tell Ourselves (1) (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.

PSCI 301 Studies in Political Culture: The American South and the Politics of Race (1) (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.

PSCI 303 International Law and Organizations (1) 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.

PSCI 304 Transitional Justice (1) (AV) See 204/304 for complete description.

PSCI 307 Constitutional Law : Judicial Review and Constitutional Interpretation (1) 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.

PSCI 315 Classical Political Thought: Democracy in Athens and America (1) (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.

PSCI 316 Modern Political Thought: The Social Contract and Democracy (1) (IT, W) Modern political theorists defend democracy in two broad ways: one grounded in equity and individual distributive justice, the other grounded in participation and social justice. Both rest primarily on the social contract trope. The course follows the development of social contract theorizing from Hobbes and Rousseau to Habermas's discourse ethics, Marion Young's structural injustice, and Charles Mills's racial contract. We focus on issues of inequity in distributive justice and violations of social justice due to class exploitation, patriarchy, and white supremacy. Offered in alternate years.

PSCI 317 American Political Thought: Liberalism, Republicanism and Ascription (1) (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.

PSCI 318 Schools and Sects in the Study of Politics (1) (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.

PSCI 325 Conflict Areas of the Third World (1) 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.

PSCI 326 Globalization and Development (1) 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.

PSCI 340 Program Planning and Evaluation (1) (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.

PSCI 341 Congress and the Legislative Process (1) 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.

PSCI 345 International Political Economy (1) An examination of the ways in which the inter-play between political and economic factors shape the global system. Prerequisite: PSCI 102 or ECON 100 or consent of instructor. Offered occasionally.

PSCI 361 Globalization and the Environment (1) (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.

PSCI 362 Global Environmental Sustainability and Asian Development (1) (CSI, G) (Cross-listed with ENST 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.

PSCI 363 Global Responses to Climate Change (1) (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.

PSCI 365 Ethical Dilemmas in Environmental Politics (1) (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.

PSCI 370 Advanced Special Topics in Politics (1) 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 online class schedule to determine if this course fulfills shared curriculum requirements. Offered occasionally.

PSCI 382 American Health Policy (1) (AV, U) see 282/382 for full course description

PSCI 385 Political Tales We Tell Ourselves (1) (AV) see 285/385 for complete description

PSCI 392 Empirical Political Research (1) 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 fall.

PSCI 395 Action Research Seminar (1) (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 spring.

PSCI 396 Internship Seminar (1) 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.

PSCI 397 Internship in Administration (1) 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.

PSCI 398 Grant Writing (1) (Cross-listed with SOC 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. Offered each fall.

PSCI 402 Advanced Studies in Politics (1) 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 by arrangement.

PSCI 415 Senior Seminar (I) (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

Williams, Kunce, Montpetit, Nebel-Schwalm, Themanson

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.) PSYC 100
- b.) PSYC 227 (recommended sophomore year)
- c.) PSYC 300 (recommended sophomore or junior year)
- d.) Two of the following: PSYC 211, 212, and 213
- e.) Two courses, numbered PSYC 251-259
- f.) One course, numbered PSYC 313-329
- g.) One course, numbered PSYC 352-369
- h.) One additional course, numbered PSYC 301-370, 400, or 497
- i.) One additional course in PSYC
- j.) One PSYC 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 NEUR 110, BIOL 101, or BIOL 107.
- b.) A PHIL course approved by the advisor (or PSYC 330)

Minor Sequence in Psychology:

Six courses of which at least two are upper division.

Requirements include:

- a.) PSYC 100

- b.) One of the following: PSYC 211, 212, or 213
- c.) One of the following: PSYC 251, 253 or 259
- d.) One of the following: PSYC 227, BIOL 323, ECON 227, SOC 225, NURS 385, or PSCI 392
- e.) Two additional PSYC courses numbered 301 or above

PSYC 100 General Psychology (1) (LSI) A survey of topics in psychology, and an introduction to scientific methodology. Offered each semester.

PSYC 204 Health Psychology (1) (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.

PSYC 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 occasionally.

PSYC 212 Perception and Cognition (1) 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.

PSYC 213 Behavioral Neuroscience (1) (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.

PSYC 227 Statistics (1) 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.

PSYC 251 Abnormal Psychology (1) (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.

PSYC 253 Lifespan Developmental Psychology (1) 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.

PSYC 259 Social Psychology (1) 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.

PSYC 270/370 Special Topics in Psychology (1, 1) Courses addressing topics of special interest in psychology. See current online class schedule to determine if this course fulfills general education requirements or has any prerequisites. Offered annually.

PSYC 370 Special Topics in Psychology See 270/370 for complete description

PSYC 300 Research Methods in Psychology (1) (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.

PSYC 313 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.

PSYC 314 Advanced Human Neuroscience (1) (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.

PSYC 316 Neuropsychopharmacology (1) (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.

PSYC 321 Brain Injury and Recovery (1) (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 occasionally.

PSYC 329 Special Topics in Behavioral and Cognitive Psychology and Neuroscience (1) (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 online class schedule to determine if this course fulfills General Education requirements.

PSYC 330 History and Systems of Psychology (1) (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 occasionally.

PSYC 353 Mental Health and Aging (1) (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.

PSYC 354 Identity, Social Justice, and Psychology (1) (U, EXP) 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.

PSYC 356 Psychology of Gender (1) (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 occasionally.

PSYC 358 Psychology of Motivation (1) 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.

PSYC 359 Crime and the Justice System: A Social Psychology Perspective (1) (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.

PSYC 361 Introduction to Clinical Psychology (1) 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.

PSYC 368 Helping Skills (1) 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.

PSYC 369 Special Topics in Clinical, Developmental and Social Psychology (1)

Courses addressing topics of special interest in the more applied areas of Psychology (e.g. clinical, social and developmental psychology). See current online class schedule to determine if this course fulfills General Education requirements.

PSYC 377 Applied Data Analysis (1) 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.

PSYC 380 Sports and Exercise Psychology (1) 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.

PSYC 395 Directed Study (.5 or 1) 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.

PSYC 397 Internship (1) (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.

PSYC 399 Research Internship (.5, 1) 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. Offered each semester.

PSYC 400 Directed Research (1) 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.

PSYC 401 Thesis in Psychology (1) (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.

PSYC 497 Internship with Directed Study (1) 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 AND HEALTH

Kujath, L. Kellar, Dodd, Hopkins, Kerr, Remmert

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.

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.

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. Students will select additional courses across 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 role 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.

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
- 2) HLTH 200: Epidemiology
- 3) HLTH 204/PSYC 204: Health Psychology
- 4) HLTH 280: Perspectives in Global Health
- 5) JOUR 315: Public Relations and Strategic Communication
- 6) HLTH 340/PSCI 340: Program Planning and Evaluation
- 7) HLTH 490: Practicum
- 8) Population Health and Disease (Choose one of the following):
 - HLTH 370: Special Topics*
 - HLTH 350: Substance Use Disorders: Individual and Society
 - 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/CHEM 234: Environmental Chemistry and Toxicology
 - ENST 240: Health and the Environment
 - ENST 241: War on Cancer: Does Environment Matter
 - ENST/SOC 367: Environmental Sociology
 - HLTH 370: Special Topics*
- 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 370: 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 and a Public Health minor are 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:

The Health minor consists of a minimum of five courses, including:

- 1) One of the following: HLTH/PSYC 204, PSYC 253; SOC 305
- 2) All of the following: HLTH 280, 300, 330
- 3) At least one of the following: HLTH 230, 250, 297, 350, 360, 370*, 397

Minor Sequence in Public Health:

The Public Health minor consists of a minimum of six courses, 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: HLTH/PSYC 204, HLTH 350, 370*; NURS 330; PSYC 353; SOC 270*, 305, 370*
- 3) Public Health Environmental Issues: CHEM/ENST 234, ENST 200, 240, 241; ENST/SOC 367
- 4) Public Health Engagement and Policy Informed Action: HLTH 370*, 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 NURS 385 or PSYC 300

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

HLTH 101 Introduction to Public Health (1) (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.

