

# August 2018

## Course Number Change

### Animal Sciences

**ANIMSCI****Spring 2019 Semester****4105 Domestication, Form, and Function of Dogs**  
**U 3***Previous Number: 3105*

A study of the events that have shaped the domestic dog. Includes a focus on the role of domestication, selective breeding, and factors impacting growth and development on form and function of the domestic dog.  
Prereq: 3140, and Soph standing or above; or permission of instructor.

### Environment and Natural Resources

**ENR****Spring 2019 Semester****3200 Environmental and Natural Resources Policy**  
**U 3***Previous Number: 4000**Campus: COL MNS**Components: LEC*

This course covers topics such as the constitutional foundations of environmental policy, the role of congress and the executive branch in designing policy and bureaucratic agencies in implementing them, and the courts system as the final arbiter for environmental disputes. It also covers some of the foundational legislation in the U.S. to protect the environment and natural resources.  
Prereq: 2100 and 2300. Not open to students with credit for 4000. GE soc sci orgs and politics course.

### Public Affairs, John Glenn College

**PUBAFRS****Autumn 2018 Semester****5059.01 Leadership Self-Development**  
**U G 1***Previous Number: 5059*

Increasing self-awareness and being open to feedback are critical to becoming a more effective leader. Students deepen their self-awareness and develop strategies and actions for improving leadership and management competencies. This two week intensive course is designed for mid-career professionals in public and nonprofit organizations. Participants must be able to attend both 6.5-hour class sessions.  
Prereq: Acceptance into the Leadership and Management Certificate Program.

**Autumn 2018 Semester****5060.01 Managing People in Public and Nonprofit Organizations**  
**U G 2***Previous Number: 5060*

This course is designed to enhance students' management and leadership skills, preparing them to diagnose and solve organizational problems, to influence the actions of other individuals, groups, and organizations, and to manage high-performing, successful public and nonprofit service organizations.  
Prereq: 5059.01 or 5059.02, and acceptance into the Public and Nonprofit Leadership and Management certificate program.

**Autumn 2018 Semester****5061.01 Leading People in Public and Nonprofit Organizations**  
**U G 2***Previous Number: 5061*

The course will prepare students to appropriately design, coach, develop, and lead teams in times of stability as well as change, and to do so ethically in order to lead high-performing, successful public and nonprofit service organizations.  
Prereq: 5060.01 or 5060.02, and acceptance into the Public and Nonprofit Leadership Certificate program.

PA 5062.01 is designed to hone and demonstrate students' accumulated leadership knowledge and skills through an intervention exercise. Students will be asked to identify an opportunity within a public or nonprofit organization to integrate and apply leadership concepts, diagnose, analyze and solve an organizational problem, and to explore personal styles of leadership. 2, 6.5-hour class meetings.

Prereq: 5059.01 or 5059.02, and 5060.01 or 5060.02, and 5061.01 or 5061.02, and acceptance into the Public Leadership and Management Certificate program.

## New Course

### Animal Sciences

ANIMSCI

#### Spring 2019 Semester

5090 Gut Microbiology

U G 2

A study of the major microorganisms of the gastrointestinal tract of animals and humans, their microbial metabolism and functions, interactions with each other and with hosts, and impact on host nutrition and health.

Prereq: Micrbio 4000.01 or 4000.02 or 4100, and Biochem 4511, and GPA 2.0 or above in Biochem and Micrbio coursework; or permission of instructor.

### Business Admin: Marketing & Logistics

BUSML

#### Spring 2019 Semester

8385 Empirical Methods in Logistics &amp; Supply Chain Management Research

G 1½

Overview of empirical research in Logistics and Supply Chain Management, with a focus on appropriate topics, literature review, and hypothesis development in empirical papers. Additional focus on data analysis through statistical and econometric methods.

Prereq: Enrollment in Fisher College of Business PhD program, or permission of instructor. Repeatable to a maximum of 9 cr hrs.

#### Spring 2019 Semester

8386 Theory &amp; Qualitative Methods in Logistics &amp; Supply Chain Management Research

G 1½

Introduction to multiple theoretical perspectives used in Logistics and Supply Chain Management research, as well as the qualitative methods utilized to explore theoretical concepts.

Prereq: Enrollment in Fisher College of Business PhD program, or permission of instructor. Repeatable to a maximum of 9 cr hrs.

### Community Leadership

COMLDR

#### Spring 2019 Semester

2100.02 Foundations of Leadership II

U 2

This course focuses on the foundations of leadership. Topics include introductory leadership theories and concepts with a focus on developing relationships with others. Topics include diversity, communication, and teamwork. This CCP course is offered as a part of an off-campus, community-embedded program in cooperation with the Department of Agricultural Communication, Education, and Leadership. Selection into an approved partner program with the Department of Agricultural Communication, Education, and Leadership (such as OSUE's LOOK to Ohio) required for enrollment.

