New Courses

AGNR 4500. Leadership Development in Extension Education

Three credits. Prerequisites: Junior or senior standing or graduate student; open to students from the College of Agriculture, Health and Natural Resources, others with instructor consent.

Introduces students to extension, outreach education and other forms of public engagement (governmental and nongovernmental). Intended for students interested in a career in or knowing about outreach education and public engagement. The extension mission, history, organization, programming, program development, extension teaching and delivery methods, and the involvement and use of volunteers. Team-based collaborations, informal teaching/learning methods as well as social processes and influences, organizational behavior and relationships, program evaluation and assessment, communications, ethics, and decision-making.

AH 3320. Introduction to Infectious Diseases

Two credits. Prerequisite: BIOL 1107; open only to junior or higher Allied Health majors, others with consent of instructor. Recommended preparation: CHEM 2241 or 2443 and 2444.

The role of the healthcare professional in dealing with infectious diseases. Epidemiology and public health, healthcare epidemiology, pathogenesis and diagnosing of infectious diseases, overview of the major infectious diseases of humans.

AH 4501. International Health

Three credits. Prerequisite: Open to juniors and higher.

Global (medical, cultural and economic) health challenges. Children’s and women’s health. Communicable and non-communicable diseases.

ANSC 3318. Probiotics and Prebiotics

Three credits. Three 50-minute class periods. Recommended preparation: MCB 2610 or equivalent; can be taken concurrently.

Biology, uses, effectiveness and safety of probiotics and prebiotics. Molecular mechanisms underlying the health benefits attributed to the consumption of pre and probiotics. Application of pre- and probiotics to promote human and animal health, including safety and regulation.

ANTH 2400. Honors Core: Analyzing Religion

Three credits. Recommended for first-year and sophomore students in the Honors Program; open to all.


ARE 3333. Computational Analysis in Applied Economics

Three credits. Prerequisites: STAT 1000Q or STAT 1100Q, or similar; laptop computer in class. Recommended preparation: ECON 1200 or ECON 1201 or ARE 1150.

Fundamental concepts of statistics and economics through analysis of economic data using computer spreadsheets.
ART 3605. Ceramic Art: Materials and Methods
Three credits. Two 3-hour studio periods. Prerequisite: ART 2610 or instructor consent.

Introduction to contemporary ceramic art materials, methods and studio practices, including clay properties and preparation, ceramic surface treatment investigations, kiln function and firing. Studio assignments focus on enhancement of skill in design and fabrication of ceramic objects. Presentations, discussions and critiques explore ideas and issues in the field of ceramic art.

ART 3998. Variable Topics
One to six credits. May be repeated with a change in content for a maximum of six credits. Prerequisites and recommended preparation vary. Instructor consent required.

BADM 3252. Corporate Social Impact and Responsibility
Three credits. Open only to non-business students of junior or higher status. Not open to students who have passed or are taking BLAW 3252.

Social impact and human rights implications related to global operations of multinational corporations; regulatory environment and competitive contexts that govern responsible business conduct on a global scale, how to navigate regulatory mandates and design social responsibility strategies to increase a firm’s reputation, reduce costs, and improve its competitive positioning while respecting human rights principles.

BADM 3254. Business Solutions to Societal Challenges
Three credits. Open only to non-Business students of junior or higher status. Not open to students who have passed or are taking BLAW 3254 or HRTS 3254.

Market-based solutions to social and human rights challenges; how companies create value both for society and business, including role of for-profit businesses as agents for positive social impact in changing legal, regulatory, policy, and market environments. Regulatory and business strategies for long-term economic viability, sustainability, and human rights. Social innovation, statutory benefit corporations, corporate social certifications, social investment, shared value, strategic philanthropy, and business opportunities serving emerging markets.

BLAW 3252. Corporate Social Impact and Responsibility
Three credits. Open only to Business majors of junior or higher status. Not open to students who have passed or are taking BADM 3252.