HLTH 200 Epidemiology (1) (LSI) Epidemiology is the branch of medicine which deals with the incidence, distribution, and control of diseases in populations. In this course, students will learn and apply key concepts of epidemiology to multiple domains of public health. Students will learn how to use epidemiology to better understand, characterize, and promote health at a population level. Offered annually.

HLTH 204 Health Psychology (1) (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.

HLTH 230 Human Nutrition (1) (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 annually.

HLTH 240 Foundations of Health Education and Health Promotion (1) (AV) This course examines how health communication and social marketing are used in changing health behaviors and advocating for policy, systemic, or environmental change as it relates to current or emerging health issues. Topics are presented to assist students to develop messages to benefit the individual and society as a whole. Offered in alternate years.

HLTH 250 Substance Use Disorders: Individual and Society (1) (AV, G) Exploration of physiological, psychological, sociological implications of drug use and addictive behavior on the human body, family, and society. Students analyze legal and ethical issues related to drug use in multiple cultures and identify factors affecting individual choices. Offered occasionally.

HLTH 252 Independent Study (1) 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.

HLTH 260 Nutrition Through the Lifecycle (1) This course will examine the role of nutrition from preconception to the end of life. Dietary trends, environmental factors, and health-related concerns that occur at each major life stage will be explored and their relationship with nutritional status addressed. A comprehensive understanding of basic human nutrition, including, but not limited to, macronutrients, micronutrients, and the effects of nutrient deficiency diseases, is required in order for students to analyze and design diets appropriate for individuals from conception to older adulthood. Prerequisite: HLTH 230: Human Nutrition. Offered every spring.

HLTH 280 Perspectives in Global Health (1) (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.

HLTH 297 Internship in Health (.75, 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 Summer term.

HLTH 300 Achieving Wellness: Issues and Choices (1) 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.

HLTH 323 Medical Mystery Tour (1) (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 Summer Term.

HLTH 330 Human Sexuality (1) (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.

HLTH 340 Program Planning and Evaluation (1) (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.

HLTH 350 Substance Use Disorders: Individual and Society (1) (AV, G, W) Exploration of the physiological, psychological, and sociological implications of drug use and addictive behavior on the human body, family, and society. Students analyze legal and ethical issues related to drug use in multiple cultures and identify factors affecting individual choices. Students complete a formal research paper on a topic related to course curriculum. Offered occasionally.

HLTH 352 Independent Study (1) 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.

HLTH 360 Women's Health (1) 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.

HLTH 370 Special Topics in Health (1) 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 online class schedule to determine if this course fulfills general education requirements. Offered occasionally in Summer Term

HLTH 397 Internship in Health (.75, 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 Summer Term.

HLTH 452 Independent Study (1) 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.

HLTH 490 Health Practicum (1) This Practicum course is a terminal course that will focus on the completion of an experiential learning project focused around typical work in a field of 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.

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.

REL 106 Women, Religion, and Spirituality (1) (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 occasionally.

REL 110 Religions of the World (1) (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 occasionally.

REL 120 Introduction to Biblical Studies (1) (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.

REL 170 Special Topics (1) 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 online class schedule to determine if this course fulfills general education requirements. Offered occasionally.

REL 210 Greek Myth and the Hero (1) (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 occasionally.

REL 242 Philosophers Read the Bible (1) (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 occasionally.

REL 270 Special Topics (1) 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 online class schedule to determine if this course fulfills general education requirements. Offered occasionally.

REL 296 What is Religion? (1) (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 occasionally.

REL 310 Cults in America (1) (CSI, U) 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 occasionally.

REL 318 Blood Rites and Mystery Cults (1) (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.

REL 325 Lost Books of the Bible (1) (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 occasionally.

REL 341 Religious Tolerance and Pluralism (1) (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 occasionally.

REL 343 American Jewish Thought (1) (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. Offered occasionally.

REL 370 Advanced Topics in Religion (1) 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 online class schedule to determine if this course fulfills general education requirements. Offered occasionally.

REL 397 Internship in Religion (1) 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 on request.

REL 450 Independent Study (1) 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 on request.

REL 490 Senior Seminar in Religion (1) 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 occasionally.

REL 491 Senior Honors Research Project (1) 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 on request.

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 & CRIMINOLOGY

Fuist, Budhiraja, Irby

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) SOC 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.

Sociology-Criminology Major

Fuist, Budhiraja, Irby, 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 study of criminology at IWU both gives students a strong sociological framework for understanding crime and criminal justice, while offering unique interdisciplinary options for students to engage with other social sciences as well as the natural sciences and humanities. The program 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. Studying criminology is useful for students interested in a future working in criminal justice, advocacy, law, or research. 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 Sociology-Criminology major may not obtain either a Sociology or Criminology minor.

Major Sequence in Sociology-Criminology:

- 1) SOC 201: Social Problems
- 2) SOC 225: Research Methods
- 3) PSYC 227 OR ECON 227 OR ENST 200
- 4) SOC 290: History of Social Thought
- 5) PSYC 359: Crime and the Justice System
- 6) SOC 328: Criminology
- 7) SOC 490: Senior Seminar in Sociology
- 8) Pick FOUR (4) courses. At least One (1) course must be taken from each of the below categories and at least ONE (1) course must be at the 300-level:
 - 1) Courts and Institutions:

- BUS 349: Seminar in Business: Trial Class
- CHEM 120: Forensic Chemistry
- PSCI 105: Civil Liberties and Social Justice
- PSCI/SOC 395: Action Research Seminar
- SOC 240: Social Work
- SOC 311: Marriage and Families
- 2) Inequalities and Identities:
 - PSYC 251: Abnormal Psych
 - SOC 222: Sex and Gender
 - SOC 230: Race and Racism
 - SOC 345: Intersectionality
 - SOC 380: Sex and Sexualities
- 3) Laws and Values:
 - BUS 355: Business Law
 - ENGL 133: Crime and Punishment
 - PHIL 105: Rights and Wrongs
 - PHIL 305: Philosophy of Law
 - PSCI 303: International Law and Organizations
 - SOC 280: Deviance

*Special topics and internships may be included with the permission of the Chair.

Minor Sequence in Criminology:

- 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 305, PSYC 251, PSCI 105; SOC 201, SOC 230, SOC 345, SOC 270/370 (by permission of the chair).

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.

SOC 101 Introductory Sociology (1) (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.

SOC 201 Social Problems (1) (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.

SOC 202 Engagement and the City (1) (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.

SOC 222 Sex and Gender in Society (1) (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.

SOC 225 Methods of Social Research (1) (W) Introduction to basic theory and methods of research, data collection, and analysis in the social sciences. The course will provide students with hands-on experience 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.

SOC 230 Race and Racism (1) (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.

SOC 240 The Profession of Social Work (1) (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.

SOC 250 Media and Popular Culture (1) (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.

SOC 260 Sociology of the Life Course (1) 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.

SOC 270 Special Topics (1) 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 online class schedule to determine if this course fulfills general education requirements. Offered as needed.

