



July 2024

Course Number Change

Law LAW

Autumn 2024 Semester

7008 **Constitutional Law**

Previous Number: 6118

L **4**

Functional study of the major substantive, methodological, and federalistic limitations upon governmental power obtaining under practice of judicial review.

Prereq: Not open to students with credit for 6118.

Philosophy PHILOS

Spring 2025 Semester

2332.01 **Engineering Ethics for a Diverse and Just World**

Previous Number: 2332

U **3**

This course provides students in engineering fields analytical and critical tools to become ethically attuned citizens who promote and sustain justice in a diverse world.

Prereq: GE foundation writing and info literacy course; and GE foundation race, ethnicity and gender div course; and GE foundation historical and cultural studies course. GE theme citizenship for div and just wrld course.

Course Subject Change

Classics CLAS

Spring 2025 Semester

8999 **Dissertation Research**

Previous Subject: GREEK

G **1 - 9**

Readings and discussions connected with the writing of a dissertation on a topic related to Classics.

Repeatable to a maximum of 36 cr hrs or 12 completions. This course is graded S/U.

Teaching and Learning Education TLED

Spring 2025 Semester

5030 **Spoken English for Academic Contexts**

Previous Subject: EDUTL

U G **2**

This course is designed for international undergraduates and graduates who would like to improve their oral English proficiency and confidence speaking for academic purposes, as well as their familiarity with the languages and cultures of the U.S. and of OSU. The course is based on the principle that speaking improves only with ample opportunities to speak.

Repeatable to a maximum of 4 cr hrs.

Teaching and Learning Inclusive STEAM TLISTEM

Autumn 2024 Semester

5510 **Basics of Orientation and Mobility**

Previous Subject: EDUTL

U G **2**

Presents an overview of the major historical events, mobility systems, resources, accessibility, safety, and roles of the O&M provider. Basic O&M techniques and instructional strategies are also provided.

New Course

Agricultural Systems Management

AGSYSMT

Spring 2025 Semester

3797 Study at a Foreign Institution

U 1 - 15

An opportunity for students to study at a foreign institution and receive Ohio State credit for that work. Acceptance into an OSU approved global education program is required.

Prereq: Permission of instructor. Repeatable to a maximum of 30 cr hrs or 10 completions.

Art

ART

Autumn 2024 Semester

4990 Senior Exhibition

U 1

This one credit course will provide seniors in the Department of Art who are candidates for Bachelor of Fine Arts Degree with practical experience in the development of an exhibition of their work and exposure to professional practices for artists.

Prereq: Sr Standing, and enrollment in BFA in Art, or permission of faculty member; and department consent required.

American Sign Language

ASL

Autumn 2024 Semester

3650 American Deaf Culture and History

U 3

This course will survey how Deaf culture started in the earliest history of Deaf communities from ancient times to the present day. Major complexities of Deaf history revolved around educational, social, legal, and technological forces threatening the existence of ASL and Deaf identities. However, they also unleashed a powerful unified front. We will explore ways for allyship in Deaf communities.

Prereq: A grade of C- or above in 2104.

Autumn 2024 Semester

3750 Intersectionality, d/Deaf Identities, and Memberships in d/Deaf Communities

U 3

In this course, we will explore diverse identities within d/Deaf communities. Themes of oppression, race, disability, and sexuality will be explored to define and understand how intersectionality is experienced in d/Deaf communities. In this course, students can expect to do close critical analyses of shared personal experiences, and experiences of others.

Prereq: A grade of C- or above in 2104.

Biology

BIOLOGY

Spring 2025 Semester

3501.01 Integrative Skills in Biology: Biological Development

U 3

A Biological Development themed integrative approach to fundamental skills enhancement in the life sciences. Prereq: 1113, 1114, and Chem 1220; or permission of instructor. Not open to students with credit for 3401 or 3501.xx.

Spring 2025 Semester

3501.02 Integrative Skills in Biology: Disease Vectors

U 3

A vector-borne disease themed integrative approach to fundamental skills enhancement in the life sciences. Prereq: 1113, 1114, and Chem 1220; or permission of instructor. Not open to students with credit for 3401 or 3501.xx.

Spring 2025 Semester

3501.03 Integrative Skills in Biology: Symbiosis

U 3

A symbiosis themed integrative approach to fundamental skills enhancement in the life sciences.

Prereq: 1113, 1114, and Chem 1220; or permission of instructor. Not open to students with credit for 3401 or 3501.xx.

Spring 2025 Semester

3501.04 Integrative Skills in Biology: Biotechnology

U 3

A biotechnology themed integrative approach to fundamental skills enhancement in the life sciences.