### Dentistry

DENT

#### Autumn 2018 Semester

8154 Integrated Anesthesia Studies

G ½

This course is designed to help dental anesthesia residents gain a deeper understanding of the practice of anesthesia. Residents will discuss applied principles and techniques that will be encountered during residency training and in private practice.

Repeatable to a maximum of 5 cr hrs. This course is graded S/U.

**Autumn 2018 Semester**

**8156 Anesthesiology Science Core**

**G 1**

The purpose of this course is to help dental anesthesiology residents review the principles of general physiology. This will help residents in their treatment of patients and as they prepare to take part I of the ADBA national board examination.

Repeatable to a maximum of 5 cr hrs.

**Environment and Natural Resources**

**ENR**

**Spring 2019 Semester**

**5374 Landscape Ecology for Natural Resource Management**

**U G 3**

In this course, students will gain a practical working understanding of landscape ecology, with the goals of understanding how landscape processes operate at different scales, knowing how to assess spatial patterns and processes, and understanding how landscape ecology principles and theory apply to natural resource assessment and management.

Prereq: Grad standing, or permission of instructor.

**Law**

**LAW**

**Spring 2019 Semester**

**6350 Environmental Justice: Legal Theory and Practice**

**L 2**

Environmental Justice explores the intersectionality of environmental law, social justice, and environmental decision-making.

This course is graded S/U.

**Spring 2019 Semester**

**6450 Social Justice and the Law**

**L 2**

Students will be introduced to ideas about social justice and law, focusing on intersectional questions of race, class, gender, trans\*, ethnicity, sexuality, disability, and religion, and the State.

This course is graded S/U.

**Autumn 2018 Semester**

**6550 Lawyers as Effective Communicators**

**L 1**

Using exercises based in improvisation, theatre, and active listening, this practical course builds a strong foundation for persuasive oral communication in a variety of legal settings.

This course is graded S/U.

**Nursing**

**NURSING**

**Autumn 2018 Semester**

**6343 Health Coaching I**

**G 1**

Underpinnings and application of knowledge and skills in motivational interviewing and patient engagement for health coaching in interprofessional teams.

Prereq: Enrollment in Interprofessional Healthcare certificate program, or permission of instructor. This course is graded S/U.

**Autumn 2018 Semester**

**6344 Health Coaching II**

**G 1**

Underpinnings and implementation of patient-directed care management and shared decision-making for health coaching in interprofessional teams.

Prereq: Enrollment in Interprofessional Healthcare certificate program, or permission of instructor. This course is graded S/U.

### Autumn 2018 Semester

#### 6403 Interprofessional Leadership

G 1

Students will engage in discussion and activities to develop interprofessional leadership competencies including interprofessional collaboration and effective communication to lead and serve on health care teams.

Prereq: Enrollment in Interprofessional Healthcare certificate program, or permission of instructor. This course is graded S/U.

### Autumn 2018 Semester

#### 7343 Introduction to Nurse Coaching

G 3

Provides an overview of the nurse coach role, theory and competencies with application to nurse coaching skills.

Prereq: Grad standing, and enrollment in the Nurse Coaching certificate program; or permission of instructor.

### Autumn 2018 Semester

#### 7344 Evidence-Based Coaching in Interprofessional Practice

G 4

Review of evidence-based coaching approaches based on the science of behavior change and integrated within patient-centered, interdisciplinary practice.

Prereq: Grad standing, or permission of instructor.

### Autumn 2018 Semester

#### 7345 Advanced Nurse Coaching

G 3

Addresses nurse coaching competencies that promote whole person health.

Prereq: 7343.

### Autumn 2018 Semester

#### 7779 Interprofessional Evidence Based Practice

G 3

Introduction to the team-based approach to evidence based practice. Includes clinical question generation, literature search methods, critique of research methods and appropriate statistical analysis in published research evidence, and synthesis of evidence related to pressing health problems to improve individual and public health outcomes.

Prereq: Enrollment in Interprofessional Healthcare certificate program, or permission of instructor.

## Occupational Therapy

OCCTHER

### Spring 2019 Semester

#### 6221 Mental and Cognitive Functions Lab

G 1

This course focuses on the evaluation and treatment of individuals with mental and cognitive impairment. This class is for enrolled Occupational Therapy Students and is taught in a developmental course sequence as each course builds on content knowledge learned in previous occupational therapy courses.

Prereq: Enrollment in the Doctorate in Occupational Therapy Program.

### Spring 2019 Semester

#### 7311 Occupational Therapy for Young Children Lab

G 1

This lab course will prepare students to work with infants and young children across medical and educational environments. This class is for enrolled Occupational Therapy Students and is taught in a developmental course sequence as each course builds on content knowledge learned in previous occupational therapy courses.