SOC 280 Deviance (1) (AV) Course examines how people come to understand the "normal" and the "abnormal" by looking at the application of the label of "deviant" to groups and individuals. Students explore what we consider deviant, how we came to these views, and how people may arrive at divergent understandings of what is deemed "normal." Offered occasionally.

SOC 290 History of Social Thought (1) (IT) 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 annually.

SOC 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.

SOC 305 Medical Sociology (1) (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.

SOC 311 Marriage and Family (1) (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.

SOC 325 Advanced Sociological Methods (1) 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.

SOC 328 Criminology (1) (CSI) A systematic analysis of the nature, causes, and prevention of crime, and the treatment of the criminal. Offered in alternate years.

SOC 333 Youth Subcultures (1) (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.

SOC 340 Social Movements and Politics in the US (1) (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.

SOC 345 Intersectionality (1) (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.

SOC 350 Emotions and Society (1) (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.

SOC 362 Social Welfare and Human Services (1) 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.

SOC 367 Environmental Sociology (1) (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.

SOC 370 Special Topics (1) Specially-designed courses of a topical nature intended for juniors and seniors. May be repeated for credit if content is not duplicated. See current online class schedule to determine if this course fulfills general education requirements. Offered as needed.

SOC 380 Sex and Sexualities (1) (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.

SOC 395 Action Research Seminar (1) (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.

SOC 397 Internship (1) 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.

SOC 398 Grant Writing (1) (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. Offered as needed.

SOC 450 Independent Study (1) 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.

SOC 490 Senior Seminar (1) (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, Amaro, Berggren, Brill, Corvera, Elson, Guerra-Monje, Hodde, Quinn, Siple, Thompson

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.

Mission Statement

The mission of the School of Theatre Arts is to develop artistically driven citizens of the world. Through the spirit of inquiry, intellectual curiosity, and creative risk-taking, we cultivate the ability to explore the complexities of the human condition. We embrace the power of storytelling and lead with integrity and kindness.

Pillars

Curriculum: study, rigor, training

Production: academic and professional best practice

Community: inclusion, equity, diversity, accessibility

Collaboration: empathy, perspective, compassion

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 promotes these general goals: to provide cultural enrichment to the campus community and to train students dedicated to the art of the theatre.

Productions in the Jerome Mirza Theatre are directed and designed by the faculty or guest artists. In addition to providing students training opportunities, these productions require a level of professional rigor, integrity and engagement. These productions provide a framework to showcase student and faculty work.

The E. Melba Johnson Kirkpatrick Laboratory Theatre, as part of the supported season at Illinois Wesleyan, shares in the general goals of that program. The E. Melba Johnson Kirkpatrick Laboratory Theatre exists to provide experience that is an integral part of the training of actors, directors, designers and technicians. All theatrical artists are exposed to a broader range of staging formats in the E. Melba Johnson Kirkpatrick Laboratory Theatre than in the Mirza Theatre.

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.

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, 180, 220, 241, 355, 371, 372, 441
- C. One from the following: THEA 219, 221
- 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: 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.)

ART 240: Digital Photography

FLM 431: Directed Study: Video Production

FLM 432: Independent Study: Advanced Film Studies Project

HIST 154: Film and History, US

LC 320: French Cinema

THEA 114: Lighting and Sound Technology I (Course offered with variable credit. Film Studies Minors must register for 1 full unit).

THEA 314: Lighting and Sound Technology II

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 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 272, 310, 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.

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, 185, 220, 241, 280, 284, 371, 372, 380, 383, 384, 385, 481, 483
- 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.

Bachelor of Fine Arts in Theatre Design and Technology

19 units required for the major to include:

- A. THEA 105Y and/or 106Y (11 enrollments)
- B. THEA 110, 112, 114, 141, 220, 241, 310
- C. THEA 102 or 180
- 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, 424 or 355
- G. Two from the following: THEA 392 490, 491
- H. Four from the following: THEA 272, 313, 314, 317, 318, 319, or 392
- I. One additional from the following: THEA 211, 219, 221, 290, 392, 396, 421, 422, 423, 424, 490, 491, 496, or 499

Bachelor of Fine Arts in Music Theatre

22 course units required for the major to include:

- A. Nine and one half units in Theatre/Music Theatre to include (9.5): THEA 105Y and THEA 106Y (Theatre Lab {11 enrollments required, spread cross 8 semesters} for graduation using Y enrollment), THEA 180, THEA 181, THEA 185, THEA 211, THEA 241, THEA 280, MUTH 374, MUTH 383, THEA 384, MUTH 483
- 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. 5 units of Music/Music Theatre to include (5 units): 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 ({13 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 134A/PEC 144AX, MUTH 134B/PEC 144BX, MUTH 135/PEC 145X, MUTH 137, MUTH 232/PEC 232X, MUTH 233/PEC 233X, MUTH 234/PEC 234X, MUTH 235/PEC 235X, MUTH 238, MUTH 331, MUTH 332/PEC 332X, MUTH 333/PEC 333X, MUTH 334/PEC 334X, MUTH 335/PEC 335X, MUTH 339, MUTH 435
- G. Two additional upper level units from the following Music Theatre/

Theatre/Music (prerequisite courses may be needed) courses (2 units):
MUTH 337, THEA 341, MUS 351, THEA 355, MUTH 376, THEA 377,
THEA 378, THEA 380, THEA 381, THEA 383, THEA 385, THEA 481,
THEA 482, THEA 483, THEA 441, THEA 485, THEA 486, MUTH 494

***Dance courses for the BFA in Music Theatre may be double counted for the Dance Minor up to two units.

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, each student will meet 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

THEA 101 Theatre Appreciation (1) (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.

THEA 102 Fundamentals of Performance (1) (AR) An examination of the basic vocabulary, skills, and concepts of acting, including work in movement and voice/speech with a unit on audition techniques. For non-majors. Offered annually.

THEA 105Y/106Y Theatre Laboratory I/Theatre Laboratory II (0) 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.

THEA 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.

THEA 112 Costume Technology I (.5) An introductory course covering vocabulary and skills regularly used within a Costume Shop and their practical application in theatrical production. Project work includes both hand and machine sewing. For SOTA majors and minors only. Offered annually.

THEA 114 Lighting and Sound Technology I (.5, 1) 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.

THEA 141 Introduction to Theatre Studies (1) An introductory seminar 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. For SOTA majors and minors. Offered each fall.

THEA 170 Special Topics in Theatre (.25, .5, .75, 1) 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.

THEA 180 Acting I (1) An introductory lab covering the 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. This course serves as a foundation for all subsequent performance courses. For SOTA theatre majors only. Offered each fall.

THEA 181 Acting II (1) A process oriented course focused on the integration of scene work and text analysis. For SOTA majors only. Prerequisite: THEA 180. Offered each spring.

THEA 185 Movement I (1) 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 SOTA majors only. Offered each spring.

THEA 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.

THEA 219 Stage Management (1) 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.

THEA 220 Introduction to Theatre Design (1) An introductory studio seminar covering design and collaboration in areas of scenery, costumes, lighting, sound, and projection. This course serves as a foundation for all subsequent design courses, providing a collaborative environment for students to explore unique forms of artistic expression. For first-year SOTA majors only. Prerequisites: THEA 110, 112, 114, or consent of instructor. Offered each fall.

THEA 221 Advanced Production Concepts (1) A continuation of skills established in Introduction to Theatre Design including the application of text analysis. Students collaborate on theoretical productions in a variety of creative capacities as designers, directors, and dramaturgs, working toward an understanding of the pre-production process. For SOTA majors and minors only. Prerequisite: THEA 220 or consent of instructor. Offered occasionally.