Social impact and human rights implications related to global operations of multinational corporations; regulatory environment and competitive contexts that govern responsible business conduct on a global scale, how to navigate regulatory mandates and design social responsibility strategies to increase a firm’s reputation, reduce costs, and improve its competitive positioning while respecting human rights principles.

BLAW 3254. Business Solutions to Societal Challenges
Three credits. Open only to Business majors of junior or higher status. Not open to students who have passed or are taking BADM 3254 or HRTS 3254.

Market-based solutions to social and human rights challenges; how companies create value both for society and business, including role of for-profit businesses as agents for positive social impact in changing legal, regulatory, policy, and market environments. Regulatory and business strategies for long-term economic viability, sustainability, and human rights. Social innovation, statutory benefit corporations, corporate social certifications, social investment, shared value, strategic philanthropy, and business opportunities serving emerging markets.
BME 3600. Biomechanics

Four credits. Lecture and laboratory. Prerequisite: BME 2101; BME 3150 or CE 2110; open only to Biomedical Engineering majors; others by instructor consent.

Application of solid mechanics theory to describe and analyze mechanical behaviors of biological tissues. Basic concepts in mechanics of materials, including the essential mathematics, kinematics of deformation and motion, stress, constitutive relations. Biomechanics principles; identifying, formulating and solving problems related to bone, cartilage, tendon, cardiac and vascular tissues. Introduction of experimental methods and computational modeling of biological tissues. A separate laboratory component will introduce students to experimental methods in more detail. Laboratory reports with revisions are required.

BME 3900. Junior Design

Three credits. Prerequisites: BME 2101, 3500, and 3600/W.

Students work through a structured process that emulates an open-ended, real-world design of a biomedical engineering product. Project definition and product specifications, project scheduling and management, team interactions, failure and safety criteria, progress reporting, marketing concepts, ethical issues, prototype development, proper documentation and technical presentation of the final project outcomes. Includes a significant writing component, makes use of computers and design software, and involves hands-on design explorations. Students will complete a semester-long design project that demonstrates the skills and knowledge learned during the course in preparation for the capstone design experience.

CAMS 3256W/HEJS 3218W/HIST 3330W. Palestine Under the Greeks and Romans

Three credits. Prerequisite: CAMS 1101 or 1102 or CAMS 3253/HIST 3301 or HIST 3320 or 3325 or INTD 3260 or HEJS 1103 or HEJS 3202 or instructor consent; ENGL 1010 or 1011 or 2011; open to juniors or higher. Taught in English. May not be used to meet the foreign language requirement. Miller

The political, historical and religious currents in Greco-Roman Palestine. Includes the Jewish Revolts; sectarian developments, the rise of Christianity and the Talmudic academies.

CE 3251. Civil and Environmental Engineering Applications of Probability and Statistics

One credit. Prerequisite: STAT 1100. Recommended Preparation: MATH 1121Q or 1131Q or 1151Q. This course and CE 2251 or ENVE 2251 may not both be taken for credit. Open only to Civil Engineering and Environmental Engineering majors.

Multiple regression. Analysis of variance. Student project applying probability or statistics in a civil or environmental engineering context.

CHEG 4143W. Chemical Engineering Capstone Design II

Three credits. Prerequisite: CHEG 4140 and CHEG 4142; ENGL 1010 or 1011 or 2011; open to juniors or higher; open only to Chemical Engineering majors.

Continuation of work on chemical process and simulation projects assigned in CHEG 4140. Group work, written and oral communication, and presentation of the final project, which analyzes a chemical process from technical, economic, safety, and environmental perspectives.

CHIN 3275. Introduction to Chinese Linguistics

Three credits. Prerequisite: CHIN 1112.

Introduction to Chinese phonetics, phonology, morphology, syntax, writing system, and sociolinguistic aspects. Taught in English.
COMM 4035W. Advanced Media Effects
Three credits. Prerequisite: COMM 1000 and 1300; ENGL 1010 or 1011 or 2011; open to juniors or higher.
Contentious topics in current media effects research, and their theoretical implications. Topics may include sexual content on television, pornography, alcohol on television, video games, and media impact on body image.