Prereq: Enrollment in the Doctorate in Occupational Therapy Program.

## Veterinary Biosciences

VETBIOS

### Autumn 2018 Semester

#### 7802 Veterinary Field Experience in Thailand: Elephants, Zoo and Aquatic Medicine

V 2

To provide hands on experiences to veterinary students on elephant, wild life, zoo, and aquatic medicine and surgery in Thailand. Students will also experience Eastern medical practices such as acupuncture and massage. In addition, students are exposed to veterinary education, culture and learn how culture, religion, and society influence the practice of veterinary medicine in Thailand.

This course is progress graded (S/U).

**Autumn 2018 Semester****8600.01 Advanced Topics in Comparative Behavioral Medicine****G 1**

Course familiarizes the student with comparative behavioral medicine by critical review and evaluation of the current and past literature in both human and veterinary medicine with emphasis on study design, methodology, and data interpretation.

Prereq: DVM or equiv, or permission of instructor.

**Autumn 2018 Semester****8600.02 Advanced Topics in Comparative Behavioral Medicine****G 1**

Course familiarizes the student with comparative behavioral medicine by critical review and evaluation of the current and past literature in both human and veterinary medicine with emphasis on study design, methodology, and data interpretation.

Prereq: DVM or equiv, or permission of instructor. Repeatable to a maximum of 8 cr hrs. This course is graded S/U.

**Spring 2019 Semester****8601 Advanced Topics in Veterinary Psychopharmacology****G 2**

Course includes a review of psychopharmacology, including mechanism of action, side effects of veterinary Psychotropic drugs. Metabolism and excretion of drugs, drug interactions, and combination therapies and their clinical use are also discussed.

Prereq: DVM or equiv, and permission of instructor. Repeatable to a maximum of 4 cr hrs.

## Remove from Limbo

**Anthropology**

ANTHROP

**Spring 2019 Semester****3416 Latin American Peoples and Cultures****U 3**

Latin American peoples and cultures.

Prereq: Not open to students with credit for 416.

**Spring 2019 Semester****4597.04 The Molecular Revolution: Genes, Genomes, and Genomania****U 3**

Interface of genetic technology, genome project, and health against background of societal tensions, genomania, and dilemmas of genetic testing, and repercussions of molecular revolution.

Prereq: Jr or Sr standing. Not open to students with credit for 597.04. GE cross-disciplinary seminar course.

**Spring 2019 Semester****5642 Growth and Development****U G 3**

Growth and development.

Prereq: 2200 (200) or equiv, or permission of instructor. Not open to students with credit for 640.02.

**Chemical and Biomolecular Engineering**

CBE

**Spring 2019 Semester****8809 Advanced Thermodynamics II****G 3**

Continuation of CBE 8808 and special topics of thermodynamics that are of interest to chemical and biomolecular engineering.

Prereq: 8808 (808), and Grad standing; or permission of instructor. Not open to students with credit for 809. Repeatable to a maximum of 6 cr hrs.

**Environment and Natural Resources**

ENR

**Spring 2019 Semester****8510 Research Design for Environmental Social Sciences****G 3**

Introduction to designing research for building and testing theory in environmental social science disciplines. Bridges qualitative and quantitative research approaches, applied to developing a practice thesis proposal. Sp Sem. Prereq: Grad standing. Not open to students with credit for 851.

**French****FRENCH****Spring 2019 Semester****1802 Cultures of the French-Speaking World****U 3**

Introduction to one or more of the world's French-speaking cultures, such as those of France, Quebec, the Caribbean, North Africa, and sub-Saharan Africa, through a variety of media. Develops students' cultural awareness and critical thinking skills. Taught in English.

Prereq: Not open to students with credit for 153. GE cultures and ideas course.

**Spring 2019 Semester****4053 French and Italian Cinema to 1952****U 3**

Examines French and Italian cinema from 1895 to 1952 in a comparative context. Looks at key directors, genres and movement and introduces students to pertinent film theory. Taught in English.

**History****HISTORY****Spring 2019 Semester****3354 Islamic Spain and North Africa****U 3**

Lecture/discussion course examining Spain and North Africa under Islamic rule, from the Muslim conquests of the early 7th century through the early 19th century.

Prereq or concur: English 1110 or equiv, and course work in History at the 2000 level, or permission of instructor. Not open to students with credit for 541.01. GE historical study course.

**Italian****ITALIAN****Autumn 2018 Semester****3102 Business Italian****U 3**

Four-skill study and practice of general business Italian; introduction to current Italian commerce, business practices, terminology, business-related communication skills. Not open to native speakers of Italian.

Prereq: 2102 (202), or permission of instructor. Not open to students with credit for 206. FL Admis Cond course.