THEA 241 Introduction to Dramatic Literature (1) (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.

THEA 270 Special Topics in Theatre (.25, .5, .75, 1) 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.

THEA 272 "What does THIS button do?" (1) (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.

THEA 276 Dance Appreciation (1) (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.

THEA 280 Acting III (1) A continuation of the process from Acting II including elements of style. For SOTA majors only. Prerequisite: THEA 181. Offered each fall.

THEA 284 Voice/Speech I (1) An exploration of a variety of voice and speech principles applicable to the stage actor. Emphasis is on the development of a free voice, through breathing and sounding techniques applied to poetry, and character. For SOTA majors only. Offered each spring.

THEA 290 Practicum (1) 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.

THEA 310 Technical Drafting (1) A methods course providing instruction and practice in special drafting techniques for the theatre. Project work includes both in-hand and Vectorworks software drafting. For BFA Theatre Design and Technology, though BA Theatre students may be admitted based on availability. Prerequisite: Consent of instructor. Offered in alternate years.

THEA 313 Costume Crafts (1) 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 in alternate years.

THEA 314 Lighting and Sound Technology II (1) An advanced study of techniques and skills used for stage lighting and sound. 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 in alternate years.

THEA 317 Costume Technology II (1) An advanced study of techniques and skills used within a Costume Shop including pattern drafting, draping, and the exploration of construction from page to stage. Prerequisite: THEA 112 or consent of instructor. Offered in alternate years.

THEA 318 Scene Painting (1) (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.

THEA 319 Special Materials and Techniques (1) 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.

THEA 341 Playwriting (1) (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.

THEA 342 Screenwriting (1) (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.

THEA 355 Fundamentals of Directing (1) An introduction to the theories and techniques of theatrical direction. Prerequisite: Junior standing in the School of Theatre Arts. Offered annually.

THEA 370 Special Topics in Theatre (.25, .5, .75, 1) 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.

THEA 371 Theatre History I (1) (Cross-listed with HIST 371) (CHC, W) A comprehensive survey-seminar tracing global theatrical development in oral and manuscript cultures before 1650. This course requires significant reading, writing and dramaturgical research. Offered each fall.

THEA 372 Theatre History II (1) (Cross-listed with HIST 372) (CHC) A comprehensive survey-seminar tracing influential theatrical movements in print cultures since 1650. This course requires significant reading, writing, and dramaturgical research. Offered each spring.

THEA 377 History of Décor (1) (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.

THEA 378 History of Fashion (1) (Cross-listed with HIST 378) (AR) A study of Western fashion from Elizabethan England to present. Special attention given to

the evolution of silhouette and attitudes expressed by each period regarding personal adornment. Offered occasionally.

THEA 380 Play Workshop (1) 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 consent of instructor. Offered in alternate years.

THEA 381 Audition Technique (1) 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, or consent of instructor. Offered annually.

THEA 383 Advanced Scene Study (1) 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 in alternate years.

THEA 384 Voice/Speech II (1) 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. Prerequisite: THEA 284, a declared major in Music Theatre, or consent of instructor. Offered each spring.

THEA 385 Movement II (1) 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.

THEA 391 Performance in Production (1) (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 Summer Term.

THEA 392 Seminar in Design and Technology (1) 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.

THEA 396/496 Internship Design/Technical (1 to 4) 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.

THEA 421 Costume Design (1) A studio course in the design of costumes and accessories expressed through color rendering; includes an historical overview of the costume. Prerequisite: THEA 220 and 221 or consent of instructor. Offered in alternate years.

THEA 422 Scenic Design (1) A studio course in the design of stage scenery, settings, and properties expressed through color rendering and models; includes further development of drafting techniques for the theatre. Prerequisite: THEA 221 and 310, or consent of instructor. Offered in alternate years.

THEA 423 Lighting Design (1) A studio course in the design of stage lighting expressed through plots and focusing; includes the application of production techniques to create lighting designs. Prerequisite: THEA 221 and 310, or consent of instructor. Offered in alternate years.

THEA 424 Sound Design (1) A studio course in the design of sound expressed through creative content and engineering; includes the exploration of sound's presence, aesthetic, and implementation in live performance. Prerequisite: THEA 221 and 310, or consent of instructor. Offered in alternate years.

THEA 441 Issues in Contemporary Theatre (1) 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.

THEA 470 Special Topics in Theatre (.25, .5, .75, 1) 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.

THEA 471 History of Modern Acting (1) A study of the most significant events and individuals, dramatic literature, theory and training in the acting profession since its development in the eighteenth century. Offered occasionally.

THEA 481 Acting Shakespeare (1) Advanced work in acting, focused on techniques and approaches needed for Shakespeare's plays. Classes will include textual analysis as well as scene study. For B.F.A. Acting and Music Theatre, though B.A. Theatre majors may be admitted based on availability and audition. May be repeated for credit. Prerequisite: THEA 280 or consent of instructor. Offered annually.

THEA 482 Acting Studio (1) 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 consent of instructor. Offered occasionally.

THEA 483 Acting for the Camera (1) 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 consent of instructor. Offered each fall.

THEA 485 Rapier and Dagger (1) 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.

THEA 486 Sticks and Stones (1) 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 in alternate years.

THEA 490 Practicum (1) 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.

THEA 491 Degree Project (1) 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.

THEA 497 Independent Study: Theatre History and Dramatic Literature (1)

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.

THEA 498 Independent Study: Performance (1) 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.

THEA 499 Independent Study: Design and Technical (1) 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

FLM 110 Film Aesthetics (1) (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.

FLM 170/270/370/470 Special Topics in Film (.25, .5, .75, 1) A group of courses varying in content and approach which are not otherwise offered as part of the regular Film curriculum. May be repeated for credit if the subject matter is not duplicated. Prerequisite: Consent of instructor. Offered occasionally.

FLM 320 Film Theory (1) (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.

FLM 330 Videography (1) 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.

FLM 431 Directed Study in Video Production (1) 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.

FLM 432 Independent Study (1) 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

MUTH 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.

MUTH 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.

MUTH 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.

MUTH 134A & MUTH 134B Ballet I (.25) (Cross-listed with PEC 144AX*, 144BX) 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. Prerequisite: MUTH 134A/PEC 144AX for 134B, or consent of instructor. May be repeated for credit. 134A offered each fall; 134B offered each spring.

MUTH 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.

MUTH 137 Dance Lab (.25) This class serves as a student dance ensemble working closely with the student choreographers in MUTH 337: Choreography. Students will be introduced to the elements of dance and choreographic manipulations, as well as the choreographic process, rehearsal process, and feedback process through their collaborations with the student choreographers. Prerequisite: Music Theatre major or consent of instructor. May be repeated for credit. Offered annually.

MUTH 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.

MUTH 160X Music 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.

MUTH 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.

MUTH 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.

MUTH 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.

MUTH 170 Special Topics in Music Theatre (.25, .5, .75, 1) A group of courses varying in content and approach which are not otherwise offered as part of the regular Music Theatre curriculum. May be repeated for credit if the subject matter is not duplicated. Prerequisite: Consent of instructor. Offered occasionally.

MUTH 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.

MUTH 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.

MUTH 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. Prerequisites: PEC 144X*/MUTH 134 or PEC 144BX*/MUTH 134B or consent of instructor. May be repeated for credit. Offered annually.

MUTH 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 annually.

