## Animal Sciences

Spring 2019 Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites and Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4105</td>
<td>Domestication, Form, and Function of Dogs</td>
<td>U 3</td>
<td>Prereq: 3140, and Soph standing or above; or permission of instructor.</td>
</tr>
</tbody>
</table>

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.

## Environment and Natural Resources

Spring 2019 Semester

<table>
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<tbody>
<tr>
<td>3200</td>
<td>Environmental and Natural Resources Policy</td>
<td>U 3</td>
<td>Prereq: 2100 and 2300. Not open to students with credit for 4000. GE soc sci orgs and politics course.</td>
</tr>
</tbody>
</table>

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.

## Public Affairs, John Glenn College

### Autumn 2018 Semester

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<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>5059.01</td>
<td>Leadership Self-Development</td>
<td>U 1</td>
<td>Prereq: Acceptance into the Leadership and Management Certificate Program.</td>
</tr>
</tbody>
</table>

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.

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<th>Prerequisites and Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>5060.01</td>
<td>Managing People in Public and Nonprofit Organizations</td>
<td>U 2</td>
<td>Prereq: 5059.01 or 5059.02, and acceptance into the Public and Nonprofit Leadership and Management certificate program.</td>
</tr>
</tbody>
</table>

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.

<table>
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<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites and Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>5061.01</td>
<td>Leading People in Public and Nonprofit Organizations</td>
<td>U 2</td>
<td>Prereq: 5060.01 or 5060.02, and acceptance into the Public and Nonprofit Leadership Certificate program.</td>
</tr>
</tbody>
</table>

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.
Autumn 2018 Semester

5062.01 Public Leadership Application

U G 1

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. 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

Animal Sciences

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

Business Admin: Marketing & Logistics

Business Admin: Marketing & Logistics

Spring 2019 Semester

8385 Empirical Methods in Logistics & 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.

8386 Theory & Qualitative Methods in Logistics & 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

Community Leadership

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

Dentistry

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

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

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

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

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

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, wildlife, 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).
### Veterinary Clinical Sciences

**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.

### Anthrooplogy

**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

**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

**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.
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

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

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 conc: 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

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

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

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.

African American and African Studies

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

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.

Animal Sciences

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.
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
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

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

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

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 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 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

HTHRHSC

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, 3240, 3430, 3490; BusMHR 2500; HFDS 2400, PubHHBP 3510, or PubHlth 2010; HumnNtr 2310; Nursing 2102; Sociol 3306; and enrollment in HWIH major.

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.

Autumn 2019 Semester
4193 Individual Studies
U 1 - 3
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.

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.

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.

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.
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.
Prereq: Enrollment in the Doctorate in Occupational Therapy program.
### Spring 2019 Semester

**6251 Advanced Topics; Physical Agent Modalities**  
**Components: LAB**  
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.

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**7310 Occupational Therapy for Young Children**  
**Components: LEC**  
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.

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### Philosophy

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
<th>Prerequisites</th>
</tr>
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<tbody>
<tr>
<td>3600</td>
<td>Introduction to Philosophy of Language</td>
<td>3</td>
<td>Survey of philosophical issues regarding the nature of linguistic representation and its role in thought and communication.</td>
<td>Prereq: 2500 and 6 cr hrs of Philos course work, or permission of instructor.</td>
</tr>
<tr>
<td>3800</td>
<td>Introduction to Philosophy of Mind</td>
<td>3</td>
<td>General introduction to the philosophy of mind, the mind-body problem, intentionality, and the nature of consciousness.</td>
<td>Prereq: 6 cr hrs of Philos course work, or permission of instructor.</td>
</tr>
<tr>
<td>3830</td>
<td>Consciousness</td>
<td>3</td>
<td>An introduction to consciousness with a focus on the interactions between philosophy, psychology, and neuroscience.</td>
<td>Prereq: 3 cr hrs of Philos course work, or permission of instructor.</td>
</tr>
<tr>
<td>5212</td>
<td>Aristotle</td>
<td>3</td>
<td>A survey of central philosophical themes in one or more Aristotelian treatises.</td>
<td>Prereq: 3210 or 6 cr hrs at the 2000 level or above in Philos coursework, or Grad standing in Philos, or permission of instructor.</td>
</tr>
<tr>
<td>5260</td>
<td>Studies in 20th-Century Philosophy</td>
<td>3</td>
<td>An intensive examination of one or more central movement in 20th-century philosophy; topics vary.</td>
<td>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.</td>
</tr>
<tr>
<td>5261</td>
<td>Phenomenology and Existentialism</td>
<td>3</td>
<td>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.</td>
<td>Prereq: 6 cr hrs of Philos course work at the 2000 level or above; or Grad standing; or permission of instructor.</td>
</tr>
</tbody>
</table>
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

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           ½
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           2½
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
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
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
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
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
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
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
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
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 ½
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 ½
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 ½
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 ½
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 ½
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 ½
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.

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.
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

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

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

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.