**Music****MUSIC****Autumn 2018 Semester****2216.52 Applied Music (Non Major): Trumpet****U 2**

Course provides fundamental studio instruction in trumpet for non-majors and minors.

Prereq: Permission of instructor. Not open to Music majors. Repeatable to a maximum of 16 cr hrs.

**Autumn 2018 Semester****4998 Undergraduate Research Non-Thesis****U 1 - 5**

Research projects determined by instructor.

Prereq: Permission of instructor. Repeatable to a maximum of 20 cr hrs or 4 completions. This course is graded S/U.

**Spring 2019 Semester**

**5765 Literature for Vocal Music Education**

**U G 2**

A study of vocal literature of various cultures and historic periods for use with choral groups in the secondary music program.

Prereq: 4575 (575); or Grad Standing, and enrollment in Music major. Not open to students with credit for 765.

**Political Science**

**POLITSC**

**Spring 2019 Semester**

**3912 Political Leadership**

**U 3**

Establishment of a working definition of political leadership, investigation of recruitment of leaders, analysis of major functions political leaders perform, and assessment of consequences of political leadership.

Prereq: 1100 (100), 1200 (101), or 3100 (300). Not open to students with credit for 612.

## Update Course

**African American and African Studies**

**AFAMAST**

**Spring 2019 Semester**

**3080 Slavery in the United States**

**U 3**

The African American experience in slavery, focusing on the rise of the slave trade, slavery in the colonial and antebellum eras, the Civil War, and abolition.

Prereq or concur: English 1110.xx; or permission of instructor. Not open to students with credit for History 3080.

GE historical study course. Cross-listed in History.

**Spring 2019 Semester**

**8999 Dissertation Research and Writing**

**G 1 - 3**

Dissertation research and writing.

Repeatable to a maximum of 9 cr hrs or 4 completions. This course is graded S/U.

**Agricultural Communication**

**AGRCOMM**

**Spring 2019 Semester**

**2130 Visual Media in Agricultural and Natural Resources**

**U 3**

Prepares students to be proficient in photography, photo and video editing, and image composition techniques used in the agricultural and natural resource communications fields. Course includes at least one off-campus field trip.

*Components: LEC*

**Animal Sciences**

**ANIMSCI**

**Spring 2019 Semester**

**3100 Animal Growth and Development**

**U 3**

An overview of growth and development on form and function of food animals and its impact on value.

Prereq: 2200.01 or 2300H, and Biology 1113, and Soph standing or above; or permission of instructor.

**Spring 2019 Semester**

**3200 Applied Animal Bioscience Laboratory**

**U 2**

Laboratory experience exploring the organs, tissues and cells associated with the physiological systems of domestic animals and the nutrients used to support these systems.

Prereq: 2200.01, 2200.02, 3130, 3140 or 3140E, and 3160. Prereq or concur: 3170.

*Components: LEC LAB*

**Spring 2019 Semester**

**7000 Applied Biometrics**

**G 4**

Study methods used in the quantification of biological processes and the integration of research results and knowledge into quantitative methods.

Prereq: Stat 5301 or equiv. or permission of instructor.

Components: LEC LAB

**Business Admin: Management Sciences**

**BUSMGT**

**Spring 2019 Semester**

**7205 Healthcare and Service Analytics**

**G 3**

This course develops the quantitative thinking and skills needed to identify opportunities, develop models, and interpret results related to operational decision-making in service industries. Students will gain a practical understanding of the essential statistics needed for data analytics while working on a group project. Material will be presented in a hands-on manner using computer-based tools.

Prereq: MBA 6273, or permission of instructor.

**Community Leadership**

**COMLDR**

**Spring 2019 Semester**

**4480 Capstone in Leadership**

**U 3 - 4**

Application of leadership theories, principles, concepts, and skills in a setting aligned with the student's academic and/or career interests. Students will plan, conduct, reflect, and report the project in conjunction with a faculty supervisor.

Prereq: Permission of instructor. This course is graded S/U.

Components: LEC FLD

**Communication**

**COMM**

**Spring 2019 Semester**

**3160 Communication Research Methods**

**U 4**

Overview of major empirical methods in communication research.

Prereq: Stat 1350, 1450, or equiv. Not open to students with credit for 2160H or 2163.

**Spring 2019 Semester**

**3163 Communication Industry Research Methods**

**U 4**

Overview of major empirical methods in communication industry research.

Prereq: Stat 1350, 1450, or equiv. Not open to students with credit for 2160H or 2160.

**Spring 2019 Semester**

**3165 Evaluation and Usability Testing**

**U 4**

Application of electronic research through the design, implementation, and reporting of an online data collection or technology-based project.

Prereq: Stat 1350, 1450, or equiv.