MUTH 238 Ballroom Dance (.25) This course is an introduction to ballroom dance technique and vocabulary. Styles might include: West Coast Swing, East Coast Swing, Nightclub Two Step, Waltz, Foxtrot, Rumba, Salsa, Tango, Cha Cha, and Merengue. Students will learn partnering, proper hand holds, spatial awareness, and different rhythms related to different styles. Prerequisite: MUTH 132/PEC 142X or MUTH 133/PEC 143X or MUTH 134/PEC 144X or MUTH 135/PEC 145X or consent of instructor. May be repeated for credit. Offered occasionally.

MUTH 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.

MUTH 270 Special Topics in Music Theatre (.25, .5, .75, 1) A group of courses varying in content and approach which are not otherwise offered as part of the regular Music Theatre curriculum. May be repeated for credit if the subject matter is not duplicated. Prerequisite: Consent of instructor. Offered occasionally.

MUTH 331 Broadway Dance Repertory (.25) This 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: MUTH 232/PEC 232X and junior standing, or consent of instructor. May be repeated for credit. Offered annually.

MUTH 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 in alternate years.

MUTH 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 in alternate years.

MUTH 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 in alternate years.

MUTH 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 occasionally.

MUTH 337 Choreography (1) This course examines the theoretical and practical approaches to the art and creation of choreography across dance genres. Prerequisite: MUTH 232/PEC 232X or MUTH 233/PEC 233X or MUTH 234/PEC 234X or MUTH 235/PEC 235X or consent of instructor. May be repeated for credit. Offered annually.

MUTH 339 Hip Hop Dance (.25) This course is an introduction to hip hop dance technique and vocabulary. Styles might include: Popping, Locking, Breaking, Krumping, House, and social dances. Students will learn musicality, isolations, and groundedness, as well as hip hop culture. Prerequisite: MUTH 232/PEC 232X or MUTH 233/PEC 233X or MUTH 234/PEC 234X or MUTH 235/PEC 235X or consent of instructor. May be repeated for credit. Offered occasionally.

MUTH 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.

MUTH 370 Special Topics in Music Theatre (.25, .5, .75, 1) A group of courses varying in content and approach which are not otherwise offered as part of the regular Music Theatre curriculum. May be repeated for credit if the subject matter is not duplicated. Prerequisite: Consent of instructor. Offered occasionally.

MUTH 374 History of the American Musical (1) (AR) A study of the musical as a hallmark of American cultural heritage, tracing its evolution from early variety performance all the way to modern film adaptations. Special attention given to how this distinct form mutated from Tin Pan Alley onto Broadway stages and into popular radio, including the events and individuals, genres and practices that combined to create the musical number and its signature sound. Offered in alternate years.

MUTH 376 Acting the Song (1) A music theatre literature based performance studies course exclusively for sophomore Music Theatre majors. The course is designed to explore and analyze a variety of musical theatre composers and lyricists and integrate this study with fundamentals of acting and singing techniques resulting in the students

developing a better understanding of techniques in acting the song. Non-music theatre majors may enroll in the course if there is room and with the permission of the instructor. Prerequisite: THEA 280. Offered each spring.

MUTH 383 Music Theatre Scene Study (1) This course will focus on advanced text and character analysis through the preparation of duet and ensemble scenes from music theatre literature. Students will integrate all three disciplines of musical theatre (acting, singing, and movement) to develop a cohesive approach to musical theatre performance. Prerequisite: THEA 280 or consent of instructor. Offered in alternate years.

MUTH 435 Advanced Contemporary Dance (.5, 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 on 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 occasionally.

MUTH 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.

MUTH 470 Special Topics in Music Theatre (.25, .5, .75, 1) A group of courses varying in content and approach which are not otherwise offered as part of the regular Music Theatre curriculum. May be repeated for credit if the subject matter is not duplicated. Prerequisite: Consent of instructor. Offered occasionally.

MUTH 483 Music Theatre Workshop (1) This course is designed to investigate new work by contemporary composers in an educational setting. It provides the students of the School of Theatre Arts with an opportunity to experience the collaborative process of a new musical and gain insight into the development process of music theatre. The students will workshop a single musical or a selection of chamber musicals resulting in an open presentation of the work in progress in a midterm public reading and a final workshop presentation. Prerequisite: THEA 280 or consent of instructor. Offered in alternate years.

MUTH 494 Music Theatre: Special Projects (1) 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.

MUTH 495 Dance: Special Projects (.5, 1) Independent Study in the area of Dance This course is designed to provide faculty supervision in the creation of a culminating project or learning a specialized skill in the field of dance. Prerequisite: Consent of instructor. May be repeated for credit. Offered each semester.

UNIVERSITY WIDE COURSES

UNIV 101 Study Abroad Pre-departure (.25) Study Abroad Pre-departure is an online asynchronous course that prepares students for a rich and meaningful study abroad experience. The course focuses on developing intercultural competence skills (self-awareness and awareness of others) as well as soft skills such as organization and project management. Prerequisite: Consent of Director of the International Office. Credit/No credit. Offered every semester.

UNIV 102 Study Abroad Re-entry (.25) Study Abroad Re-entry is an online asynchronous course that helps students navigate, understand, and reflect on the culture shock they experience when returning home from studying abroad. Topics focus on cross-cultural understanding, multicultural engagement, and developing empathy and

the ability to relate to others. Prerequisite: Consent of Director of the International Office. Credit/No credit. Offered every semester.

UNIV 103 Introduction to Intercultural Communication (.25) Communicating effectively with diverse groups of people is one of the skills employers want in a college graduate. This asynchronous online course focuses on the concept of cultural awareness and the role that cultural difference plays in human communication. Emphasis is placed on real-life situations in a variety of workplace settings. Prerequisite: Consent of Director of International and Global Studies. Credit/No credit. Offered each semester.

UNIV 110 Intergroup Dialogue Colloquium (.5) This course prepares students with the skills to build relationships with diverse individuals in an increasingly interconnected and multicultural world. It features intergroup dialogues (IGDs) which have been proven to increase intergroup understanding and decrease intercultural conflict by building essential skills in empathy, critical thinking, and effective communication. Credit/No credit. Offered annually.

UNIV 111 Design Your Life Colloquium (.5) Based on Stanford University's "Design Your Life" (DYL) course, DYL-certified instructors guide students through the framework of design thinking, tackling educational, life, and career choices. Working with DYL readings, reflections, and classroom exercises, students will have a uniquely IWU experience with a new approach to educational and career goals. Credit/No credit. Offered annually.

UNIV 170 Introductory Special Topic (.25, .5, .75, 1) This is a special topics course for material or skills that apply across disciplines. UNIV 170 courses introduce a general area of knowledge or work on a basic skill. Some sections may carry Shared Curriculum credit. Consult with your advisor about whether this course meets major, minor, or certificate requirements. Offered as needed.

UNIV 200 Writing Center Peer Tutoring Colloquium (1) (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 Mentorship 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 260 International Travel Seminar (1) (G) These special topic travel courses will meet the Encountering Global Diversity criteria of 1) extensively investigating a non-US society or comparing global societies and 2) providing opportunities for direct and significant cultural interactions between IWU students and members of a different society. May be repeated for credit under different topics. Offered occasionally.

UNIV 261 Special Topic Travel Seminar (1) Travel courses engage students in cultural exploration, regional expertise, communication skills, community engagement, and personal growth, which prepares students to navigate an increasingly diverse and interconnected world whether at home or abroad. See Banner for Shared Curriculum credit on a given topic. May be repeated for credit under different topics. Offered occasionally.