COMM 4200. Advanced Interpersonal Communication
Three credits. Prerequisite: COMM 1000 and 3200.
An advanced approach to interpersonal communication focusing on theories and their applications. Topics may include affection exchange theory, theories of uncertainty, attachment theory, communication privacy management theory, interpersonal deception theory, and relational dialectics theory.

COMM 4250. Communication in Conflict Management
Three credits. Prerequisite: COMM 1000 and 3200. Recommended preparation: COMM 3100.
The principles of communication underlying conflict and its management, including negotiation and intervention strategies, in interpersonal, group/organizational, and inter-group conflict.

CSE 4704. Computational Geometry
Three credits. Prerequisite: CSE 3500; open only to students in the School of Engineering.
An extension of sorting, searching, selection, and graph algorithms to geometric problems. This includes algorithms and data structures for constructing geometric objects, computing geometric properties, and answering geometric queries as well as techniques for the analysis of their correctness and complexity.

DGS 4810. Suspension Cell Culture, Harvest, and Analysis
Six credits. Practicum course. Prerequisites: A grade of C or better in DGS 3222, 3223, 4224, and 4248; open only to DGS majors.
Techniques for processing suspension cell cultures and for isolating and identifying human chromosomes from suspension cell samples (bloods, bone marrows, and/or solid tumors). Culture, harvest, staining, microscopic analysis, and karyotyping of suspension cell samples.

DGS 4820. Attached Cell Culture, Harvest, and Analysis
Six credits. Practicum course. Prerequisites: A grade of C or better in DGS 3222, 3223, 4224, and 4248; open only to DGS majors.
Techniques for processing attached cell cultures and for isolating and identifying human chromosomes from attached cell samples (amniotic fluids, chorionic villus samples, products of conception, skin biopsies, and/or tumors, etc.). Culture, harvest, staining, microscopic analysis, and karyotyping of attached cell samples.

DGS 4830. Molecular Cytogenetic Technologies
Three credits. Practicum course. Prerequisites: A grade of C or better in DGS 3222, 3223, 4224, 4234/W, 4235, and 4248; open only to DGS majors.
Hands-on experience in fluorescence in situ hybridization (FISH) and other molecular cytogenetic technologies as applicable (e.g.: microarrays).
DGS 4850. Investigative Topics in Laboratory Genetics
One credit. Practicum course. Prerequisites: A grade of C or better in DGS 3222, 3223, 4224, 4234/W, 4235, 4236, and 4248; and AH 4241; open only to DGS majors.
Exploration of an area of individual interest in laboratory or clinical genetics.

DMD 2020. Design Thinking
Three credits. Lecture and in-class work sessions led by instructor. Prerequisites: DMD 1000 and 1030; open only to Digital Media and Design majors, others by instructor consent.
Design thinking as a process that employs immersion, empathy, ideation, definition, prototyping and testing leading to innovative discovery. The ways in which diversity of culture, experience and thought lead to innovation while examining the value of a human-based design process on the growth and direction of culture and society at large and how designers can participate in driving that process.

DMD 3020. Design Lab
Three credits. Two 1:20 classes per week composed of lecture and in-class work sessions led by instructor. Prerequisites: DMD 1000 and 1030; open only to Digital Media and Design majors. Instructor consent required.
The theory, principles and practices of digital screen-based visual communication. Through a multi-disciplinary perspective involving art, design, art history, and media studies, students will address how culture visualizes screen-based communication through both image and type.

DMD 3730. Digital Consumer Behavior
Three credits. One 3-hour class per week. Prerequisites: DMD 2700, 2710; Open only to Digital Media and Design majors; open to non-majors by instructor consent. Recommended preparation: STAT 1000Q or higher.
Explores and analyzes the changes in consumer decision-making and behavior in today's digital world.

DMD 3993. Foreign Study
Variable credit (1-12). Prerequisite: Open only in consultation with Education Abroad program and with consent of departmental study abroad coordinator. Departmental consent required, normally before the student's departure to study abroad. May be repeated for credit with a change in course content.
Special topics taken in a foreign study program.