**Design**

**DESIGN**

**Spring 2019 Semester**

**3450.01 Design Media II for Industrial Design**

**U 3**

Intermediate-level digital, three-dimensional modeling and visualization strategies for Industrial Design.

Prereq: 3400.01, and enrollment in Design major; or permission of instructor. Concur: 3151 and 3550.01; or 3152 and 3552; or 3153 and 3550.01. Not open to students with credit for 3450, 3450.02, or 3450.03.



### Spring 2019 Semester

#### 3450.02 Design Media II for Interior Design

U 3

Intermediate-level digital, three-dimensional modeling and visualization strategies for Interior Design.

Prereq: 3400.02, and enrollment in Design major; or permission of instructor. Concur: 3151 and 3550.02; or 3152 and 3552; or 3153 and 3550.02. Not open to students with credit for 3450, 3450.01, or 3450.03.

### Spring 2019 Semester

#### 3450.03 Design Media II for Visual Communication Design

U 3

Intermediate-level digital, web-communications strategies for Visual Communication Design.

Prereq: 3400.03, and enrollment in Design major; or permission of instructor. Concur: 3151 and 3550.03; or 3152 and 3552; or 3153 and 3550.03. Not open to students with credit for 3450, 3450.01, or 3450.02.

## Electrical and Computer Engineering

ECE

### Autumn 2019 Semester

#### 4900H Design II with Honors Thesis Project

U 3

Application of design principles and methodology to conceptual and detailed technical design, implementation and testing, culminating in a capstone design project.

Prereq: Honors standing, and permission of department, and: Option 1: 2560, 3010, 3020, 3027, 3030, 3040, 3050, 3090, 3900, and Sr standing, and enrollment in Electrical Engineering Program of Study (EES subplan) of the ECE major. Prereq or concur: 3080. Option 2: 2050 or 2100; 3020, 3027, 3090, 3561, 3567, 3900, CSE 2231, and 2451, and Sr standing, and enrollment in Computer Engineering Program of Study (CES subplan).

Prereq or concur: 3080 and 5362. Not open to students with credit for 4900, 4901, Engr 4903, or 5902.01.

## Environment and Natural Resources

ENR

### Spring 2019 Semester

#### 5325 Forest and Public Lands Policy

U G 3

Explores important, relevant and leading-edge concepts in U.S. forest and public lands policy. Emphasizes political, legal, and administrative issues of federal and state lands, including forests, parks, rangelands, and wildlife refuges. Moderate proficiency with GIS expected.

Prereq: 4000, or Grad standing.

## Health and Rehabilitation Sciences

HTHRHSC

### Spring 2019 Semester

#### 4300 Contemporary Topics in Health and Society

U 3

Offers the opportunity to delve into the current issues and factors that are influencing and shaping both society and health systems and to engage in a process of scholarly exchange around the incubation of ideas to address these current issues.

Prereq: Sr standing, and enrollment in a Health Sciences major; or permission of instructor.

### Spring 2019 Semester

#### 4300.01 Contemporary Issues in Health & Society

U 3

Offers the opportunity to delve into the current issues and factors that are influencing and shaping both society and health systems and to engage in a process of scholarly exchange around the incubation of ideas to address these current issues.

Prereq: Sr standing, and enrollment in a Health Sciences major; or permission of instructor.

## Health and Wellness Innovation in Healthcare

HWIH

**Autumn 2018 Semester**

**4300.01 HWIH Practicum I**

**U 5**

Sixth in a series of seven courses in the Health and Wellness Innovation in Healthcare series; synthesis and application of health and wellness content including health coaching, health literacy, holistic health/prevention and innovation threads in field experience projects in an organization.

Prereq: 2200, 2210, 2220, 2780, 3220, 3230, 3240, 3430, 3490; BusMHR 2500; HFDS 2400, PubHHBP 3510, or PubHlth 2010; HumnNtr 2310; Nursing 2102; Social 3306; and enrollment in HWIH major.

**Law** **LAW**

**Spring 2019 Semester**

**6124 Legislation and Regulation**

**L 3**

The lawmaking process; how the legislative process works; process by which statutes are enacted; how judges interpret the legislative product in theory and practice.

**Music** **MUSIC**

**Autumn 2019 Semester**

**4193 Individual Studies**

**U 1 - 3**

*Campus: COL LMA  
MNS MRN NWK WST*

Independent study on a special problem or topic in music.

Prereq: Permission of instructor. Open to Music majors only. Repeatable to a maximum of 30 cr hrs or 10 completions. This course is graded S/U.

**Nursing** **NURSING**

**Autumn 2018 Semester**

**4240S Concepts in Community Health Nursing**

**U 4**

Study of community health nursing theory and principles applied to the nursing care of individuals, families, groups, communities, and populations.