UNIV 270 Intermediate Special Topic (.25, .5, .75, 1) This is a special topics course for material or skills that apply across disciplines. UNIV 270 courses intensively study a general area of knowledge or work on an intermediate skill. Some sections may carry Shared Curriculum credit. Consult with your advisor about whether this course meets major, minor, or certificate requirements. Offered as needed.

UNIV 297 STEM Project (Non-department Associated) (.25, .5, .75, 1) 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 298 Supervised Internship (.25, .5, .75, or 1) A supervised experiential learning opportunity to apply skills in a professional setting and complete academic work for lower-level credit. Intended for interdisciplinary internships or academic departments without their own internship course. Students consult with a designated faculty supervisor and on-site internship supervisor to arrange internships for academic credit. Prerequisite: None. 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 360 International Travel Seminar (1) (G) These special topic travel courses will meet the Encountering Global Diversity criteria of 1) extensively investigating a non-US society or comparing global societies and 2) providing opportunities for direct and significant cultural interactions between IWU students and members of a different society. May be repeated for credit under different topics. Students taking the course at the 300 level will have additional requirements. Offered occasionally.

UNIV 361 Special Topic Travel Seminar (1) Travel courses engage students in cultural exploration, regional expertise, communication skills, community engagement, and personal growth, which prepares students to navigate an increasingly diverse and interconnected world whether at home or abroad. See Banner for Shared Curriculum credit on a given topic. May be repeated for credit under different topics. Students taking the course at the 300 level will have additional requirements. Offered occasionally.

UNIV 370 Advanced Special Topic (.25, .5, .75, 1) This is a special topics course for material or skills that apply across disciplines. UNIV 370 courses pursue advanced studies or work on an advanced skill. Some sections may carry Shared Curriculum credit. Consult with your advisor about whether this course meets major, minor, or certificate requirements. Offered as needed.

UNIV 397 Supervised Internship (Non-department Associated) (.25, .5, .75, 1) 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) (.75, 1) (G) 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 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 (IT,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: Sex and 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.

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 (IT, 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: Sex and 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

ENGL 120: Women in Literature (LIT)

ENGL 139: Freaks! (LIT, U)

ENGL 170: Special Topics: 20th Century Women Writers (LIT)

ENGL 243: What's Love Got To Do With It?: English Poetry, 1500-1700 (LIT)

ENGL 257/HIST 257: Promised Lands (CHC, U)

ENGL 351: Manifest Destinies: American Lit. to 1865 (LIT, U)

ENGL 370: Special Topics*

ENGL 381: Thinking Queer/Reading Queer (LIT, U)

ENGL 393: Love Marriage, Sex, Power: Shakespeare's Comedies and Histories (LIT)

ENGL 394: Death, Gender, Power: Shakespeare's Tragedies and Romances (LIT)

GRS 217: Race, Gender, and Ability in the Ancient World (AV, W)

LC 251/SPAN 351: Identity and Alterity in Latino Literature (LIT, U)

PHIL 230: Philosophy of Feminism (AV, U)

REL 106: Women, Religion, and Spirituality (CSI, G)

SPAN 348: Latin American Women Writers (LIT)

II. SOCIAL SCIENCES

ANTH245/345: World Music (IT, G)
 HIST 144: The Making of Modern America, 1865-1920 (CHC, U)
 HIST 217: Race, Gender, and Ability in the Ancient World (AV, W)
 HIST 244: History of American Feminisms (CHC, U)
 HIST 249: Growing Up in America, 1607-Present (CHC, U)
 HIST 257/ENGL 257: Promised Lands (CHC, U)
 HIST 270: Special Topics*
 HIST 343: Migration, Ethnicity, and Race (CHC, U)
 HIST 350: Women, Work, and Leisure 1890-1930 (CHC, U)
 HIST 370: Special Topics*
 SOC 222: Sex and Gender in Society (CSI, U)
 SOC 270: Special Topics*
 SOC 311: Marriage and Family (CHC, U)
 SOC 340: Social Movements and Politics in the U.S. (CHC, U)
 SOC 345: Intersectionality (IT, U)
 SOC 350: Emotions and Society (AV, U)
 SOC 370: Special Topics*
 SOC 380: Sex and Sexualities (CHC, U)

III. NURSING/HEALTH

HLTH 330: Human Sexuality (AV)
 NURS 430: Maternal and Newborn Nursing

IV. NATURAL SCIENCES

PSYC 356: Psychology of Gender (U) (prerequisite PSYC 100)

V. FINE ARTS

MUS 245/345 World Music (IT, G)
 THEA 370: Special Topics*
 THEA 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.

WGSS 101 Introduction to Women's, Gender, and Sexuality Studies (1) (IT, U)

This course offers an introduction to some of the basic concepts and theoretical perspectives in Women, Gender, and Sexuality Studies. Students will engage with foundational feminist and queer scholarship from a range of disciplinary backgrounds. Offered occasionally.

WGSS 270 Special Topics in Women's, Gender, and Sexuality Studies (1)

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 online class schedule to determine if the course earns general education credit. Offered occasionally.

WGSS 370 Special Topics in Women's, Gender, and Sexuality Studies (1) 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 online class schedule to determine if the course earns general education credit. Offered occasionally.

WGSS 397 Internship (1) 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.

WGSS 450 Independent Study (1) 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.

WGSS 490 Senior Seminar (1) (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 as needed.

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 316. The WLLC also offers Modern Languages (ML) courses that are taught in hybrid mode, page 318.

Intercultural Competence Academic Certificate

Data from the National Association of Colleges and Employers (NACE) show that employers are seeking college graduates with strong skills in

intercultural communication. An Academic Certificate in Intercultural Competence will provide students with the necessary skills and knowledge to communicate effectively with people from different cultural and social backgrounds. An interculturally competent student understands the challenges of communicating across cultures, knows the basic theories of intercultural communication, and applies the skills required to communicate effectively with diverse groups of people in different social contexts. More specifically, by completing the Intercultural Competence Certificate, students will be able to (1) identify their own cultural values, beliefs, and assumptions (self-awareness); (2) develop an awareness of individual cultures and social groups different from their own (awareness of others); and (3) adapt to be more inclusive of different cultural perspectives (cultural bridging) by acquiring the necessary skills to live and work in a diverse and complex global society.

The International and Global Studies (IGS) program together with the Department of World Languages, Literatures and Cultures (WLLC) offer an Intercultural Competence Academic Certificate to those students who complete the following requirements:

- 1) INST 240 Thinking Globally: An Introduction (CHC, G)
- 2) LC 250 Intercultural Communication (G)
- 3) Experiential learning component. This requirement might be met with one of the following:
 - a) an academic internship with a global focus (UNIV 398 International Supervised Internship, INST 397 Internship, SPAN 397 Internship);
 - b) an independent research project related to culture and communication in a global society (INST 450, SPAN 491 or equivalent); or
 - c) a study abroad experience with an IWU-approved program.

Additional Notes

Students with demonstrated intermediate language competence in Spanish (SPAN 203 or equivalent) might complete the experiential learning component requirement (number 3) by completing one of the following courses: SPAN 230: Medical Spanish and Cultural Competency for Health Care (U); SPAN 240: Spanish for Social Justice (U); or SPAN 250: Business Spanish and its Cultural Context (G).

American Sign Language

ASL 101 Elementary American Sign Language I (1) 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.

ASL 102 Elementary American Sign Language II (1) 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.

ASL 201 Intermediate American Sign Language (1) (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 316 for information on courses taught in English.

FREN 101 Elementary French I (1) 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.

FREN 102 Elementary French II (1) 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.