DMD 3998. Variable Topics
Variable credit (1-6). Prerequisite: Instructor consent required. May be repeated for credit with a change in course content. Prerequisites and recommended preparation vary.
Variable topics.

DMD 4015. Degree Exhibition
One credit. Prerequisite: Open to Digital Media and Design majors with the consent of the instructor.
Preparation of a project or portfolio for presentation in the Digital Media & Design Department's Degree Exhibition. May be taken in conjunction with the B.F.A. internship or senior project or B.A. senior thesis.
DMD 4025. Portfolio and Professional Development: Putting it All Together

Two credits. Two 1½-hour long classes per week composed of lecture and in-class work sessions led by instructor.
Prerequisites: Open to seniors or graduate student in good academic standing with the DMD department; others by instructor consent.

Seeks to prepare advanced students for the transition to work by developing a professional-grade portfolio, website, social media presence and communications collateral and skills.

DMD 4075. Senior Project

Three credits. Prerequisite: Open to Digital Media and Design majors with the consent of the instructor.

Development of a project in the student's area of concentration that demonstrates vigorous and consistent thematic engagement and articulates both technical and conceptual sophistication. To be taken twice in two consecutive semesters in the student's senior year. To fulfill the graduation requirement for B.F.A., students must pass with a grade of C or better.

DMD 4086. Senior Thesis in Digital Humanities

Three credits. Prerequisite: Open only to Digital Media and Design majors with the consent of the instructor.

Preparation and presentation of a thesis that demonstrates vigorous and consistent intellectual engagement and articulates technical, conceptual, and scholarly sophistication. To be taken twice in two consecutive semesters in the student's senior year.

DRAM 1215. Theatre Production: Makeup and Wardrobe for the Actor

Three credits. Two 2-hour lectures per week and running crew (lab) assignment. Prerequisite: Instructor consent required.
Introduction to the technology, tools, and materials used in makeup and wardrobe for actors.

DRAM 1216. Theatre Production: Lighting and Sound

Three credits. Two 2-hour lectures per week and running crew (lab) assignment. Prerequisite: Instructor consent required.
Introduction to the technology, tools, and materials used in lighting and sound for the theatre.

DRAM 1217. Theatre Production: Costumes and Makeup

Three credits. Two 2-hour lectures per week and running crew (lab) assignment. Prerequisite: Instructor consent required.
Introduction to the technology, tools, and materials used in costumes and makeup for the theatre.

DRAM 1218. Theatre Production: Stagecraft

Three credits. Two 2-hour lectures per week and running crew (lab) assignment. Prerequisite: Instructor consent required.
Introduction to the technology, tools, and materials used in constructing and rigging theatrical scenery.

DRAM 3610. Movement-Based Performance for the Puppet Theatre I

Three credits. Six studio hours per week. Prerequisite: Open only with instructor consent.
This course is designed to awaken and develop imaginative and skilled theatrical performers through devising work and exploration of movement-based theatre techniques.
DRAM 3995. Special Topics in Dramatic Arts

Three credits. Three class hours per week. Prerequisite: Open to Dramatic Arts majors and minors, others with instructor consent. Course content may vary each semester based on instructor expertise. May be repeated for a maximum of 9 credits with a change in topic.

DRAM 3998. Variable Topics in Dramatic Arts

Three credits. Three class hours per week. Prerequisite: Open to Dramatic Arts majors and minors; others with instructor consent. May be repeated for a maximum of 9 credits with a change in topic.

ECON 2312. Empirical Methods in Economics II

Three credits. Prerequisite: ECON 2311.

Analysis of economic time series, estimation of single- and simultaneous-equation economic models, and statistical decision theory.

ECON 2447. Economics of Sports

Three credits. Prerequisite: ECON 1200 or 1201

Microeconomic principles applied to the business of sports. Player salaries; anti-trust issues and collective bargaining; discrimination; economics of franchising; ticket pricing, revenue sharing, and competitive balance; impact of franchises on local economies.

EDCI 2100. Power, Privilege and Public Education

Three credits. Recommended for students considering applying to the Neag School of Education their sophomore year.