Prereq: 2270, 3270, and 4260.

**Autumn 2018 Semester**

**7342 Motivational Interviewing**

**G 2**

Critical analysis of theoretical and research findings involved in the conduct of motivational interviewing to create behavior change and improve health outcomes.

Prereq: Grad standing in Nursing.

**Occupational Therapy** **OCCTHER**

**Spring 2019 Semester**

**6210 Occupational Therapy Intervention and Assessment for Physical Rehabilitation**

**G 3**

Students learn methods of occupational therapy assessment of and intervention to improve neuromusculoskeletal and sensory function in persons with impairment or disability. This class is for enrolled Occupational Therapy Students and is taught in a developmental course sequence as each course builds on content knowledge learned in previous occupational therapy courses.

*Components: LEC*

Prereq: Enrollment in the Doctorate in Occupational Therapy program, or permission of instructor.

**Spring 2019 Semester**

**6220 Mental and Cognitive Functions**

**G 3**

This course introduces students to the etiology, epidemiology, signs/symptoms, associated health conditions, prognosis, and medical management of individuals with mental and cognitive impairment. This class is for enrolled Occupational Therapy Students and is taught in a developmental course sequence as each course builds on content knowledge learned in previous occupational therapy courses.

*Components: LEC*

Prereq: Enrollment in the Doctorate in Occupational Therapy program.

**Spring 2019 Semester**

**6251 Advanced Topics; Physical Agent Modalities**

**G 1**

Students learn to apply physical agent modalities in occupational therapy practice. This class is for enrolled Occupational Therapy Students and is taught in a developmental course sequence as each course builds on content knowledge learned in previous occupational therapy courses.

Prereq: Enrollment in the Doctorate in Occupational Therapy Program, or permission of instructor.

*Components: LAB*

**Spring 2019 Semester**

**7310 Occupational Therapy for Young Children**

**G 2**

This course will prepare students to work with infants and young children across medical and educational environments. This class is for enrolled Occupational Therapy Students and is taught in a developmental course sequence as each course builds on content knowledge learned in previous occupational therapy courses.

Prereq: Enrollment in the Doctorate in Occupational Therapy program, or permission of instructor.

*Components: LEC*

**Philosophy**

**PHILOS**

**Spring 2019 Semester**

**3600 Introduction to Philosophy of Language**

**U 3**

Survey of philosophical issues regarding the nature of linguistic representation and its role in thought and communication.

Prereq: 2500 and 6 cr hrs of Philos course work, or permission of instructor.

**Spring 2019 Semester**

**3800 Introduction to Philosophy of Mind**

**U 3**

General introduction to the philosophy of mind, the mind-body problem, intentionality, and the nature of consciousness.

Prereq: 6 cr hrs of Philos course work, or permission of instructor.

**Spring 2019 Semester**

**3830 Consciousness**

**U 3**

An introduction to consciousness with a focus on the interactions between philosophy, psychology, and neuroscience.

Prereq: 3 cr hrs of Philos course work, or permission of instructor.

**Spring 2019 Semester**

**5212 Aristotle**

**U G 3**

A survey of central philosophical themes in one or more Aristotelian treatises.

Prereq: 3210 or 6 cr hrs at the 2000 level or above in Philos coursework, or Grad standing in Philos, or permission of instructor.

**Spring 2019 Semester**

**5260 Studies in 20th-Century Philosophy**

**U G 3**

An intensive examination of one or more central movement in 20th-century philosophy; topics vary.

Prereq: 6 cr hrs of Philos course work at the 2000 level or above; or Grad standing in Philos; or permission of instructor. Repeatable to a maximum of 9 cr hrs.

**Spring 2019 Semester**

**5261 Phenomenology and Existentialism**

**U G 3**

Early existentialist ideas of Kierkegaard and Nietzsche; Husserl's phenomenological method and critical analysis of works of philosophers such as Heidegger, Jaspers, Sartre, Beauvoir, and others.

Prereq: 6 cr hrs of Philos course work at the 2000 level or above; or Grad standing; or permission of instructor.

### Spring 2019 Semester

#### 5700 Advanced Metaphysics

U G 3

An intensive examination of major metaphysical problems: categories, universals, substance and process, causality and law, space and time, metaphysical presuppositions of knowledge. Preferable to have credit for 3700 prior to enrollment.

Prereq: 2500, and 6 cr hrs in Philos at or above 3000-level; or Grad standing in Philos; or permission of instructor.

### Spring 2019 Semester

#### 5840 Advanced Philosophy of Cognitive Science

U G 3

In-depth examination of the influence of results in cognitive science upon the way in which philosophers approach fundamental issues about the nature of the mind.

Prereq: 6 cr hrs in Philos at or above 2000-level; or Grad standing; or permission of instructor.