FREN 201 Intermediate French (1) (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.

FREN 303 Introduction to Literature I: The Individual and Society (1) (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.

FREN 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.

FREN 499 Independent Study (1) 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, Ferradáns, 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/).

Major Sequence in Hispanic Studies:

Ten Hispanic Studies courses beyond the basic language sequence including:

- 1) SPAN 203: Spanish as a World Language
- 2) SPAN 307: Reading and Writing Culture
- 3) At least two additional courses in Cultures and Identities taken from courses numbered SPAN 321-339
- 4) At least two additional courses in Texts and Con(texts) taken from the courses numbered SPAN 340-369

- 5) Four additional Hispanic Studies elective courses above SPAN 201. Two of these can be a cross-listed SPAN/LC course or an LC class with a focus on Spain, Latin America, and/or Latinx in the US.

Additional notes:

Although study abroad is not required for the Hispanic studies major and minor, it is highly encouraged.

SPAN 203 is the foundation class to the major and minor. If a student is placed into SPAN 303 or takes SPAN 303 first, they cannot enroll in SPAN 203.

One class from requirements (3) or (4) 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 Medical and Health Professions and those with a minor sequence in Hispanic Studies for Business Professions 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:
 - SPAN 303: Communicating Across Cultures in the Spanish-speaking World
 - SPAN 307: Reading and Writing Culture
 - SPAN 308: Introduction to Literature
- 2) One additional course in Cultures and Identities taken from courses numbered SPAN 321-339
- 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 the Medical and Health Professions:

(See also Spanish Language study for Nursing Majors.)

Six Hispanic Studies courses beyond SPAN 201 including:

- 1) SPAN 203: Spanish as a World Language
- 2) SPAN 230: Medical Spanish and Cultural Competency for Health Care
- 3) SPAN 307: Reading and Writing Culture
- 4) One additional course in Cultures and Identities taken from courses numbered SPAN 321-339
- 5) One additional course in Texts and Con(texts) taken from courses numbered SPAN 340-369
- 6) One elective which can be cross-listed SPAN/LC course

Minor Sequence in Hispanic Studies for Business Professions:

Six Hispanic Studies courses beyond SPAN 201 including:

- 1) SPAN 203: Spanish as a World Language
- 2) SPAN 250: Business Spanish and its Cultural Context or BARC 250
- 3) SPAN 307: Reading and Writing Culture
- 4) One additional course in Cultures and Identities taken from courses numbered SPAN 321-339
- 5) One additional course in Texts and Con(texts) taken from courses numbered SPAN 340-369
- 6) One elective which can be a cross-listed SPAN/LC course

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 the foundation class to the major and minor. If a student is placed into SPAN 303 or takes SPAN 303 first, they 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 Professions.

For advanced students, an independent research project is highly encouraged (SPAN 491) Please speak with Hispanic Studies faculty about this possibility.

Basic Language Sequence

SPAN 101 Elementary Spanish (I) 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.

SPAN 102 Elementary Spanish II (I) 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.

SPAN 201 Intermediate Spanish (I) (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

SPAN 203 Spanish as a World Language (I) (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.

Communities, Communication, and Language Courses

SPAN 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.

SPAN 230 Medical Spanish and Cultural Competency for Health Care (I) (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.

SPAN 250 Business Spanish and its Cultural Context (I) (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.

SPAN 301 Topics in Hispanic Studies (I) (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 203. Offered as needed.

SPAN 303 Communicating Across Cultures in the Spanish speaking world (I) (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.

SPAN 305 Travel Seminar (I) 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.

SPAN 307 Reading and Writing Culture (I) (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

SPAN 311 Spanish Across the Curriculum (I) 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 203 or equivalent. Offered occasionally.

SPAN 317 Introduction to Spanish Linguistics (1) (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 203. Offered occasionally.

Cultures and Identities Courses (320-339)

SPAN 321 The Spanish Baroque (1) (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 203. Offered in alternate years.

SPAN 322 The New Spanish Citizen (1) (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 203. Offered in alternate years.

SPAN 324 Muslim Spain: The Rise and Fall of the Caliphate of Córdoba (912-1031) (1) (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 203. Offered in alternate years.

SPAN 326 Latin American Film (1) (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 203 or equivalent. Offered in alternate years.

SPAN 327 Latin American Revolutionaries (1) 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 203. Offered in alternate years.

SPAN 328 Pre-Columbian and Colonial Latin America (1) (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 203. Offered in alternate years.

SPAN 330 The Legacy of the Spanish Civil War (1) (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 203. Offered occasionally.

SPAN 332 Resisting Dictatorship: Spain and Chile (1) (CHC, G) (Cross-listed with 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 203. Offered in alternate years.

SPAN 334 Cultures of the Spanish-speaking Caribbean World (1) (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 203. Offered in alternate years.

SPAN 336 Underground Hip-Hop Culture in the Spanish-speaking Caribbean (1) (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 203. Offered in alternate years.

Texts and Con(texts) Courses (340-369)

SPAN 308 Introduction to Literature (1) (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 203 or equivalent. Offered annually

SPAN 341 Don Quixote: The First Modern Novel (1) (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 203. Offered alternate years.

SPAN 344 Dangerous Texts (1) (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 203. Offered in alternate years.

SPAN 346 Visual Cultures of Modern Spain (1) (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 203. Offered in alternate years.

SPAN 347 Latin American Short Story (1) (LIT) This course will study the short story in Latin America, including Quiroga, Rulfo, Cortazar, Borges, Bombal, Garcia Marquez, and Allende, and the principal literary, social and political movements that produced those stories, such as Regionalism, the Avant Garde, Existentialism, the Boom, the post-Boom and Feminism. Prerequisite: SPAN 203 or equivalent. Offered in alternate years.

SPAN 348 Latin American Women Writers (1) (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 203 or equivalent. Offered in alternate years.

SPAN 351 Identity and Alterity in Latino Literature (1) (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 203. Offered in alternate years.

SPAN 353 Afro-Latino/x Literature (1) (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 203. Offered in alternate years.

Independent Research in Hispanic Studies Courses

SPAN 395 Directed Study (1) 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.

SPAN 397 Internship (.75, 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: consent of instructor. Offered as needed.

SPAN 491 Advanced Directed Study (1) 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 316 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
 - 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.

JAPN 101 Beginning Japanese I (1) 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.

JAPN 102 Beginning Japanese II (1) 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 (1) (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.

JAPN 201 Intermediate Japanese I (1) (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.

JAPN 202 Intermediate Japanese II (1) (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 (1) (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 (1) (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 204 Introduction to Traditional Japanese Craft Arts (1) (AR, G) This three-week travel course explores the foundations of Japanese craft arts focusing on craftsmanship, historical background, geographical uniqueness, and current practices. The course will feature two to three local crafts that gained international fame such as iron-casting, metal/swordsmithing, pottery art, lacquerware, woodblock printing, or glass-working. Offered occasionally.

LC 304 Cross-cultural Communication: US and Japan (1) (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 pre-judice. Offered occasionally.

LC 308 Fashion and Lifestyle in Japan (1) (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 alternate years.

JAPN 310 Studies in Literature and Humanities (1) (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 (1) (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 (1) (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 (LC)

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 (1) (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 (1) (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 202 From Atom to Akira: Japan's Pop Culture (1) (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 232 Resisting Dictatorship: Spain and Chile (1) (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 (1) (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 (1) (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 (1) (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 250 Intercultural Communication (1) (G) This course explores the relationship between language and culture by examining how communication is deeply rooted in cultural and social contexts. At the end of the class, students will be able to identify their own cultural belief-system and develop an awareness of individual cultures and social groups different from their own. Offered annually.