Service learning course. Interdisciplinary analysis of the development and structure of schooling, teaching, and learning in American society; impact of public education on its many and diverse stakeholders. Includes topics such as: equity and excellence, historical, socio-cultural, philosophical, political, and legal frameworks of education, and current educational reform efforts.

EDCI 3010. Elementary Curriculum Standards and Integration

One credit.

The role of national curriculum standards and analysis of curriculum resources and the implementation of curriculum in the elementary setting. Focus on media arts-related standards found across language arts, mathematics, science, and social studies curriculum standards.

EDCI 3100. Multicultural Education, Equity and Social Justice

Three credits. Prerequisite: Open only to students in the Integrated Bachelor’s/Master’s Teacher Preparation program.

Introduction to multicultural education. Includes the nature and purposes of schooling, the relationship between diversity, schooling and society, and the concepts and practices of multicultural education and equity pedagogy.

EDLR 3550. Sport Management Senior Seminar

Three credits.

Career preparation, the transition from student to professional, and the development and maintenance of networks in the sport industry.
EDLR 3600. Educational Policy and Reform

Three credits.

Survey of educational policy and reform movements from the last century with applications in contemporary policy. Emphasis on critically evaluating existing policies and proposals.

EEB 3266. Field Herpetology

Three credits. Prerequisite: BIOL 1108, or consent of instructor.

Field-intensive study of diversity, ecology, physiology, behavior, adaptation and identification of the amphibians and reptiles of the region; herpetofaunal research methods. Field trips required.

EEB 4262. Field Methods in Ornithology

Three credits. Prerequisites: Six credits of college biology, including BIOL 1108, or consent of instructor.

Design of bird population surveys, census methods, behavioral studies of wild birds, data collection and reporting, bird identification skills. Field trips required.

ENGR 3215. Statistical Quality Control and Reliability for Manufacturing

Three credits. Prerequisites: MATH 2110Q; open to juniors or higher.

Foundation of quality control and reliability in manufacturing systems. Probability and statistics, principles and methods of modern quality control in manufacturing, Six Sigma, control charts for measurement and attribute data, development and utilization of control charts, manufacturing process capability studies, ANOVA and linear regression of measurement data, experimental design, response surface and Taguchi methodology, acceptance sampling, reliability prediction and modeling in manufacturing systems.

ENGR 3257. Assessment for Human Rights and Sustainability

Three credits. Taught jointly with HRTS 3257. Not open for credit to students who have passed or are taking HRTS 3257.

Foundational concepts of human rights and environmental impacts pertaining to global supply chains. Regulations and voluntary standards in engineering-intensive sectors, including infrastructure, biofuels, electronics. Case study analysis of corporate assessment practices for labor rights protection and environmental impacts.

ENVS 3993. Foreign Study

Credits (up to a maximum of 15) and hours by arrangement. Prerequisite: Consent of Program Director required, normally to be granted before the student's departure. May count toward the major with consent of the advisor. May be repeated for credit.

Special topics taken in a foreign study program.

ENVS 3999. Independent Study

Credits and hours by arrangement. Prerequisite: Open only with consent of instructor and program director. May be repeated for credit with a change in subject matter.
### FNCE 3335. Commercial Real Estate Appraisal

Three credits. Prerequisite: Open only to Business majors of junior or higher status.

The process used to complete a commercial appraisal assignment, determining a dollar value, as of a certain date, for income producing real estate. Follows standards set by the Appraisal Institute Uniform Standards of Professional Appraisal Practice. Provides students with tools to conduct their own appraisal assignment and answer questions typical of an exam required by the Appraisal Institute. These skills are widely recognized in the real estate industry and are in demand through all phases of the real estate cycle.

### GEOG 2400. Introduction to Sustainable Cities

Three credits.

Pathways to make cities more sustainable from social, economic, and environmental perspectives. Topics include sustainable transportation, renewable energy, recycling of waste, and green infrastructure in contemporary metropolitan areas in developed and developing nations.

### GEOG 2410. New Digital Worlds of Geographic Information Science

Three credits.