## Pharmacy

PHR

### Autumn 2018 Semester

#### 5005 Fundamentals of Pathophysiology

U G 3

This course provides a fundamental overview of human pathophysiology by comparing dysfunctional body processes to normal physiological function. Case studies will be applied to pathophysiological phenomena.

Prereq: Admission to the MS Pharmacology or Master of Applied Clinical and Preclinical Research program, or permission of instructor. Not open to students with credit for HthRhSc 5500, or enrollment in PharmD program.

### Autumn 2018 Semester

#### 5010 Fundamentals of Pharmacology

U G 3

This course overviews principles underlying drug action, including an investigation of current treatments for a variety of common diseases. In addition, this course will implement activities that emphasize the ethical aspects and implications of a variety of drug therapies.

Prereq: Not open to students with credit for 2010, or 4400, or Pharmcl 5600, or HthRhSc 5510; or enrollment in PharmD program.

### Autumn 2018 Semester

#### 5700 Introduction to Personalized Therapeutics and Pharmacogenomics

U G P 3

Exploration of the trend to therapy tailored to the individual patient rather than "one drug fits all;" inter-individual differences in drug responses, with emphasis on genetic and genomic factors; ethical, regulatory, and economic issues that impact drug therapies. Credit for introductory biology course recommended prior to enrollment.

Cross-listed in BioPhrm.

### Spring 2019 Semester

#### 6102 Transitions II

P 1/2

This course builds on skills and knowledge gained in the first year of the program in preparation for a summer intensive professional experience and the second year curriculum. The major course themes are leadership, entrepreneurship, and innovation.

Prereq: Enrollment in the Doctor of Pharmacy program.

### Spring 2019 Semester

#### 6302 Concepts in Patient Care II

P 2 1/2

The second in a two-module sequence addressing concepts and skills that are essential components of exemplary patient care. This module focuses on oral and written communication and drug information skills in the context of using the patient care process to counsel patients about the selection and use of nonprescription medications, particularly in community and ambulatory care pharmacy settings.

Prereq: Enrollment in the Doctor of Pharmacy program.

## Spring 2019 Semester

### 6502 Principles of Drug Action II

**P 8**

This module provides basic foundations in the pharmaceutical sciences necessary for the understanding of drugs and the determinants of drug action. The module covers biochemistry and physiology of drug action, physical chemistry of pharmaceutical products, medicinal chemistry and pharmacokinetics.

Prereq: Enrollment in the Doctor of Pharmacy program.

## Autumn 2018 Semester

### 7460 Regulatory Strategy and Clinical Trial Reporting

**G P 3**

Explores regulatory strategy in new medical product development and lifecycle management. Develops scholarly and technical writing skills for regulatory professionals regarding new drug submissions to the Food and Drug Administration (FDA). Describes regulations and guidelines for clinical trial transparency.

Prereq: 7770, Nursing 7770, or permission of instructor.

## Autumn 2018 Semester

### 7482 Principles of Quality Management for Medical Product Development

**G P 3**

Concepts and application of total quality management for federal regulation of medical product development including drugs and medical devices.

Prereq: 7405, Nursing 7405, or permission of instructor. Cross-listed in Nursing.

## Autumn 2018 Semester

### 7561 Clinical Trials II: Site Management and Study Leadership

**G P 3**

This course provides a fundamental overview of best practices of clinical trial study and site management, including an emphasis on data, safety, and quality management, and study team leadership.

Prereq: 7560, BioPhrm 7560, or Nursing 7560, or permission of instructor. Not open to students with credit for 7405 or Nursing 7405. Cross-listed in BioPhrm and Nursing.

## Autumn 2018 Semester

### 7562 Design and Management of Preclinical Studies

**G P 3**

Fundamental overview of preclinical study design, methods, and regulation with an introduction to the clinical development process. Provides a synopsis of best practices of preclinical trial site and study management, quality and data management, and leadership in the context of preclinical and translational research endeavors.

Prereq: Admission to the MS Pharmacology program, or permission of instructor.

## Autumn 2018 Semester

### 7572 Global Regulation of Medical Products

**G P 3**

Exploring legal issues related to clinical research and regulatory affairs. Examining the role of regulatory authorities, regulations and guidelines (US, EU and global) in new product development, including Good Manufacturing Practices (GMP) and Good Laboratory Practices (GLP).

Prereq: 7770 or Nursing 7770, or permission of instructor.

## Autumn 2018 Semester

### 7582 Organ System Toxicology

**G P 3**

Principles of toxicology, physiology and pharmacology as they relate to adverse and unanticipated drug effects.

Emphasis on cardiovascular, nervous, pulmonary, liver, and kidney systems. Open to students in MS Pharmacology program. Other students, including advanced undergraduate students, may enroll with permission of instructor. Completion of a basic pharmacology class useful but not required.