LC 251 Identity and Alterity in Latino Literature (1) (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 270 Special Topics (1) 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 online class schedule to determine if this course fulfills general education requirements. Offered occasionally.

LC 308 Fashion and Lifestyle in Japan (1) (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 (1) (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 (1) (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 Glorious Past: Italian Civilization from the Risorgimento to the Present (1) (IT) 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 (1) 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 online class schedule to determine if this course fulfills general education requirements. Prerequisite: Gateway Colloquium. Offered occasionally.

LC 377 Studies in Comparative Literature (1) 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.

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 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 307.

Hispanic Studies, see page 307.

Spanish, see Hispanic Studies page 307.

Japanese Studies, see page 314.

Literature and Culture Studies in English Translation, see page 316.

ML 101, 102 Beginning Modern Language I & II (1) (1) 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 201 Intermediate Modern Language I (1) (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 (1)/(1) (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 alternate years.

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.

Communication, including Journalism

In our mediated world, stories matter, and individuals who are able to communicate effectively will rise to the top, especially in strategic communication, public relations, journalism, and marketing; as well as a host of more specialized subfields. Along with the breadth of a strong liberal arts curriculum, Illinois Wesleyan offers a Communication major and a minor in Journalism and Communication, each of which emphasize research, storytelling, strategic written and oral communication, and practical applications, including internships. Illinois Wesleyan students are prepared to find work in communication professions immediately after graduation, and also are well positioned to enter a graduate program in communication.

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 Dean of the School of Educational Studies 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.

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.

Engineering Pathways

Illinois Wesleyan University offers 5 unique pathways for students who wish to enter the engineering profession:

- Graduate from IWU with a 4-year degree and go directly into an engineering job.
- 3-2 Dual-Degree Program:
 1. At the end of your 3rd year at IWU, enter into our 3-2 program for an additional 2 years and either get a dual degree or specialization at one of our partner schools, or a school of your choosing.
 2. This is not a transfer. With the 3-2 program, you will have two bachelor's degrees: one from IWU and one from the other school you attend. The Institutional Liaison for Engineering Pathways is available to provide advising that will support your success at both institutions.
 3. We have special affiliations with Case Western Reserve (Cleveland), Washington University (St. Louis, and Columbia University (New York City) which, in practice, means you are virtually assured dual-degree admission if you meet all requirements for the engineering curriculum at the affiliated school. It is also possible to make individual arrangements with other institutions.
- 3-3 Triple-Degree Program
 1. Attend IWU for 3 years, then attend one of our partner schools, or a school of your choosing, for 3 more years. At the end of the 6 years, you'll have earned 2 bachelor's degrees (one from IWU and one from the other school you attend), as well as a master's degree from the other institution.
 2. Students who participate in Washington University's 3-3 Engineering Program will enroll directly into an Engineering Master's program and an undergraduate engineering program at WashU after their 3 years at IWU.
- Graduate from IWU with a 4-year degree and go directly into an Engineering Master's program. (Note: because of their detailed familiarity with our offerings, some of our affiliate institutions offer IWU students a streamlined admissions process into their graduate programs.)
- Get your Ph.D.

Interested students are encouraged to make use of the Institutional Liaison for Engineering Pathways, as part of their academic advising.

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.

[KEY]

- Majors ● Minors
- ▲ Concentrations
- ◆ Certificates

COLLEGE OF LIBERAL ARTS

Advocacy ●

- Law ▲
- Non-profit Management ▲
- Public Administration ▲

Biochemistry ■ ●

Biology ■ ●

Chemistry ■ ●

Communication ■

Computer Science ■ ●

Criminology ●

Data Science ■ ●

- Data Analytics ◆

Engineering Pathways ■ ●

English – Literature ■

English – Writing ■

- Creative Writing ●
- English ●
- Journalism & New Media ●

Environmental Studies ■ ●

- Ecology ▲
- Global Sustainability, Policy & Justice ▲
- Nature & Society ▲

Film Studies ●

Hispanic Studies ■ ●

- Hispanic Studies for Business, Accounting, Finance, Entrepreneurship & Marketing ●
- Hispanic Studies for Nursing and Healthcare Majors ●

History ■ ●

Humanities ●

Intercultural Competence ◆

International & Global Studies ■

- Asian Studies ● ▲
- International Relations & Global Development ● ▲

Japanese Studies ●

Mathematics ■ ●

- Actuarial Science ● ▲
- Statistics ● ▲

Neuroscience ■ ●

- Behavioral ▲
- Cellular/Molecular ▲

Philosophy ■ ●

Physical Education, Sport and Wellness

- Physical Education ●
- Coaching ●
- Sports Management ●

Physics ■ ●

- Astrophysics ▲
- Optics & Photonics ▲
- Quantum Science and Technology ▲

Political Science ■ ●

Product Design ●

Psychology ■ ●

Spanish (See *Hispanic Studies*)

Secondary Education

(See *Educational Studies*)

Sociology ■ ●

Sociology-Criminology ■

Women's, Gender, and Sexuality Studies ■ ●

COLLEGE OF FINE AND PERFORMING ARTS

School of Art and Design

Art, BA ■

- Graphic Design ● ▲
- Studio Art ● ▲

Art, BFA ■

- Graphic Design ▲
- 2D Studio Art ▲
- 3D Studio Art ▲

Art History ●

School of Music

Music, BM

- Instrumental Performance ■
- Piano Performance ■
- Vocal Performance ■

Music, BA ■ ●

- Arts Management ●
- Jazz Studies ●
- Jazz for Non-music Majors ●

Music Education, BME ■

School of Theatre Arts

Theatre Arts, BA ■ ●

- Arts Management ●
- Dance ● ◆
- Film Studies ●
- Theatre Arts Design & Technology ●

Theatre Arts, BFA

- Acting ■
- Music Theatre ■
- Theatre Arts Design & Technology ■

SCHOOL OF EDUCATIONAL STUDIES

- Elementary Education ■
- Secondary Education ■
 - English Language Arts ■
 - Mathematics ■
 - Science: Biology ■
 - Science: Physics ■
 - Social Science: History ■
 - Spanish ■
- Physical Education ■
- Interdisciplinary Educational Studies ■ ●
 - Child and Family Studies ▲
 - Education, Identity and Public Policy ▲
 - Education and International Studies ▲
 - Reading Intervention ◆

SCHOOL OF BUSINESS AND ECONOMICS

- Accounting ■
 - Accounting for Business Related Majors ●
- Arts Management ●
- Business ■
 - Business Administration ●
 - Human Services Management ●
- Economics ■ ●
 - Financial Economics ●
- Entrepreneurship ■ ●
- Finance ■ ●
 - Finance for Business Majors ●
 - Finance for non-Business Related Majors ●
- Marketing ■
- Professional Sales ■
- Quantitative Finance ■
- Supply Chain Management ■

SCHOOL OF NURSING AND HEALTH SCIENCES

- Health ●
- Kinesiology and Allied Health ■
- Exercise Science ●
- Nursing, BSN ■
 - Hispanic Studies for Nursing and Healthcare Majors ●
- Nutrition ■
- Public Health ■ ●

PRE-PROFESSIONAL PROGRAMS

- Pre-Dentistry
- Pre-Engineering
- Pre-Forestry and Environmental Management
- Pre-Law
- Pre-Medicine
- Pre-Occupational Therapy
- Pre-Physical Therapy
- Pre-Physician Assistant
- Pre-Veterinary Medicine