The role of geospatial technologies in science and society; how these technologies address environmental issues; how further development of these technologies may impact lives in the future. Provides a strong conceptual and scientific foundation for further coursework and includes discussion of career opportunities in GIScience.

### GEOG 4096W. Senior Thesis

Three credits. Hours by arrangement. Prerequisite: ENGL 1010 or 1011 or 2011; one 3000-level or above course in GEOG and/or 3 credits of independent study in geography; open to juniors or higher; open only with consent of instructor and department head.

### HDFS 3311W. Parenthood and Parenting

Three credits. Prerequisite: HDFS 2100 or PSYC 2400; and HDFS 1070 or 2200; ENGL 1010 or 1011 or 2011; open to juniors or higher who are HDFS majors.

Parent behavior and the dynamics of parenthood; interpersonal, familial, and societal roles of parents and variables influencing these roles across the lifespan. CA 2.

### HDFS 3540W. Child Welfare, Law and Social Policy

Three credits. Prerequisite: HDFS 2100 or PSYC 2400; and HDFS 2004W or PSYC 2100; ENGL 1010 or 1011 or 2011; open to juniors or higher; open only to HDFS majors.

Examines the methods through which empirical social science research can affect law and public policy affecting children and families. CA 2.

### HIST 1250. Sports in History

Three credits.

The sports peoples around the globe have played and watched from ancient Greece to the present and the meanings of athletic performance and spectacle.
HIST 3820. History of Modern Chinese Political Thought

Three credits.

Survey of Chinese political ideas and ideologies since the nineteenth century.

HRTS 3254. Business Solutions for Societal Challenges

Three credits. Open only to non-business students of junior or higher status. Not open to students who have passed or are taking BADM 3254 or BLAW 3254.

Market-based solutions to social and human rights challenges; how companies create value both for society and business, including role of for-profit businesses as agents for positive social impact in changing legal, regulatory, policy, and market environments. Regulatory and business strategies for long-term economic viability, sustainability, and human rights. Social innovation, statutory benefit corporations, corporate social certifications, social investment, shared value, strategic philanthropy, and business opportunities serving emerging markets.

HRTS 3257. Assessment for Human Rights and Sustainability

Three credits. Taught jointly with ENGR 3257. Not open for credit to students who have passed ENGR 3257.

Foundational concepts of human rights and environmental impacts pertaining to global supply chains. Regulations and voluntary standards in engineering-intensive sectors, including infrastructure, biofuels, electronics. Case study analysis of corporate assessment practices for labor rights protection and environmental impacts.

HRTS/PHIL 3219W. Topics in Philosophy and Human Rights

Three credits. Prerequisite: ENGL 1010 or 1011 or 2011; one 3-credit course in Philosophy or instructor consent; open to juniors or higher. With a change in content, may be repeated for credit.

What are human rights? Why are they important? Topics may include the philosophical precursors of human rights, the nature and justification of human rights, or contemporary issues bearing on human rights.

HRTS/PHIL 3220W. Philosophical Foundations of Human Rights

Three credits. Prerequisite: ENGL 1010 or 1011 or 2011; at least one of PHIL 1101, 1102, 1103, 1104, 1105, 1106, or 1107. Ontology and epistemology of human rights investigated through contemporary and/or historical texts. CA 1.

LLAS 1000. Introduction to Latina/o Studies

Three credits.

Interdisciplinary examination of the Latina/o experience and its impact across the United States. Consideration of behavioral, institutional and societal perspectives; national and transnational identity; cultural, legal and educational issues.

MARN 3893. Foreign Study

Credits and hours by arrangement up to a maximum of six credits. Prerequisite: Consent of department head required, preferably prior to the student’s departure. With a change in content, may be repeated for credit.

MARN 4018. Ecology of Fishes

Three credits. Prerequisite: MARN 3014.

General concepts in fish ecology such as distribution, feeding, bioenergetics, growth, larval fish ecology, biotic interactions, life history evolution and other contemporary research topics.
MAST 1993. International Study
Credits and hours by arrangement. Consent of program coordinator required, normally to be granted before the student’s departure. May be repeated for credit.
Coursework completed while abroad.