Prereq: Admission to the MS Pharmacology program, or permission of instructor.

## Autumn 2018 Semester

### 7583 Advanced Organ Systems Toxicology and Risk Assessment

**G P 3**

Principles of risk assessment, toxicology, and physiology as they relate to effects of chemical and pharmacologic agents on the blood, immune, ocular, skin, reproductive, endocrine systems. Includes a review of chemical carcinogenesis, genetic, and developmental toxicity as they relate to chemical or drug exposure.

Prereq: 7582, or permission of instructor.

**Autumn 2018 Semester**

**7586 Integrative in Vivo Modeling for Drug Development: Application for Safety and Clinical Pharmacology**

**G P 3**

Evaluating drug effects and animal models for safety and toxicity assessment.  
Prereq: 7582, or permission of instructor.

**Autumn 2018 Semester**

**7588 Toxic Substances**

**G P 3**

Survey the effects of toxic substances on biological systems including the mechanism of action for major toxicants, sources of toxicants, signs and symptoms associated with intoxications, and methods of treatment. Substances presented will include those that may be encountered occupationally, environmentally, medically, and in the context of substance abuse. Recommended prereq: 7582.

**Autumn 2018 Semester**

**8881.01 Medicinal Chemistry: Seminar Presentation**

**G 1/2**

Presentation of oral and written report dealing with recent advances in medicinal chemistry and pharmacognosy. Repeatable to a maximum of 20 cr hrs.

**Autumn 2018 Semester**

**8881.02 Medicinal Chemistry: Seminar Participation**

**G 1/2**

Participation in and discussion of research and recent advances in medicinal chemistry and pharmacognosy. Repeatable to a maximum of 20 cr hrs. This course is graded S/U.

**Autumn 2018 Semester**

**8882.01 Pharmaceutics: Seminar Presentation**

**G 1/2**

Presentation of oral and written reports dealing with recent advances in pharmaceutics. Repeatable to a maximum of 20 cr hrs.

**Autumn 2018 Semester**

**8882.02 Pharmaceutics: Seminar Participation**

**G 1/2**

Participation and discussion of research and recent advances in the field of pharmaceutics. Repeatable to a maximum of 20 cr hrs. This course is graded S/U.

**Autumn 2018 Semester**

**8885.01 Pharmacology Seminar: Presentation**

**G 1/2**

Presentation of oral and written reports dealing with recent advances in pharmacology. Repeatable to a maximum of 20 cr hrs.

**Autumn 2018 Semester**

**8885.02 Pharmacology Seminar: Participation**

**G 1/2**

Participation and discussion of research and recent advances in the field of pharmacology. Repeatable to a maximum of 20 cr hrs. This course is graded S/U.

**Political Science**

**POLITSC**

**Spring 2019 Semester**

**8782 Comparative Politics Research Seminar**

**G 3**

Research seminar on various topics in comparative politics.  
Repeatable to a maximum of 12 cr hrs. This course is graded S/U.

**Public Health**

**PUBHLTH**

**Autumn 2018 Semester**

**8998 Pre-Candidacy Research in Public Health**

**G 1 - 12**

Independent research for doctoral students: pre-candidacy.

Prereq: Enrollment in PhD program. Repeatable to a maximum of 12 cr hrs or 12 completions. This course is graded S/U.

**Autumn 2018 Semester**

**8999 Post-Candidacy Research in Public Health**

**G 1 - 12**

Independent research for doctoral students: post-candidacy.

Prereq: Enrollment as PhD Candidate in Public Health Program. Repeatable. This course is graded S/U.

**Rural Sociology**

**RURLSOC**

**Spring 2019 Semester**

**5580 Social Impact Assessment**

**U G 3**

Learn the process and methods of assessing social impacts from development and policy change.

*Components: LEC*

**Russian**

**RUSSIAN**

**Autumn 2019 Semester**

**4135 Practical Russian Pronunciation**

**U 3**

Russian phonetics, including terminology, transcription, practical exercises designed to improve pronunciation, and problems of teaching pronunciation. Taught in Russian. Not open to native speakers of Russian.

Prereq: 1102, or permission of instructor.

**Turkish**

**TURKISH**

**Spring 2019 Semester**

**2241 Beyond Harems and Belly Dancers: Turkish Culture**

**U 3**

An introduction to Turkish culture through reading of literature and criticism, and listening and viewing of films, slides, and performances arranged for the class.

GE cultures and ideas and diversity global studies course.

**Spring 2019 Semester**

**2701 Mystics, Sultans, Prisoners & Dreamers: Turkish Literature in Translation**

**U 3**

A study of Turkish literature and the history of its discourses, genres, and styles.

GE lit and diversity global studies course.