MAST 2993. Foreign Study
Credits and hours by arrangement. Consent of program coordinator required, normally to be granted before the student’s departure. May be repeated for credit. May count toward major with consent of advisor and program coordinator.
Coursework completed while abroad.

MAST 3993. Foreign Study
Credits and hours by arrangement. Consent of Department Head required, normally to be granted before the student’s departure. May be repeated for credit. May count toward major with consent of advisor.

MAST 4993. Foreign Study
Credits and hours by arrangement. Consent of Department Head required, normally to be granted before the student’s departure. May be repeated for credit.

MEM 4977. Senior Design for Visiting International Students
Three credits. Prerequisites: Open only to visiting international students subject to prior approval of the Management and Engineering for Manufacturing co-directors. Not open to UConn students.
A one-semester version of the capstone design course for the Management and Engineering for Manufacturing Program. Both written and oral reports are required. Students will work on an engineering design project focused on product/process creation or improvement, including problem definition, background, and proposed solutions, followed by fabrication or implementation and testing to meet a detailed specification of engineering requirements.

MLSC 4500. Laboratory Operations and Professional Practice
Two credits. Two hours of lecture. Prerequisite: Open to Medical Laboratory Sciences and Diagnostic Genetic Sciences majors, others with consent of instructor.
Professionalism and basic management practice in the clinical laboratory. Human resource management, continuous quality improvement/performance improvement, financial management. Educational methodology and terminology and communication skills

PHRX 3058. Future Pharmacy Leaders
One credit. Open to first year Pharmacy students.
A broad overview of leadership development, appreciation of personal strengths, and professional development. Run in collaboration with the University’s Office of Leadership Programs, with the school’s Phi Lambda Sigma members serving as mentors.

PHRX 3095. Special Topics
Credits by arrangement. Prerequisite: Open only to Pharmacy students. This course may be repeated for credit.
PLSC 2100. Environmental Sustainability of Food Production in Developed Countries

Three credits. Not open for credit to students who have passed PLSC 3995 when taught as Environmental Sustainability of Food Production in North America.

Foundations of modern systems that produce the majority of food calories consumed in North America and other developed countries. Benefits and environmental risks associated with modern food production systems. Alternative food production systems and sustainability. Local food production and food security. Food production and climate change.

PLSC 2500. Principles and Concepts of Agroecology

Three credits. Suggested preparation: introductory course in plant biology or environmental science.


PLSC 3081. Internship Experience (Zero Credit Version)

Zero credit. Hours by arrangement. Prerequisite: Instructor consent. Students taking this course will be assigned a grade of S (satisfactory) or U (unsatisfactory). May be repeated.

Provides opportunity for students to gain practical experience, knowledge, and professional skills in a work environment related to employment and careers in plant science or landscape architecture. Students work with instructor and internship supervisor to develop a learning contract and plan of work to ensure meaningful and educational tasks and experiences.

PNB 3340. Non-coding RNAs in Human Physiology and Disease

Two credits. Spring semester. Prerequisite: MCB 2400 or 2410; MCB 2000 or 3010; MCB 2210 or PNB 2275; open to juniors or higher.

Non-coding RNAs: discovery, major classes, regulatory pathways, physiology, disease, research methodology.

PNB 3350. Membrane Transport in Health and Disease

Three credits. Prerequisites: One 2000 level course in PNB, or instructor consent. Open to juniors or higher.

Fundamental mechanisms by which water and small molecules are transported across biological membranes. Biophysical and biochemical analysis of transport by diffusion, osmosis, channels, carriers and pumps in health and disease.

PNB 3500. Cardiorespiratory Physiology

Two credits. First nine weeks. Prerequisites: One 2000-level course in PNB, or instructor consent; open to juniors or higher.

Cellular and molecular mechanisms controlling cardiovascular and respiratory function in health and disease.

POLS 3023. Politics and Literature

Three credits. Prerequisite: Open to juniors or higher; freshmen and sophomores by permission.

An examination of major works of literature that either describe governing systems and institutions, interpret political processes and clashes, or address perennial themes in political philosophy and theory.

POLS 3211. Politics of Water

Three credits. Prerequisite: Open to juniors or higher. Recommended preparation: POLS 1202 or 1207.

The role of water in state building, state-society relations, and economic and political development. Draws on approaches from comparative politics and international relations.
POLS 3214. Comparative Social Policy
Three credits. Prerequisites: POLS 1202 or 1207 or instructor consent; open to sophomores or higher.
Institutional structures of modern welfare states, including systems of social insurance, healthcare, and education. Assessment of leading political explanations for their growth and cross-national differences among them.

POLS 3250. The Political Economy of East Asia
Three credits. Prerequisite: Open to juniors and higher. Recommended preparation: 1000-level courses in political science and economics.
Economic, political, and social development of East Asia.

POLS/WGSS 3249. Gender Politics and Islam
Three credits.
Construction of gender in Islamic texts and history, the religion's interaction with other patriarchal cultures and systems, western interventions and their impact, male leaders' reform efforts, women's movements.

PSYC 3270. Current Topics in Behavioral Neuroscience
Three credits. Prerequisite: Instructor consent required. With a change in topic, course may be repeated for credit.
Selected topics vary with each offering (e.g., The Neurobiology of Memory and Decision-Making, Sensory Coding and Decoding, Animal Models of Basal Ganglia Dysfunction, Animal Models of Developmental Disorders).

PVS 3093. Foreign Studies in Pathobiology
Credits and hours by arrangement. Prerequisite: Open only with instructor consent. May be repeated for up to 15 credits.
Special topics taken in a foreign study program.

PVS 3700. Emerging Infectious Diseases
Three credits. Prerequisite or corequisite: MCB 2610.
Mechanisms of emergence that different pathogens have used to cause disease in new hosts.

SOCI 2275. Social Well-Being
Three credits.
Socially-embedded facets of well-being. Definitions and levels of well-being; relationship of well-being to social situations, social interactions, and social institutions.

SOCI 2275W. Social Well-Being
Three credits. Prerequisite: ENGL 1010 or 1011 or 2011. Open to sophomores and higher.
The experience of well-being in society. Includes demographic correlates of well-being, connections to social situations, social interactions, social structures, and culture.
SPAN 3171. Spanish for Engineers

Three credits. Prerequisite: SPAN 1004 or three or more years of Spanish in high school

Introduction to Spanish in the fields of engineering. Preparation for the engineering and industrial job market in the Hispanic world. Designed to meet the needs of students desiring to use Spanish as a tool for industry or commerce.

UNIV 1730. Holster Research Proposal Development

Second semester. One credit. Prerequisite: Open only to first-year Honors students. Permission and advance application required. Students taking this course will be assigned a final grade of S (satisfactory) or U (unsatisfactory).

Developing research ideas into fundable, discipline-appropriate research applications. Topics may include drafting and revision of statements; meeting compliance requirements; budgeting; completing a literature review; creating a timeline; and practicing interview skills. Culminates in proposal for Holster Scholars Program.

WGSS 3672. Feminist Development Studies and Practice

Three credits. Prerequisites: Open to juniors or higher.

Feminist development theories and practices applied to Third World or Global South countries, and drawing on related social science and humanities traditions.

WGSS 3718. Feminism and Science Fiction

Three credits.

Feminist approaches to science fiction. Human and non-human embodiments – humans, aliens, and cyborgs – and the social issues their interactions raise: reproduction and colonization; racial, sexual, and gender apartheid; “human” rights and the rule of law. CA 4.

WGSS 3718W. Feminism and Science Fiction

Three credits. Prerequisite: ENGL 1010 or 1011 or 2011. CA 4.

Feminist approaches to science fiction. Human and non-human embodiments – humans, aliens, and cyborgs – and the social issues their interactions raise: reproduction and colonization; racial, sexual, and gender apartheid; “human” rights and the rule of law. CA 4.