Prereq: 1113, 1114, and Chem 1220; or permission of instructor. Not open to students with credit for 3401 or 3501.xx.

Spring 2025 Semester

3501.05 Integrative Skills in Biology: Rise of Resistance

U 3

An evolution of resistance themed integrative approach to fundamental skills enhancement in the life sciences.

Prereq: 1113, 1114, and Chem 1220; or permission of instructor. Not open to students with credit for 3401 or 3501.xx.

Spring 2025 Semester

3501.06 Integrative Skills in Biology: Biology of Aging

U 3

A biology of aging themed integrative approach to fundamental skills enhancement in the life sciences.

Prereq: 1113, 1114, and Chem 1220; or permission of instructor. Not open to students with credit for 3401 or 3501.xx.

Spring 2025 Semester

3501.07 Integrative Skills in Biology ? Adaptation and Evolutionary Response at Multiple Scales

U 3

An adaptation and evolutionary response themed integrative approach to fundamental skills enhancement in the life sciences.

Prereq: 1113.01, 1114.01, and Chem 1220, or permission of instructor. Not open to students with credit for 3401 or 3501.xx.

Spring 2025 Semester

4901 Biological Capstone

U 2

A topical case study approach to integrating and synthesizing content across the life sciences.

Prereq: 3501.xx, and Rank 3 or 4 standing; or permission of instructor. Not open to students with credit for 3401.

Biomedical Engineering

BIOMEDE

Spring 2025 Semester

4902.02 Industry BME Capstone II

U 3

Serves as the second installment of the Industry BME capstone sequence. Provides students with a foundational understanding of design principles, emphasizing the application of these principles in the context of solving real-world industry challenges. Students will engage in a structured process that includes needs finding, idea generation, and prototyping with a keen focus on industry end-users.

Prereq: 4901.02; or permission of instructor.

Spring 2025 Semester

4902.03 Medical Product Development Capstone II

U 3

Second course in a culminating BME design sequence for those enrolled in the BS-MS pathway in Medical Product Development (MPD). Introduction to the Biodesign process, focused on opportunity definition, market analysis, and user-centered co-design in collaboration with clinical and corporate partners. Professional and technical skills related to biomedical industries are also developed.

Prereq: 4901.03, and enrollment in BME MPD program, or permission of instructor.

Chemistry

CHEM

Spring 2025 Semester

7620 Towards a More Inclusive Higher-Education Environment: Post Qualitative and Quantitative Methods

G 1½

This course introduces students to the interdisciplinary field of narrative inquiry and QuantCrit methods, aiming to bridge the gap between qualitative narratives and quantitative analysis in chemistry education.

Spring 2025 Semester

7630 Problem-Posing Model of Chemistry Education

G 1½

The goal of this course is to understand the theoretical underpinnings and practical applications of the problem-posing model of education. Students will make interconnections with current socio-scientific issues pertaining to the nature of science and chemistry education research and will discuss, reflect, expand upon, and make sense of the processes by which chemistry is taught and learned.

Civil Engineering

CIVILEN

Spring 2025 Semester

2001 Introduction to Infrastructure

U 3

This course introduces early-career students to the world of infrastructure - a system of systems that links the natural and built environments. Students will learn how structural, transportation, environmental, energy, water resources, geodetic, materials, and construction engineers work to contribute to the design, construction, and management of infrastructure systems.

Classics

CLAS

Spring 2025 Semester

2206 Politics and Political Thought in the Ancient World

U 3

An advanced overview of the governance, politics, and political thought of ancient Greece and Rome. You will trace the development of the ideals and practices of ancient democracy, oligarchy, monarchy, and citizenship within their historical contexts; and examine how some of the earliest political theory was shaped by the societies in which philosophers and theorists lived.

GE theme citizenship for div and just wrld course.

Autumn 2025 Semester

6002 Classics Professionalization Seminar

G 2

Introduction to the academic profession of Classics and its culture.

Construction Systems Management

CONSYSM

Spring 2025 Semester

3797 Study at a Foreign Institution

U 1 - 15

An opportunity for students to study at a foreign institution and receive Ohio State credit for that work.

Acceptance into an OSU approved global education program is required.

Prereq: Permission of instructor. Repeatable to a maximum of 30 cr hrs or 10 completions.

City and Regional Planning

CRPLAN

Spring 2025 Semester

4970 International Development Studio

U 6

Cities and regions across the globe are rapidly urbanizing and are facing planning challenges. Plan development focuses on developing context-sensitive solutions.

Spring 2025 Semester**4970.01 International Development Studio****U 3**

Cities and regions across the globe are rapidly urbanizing and are facing planning challenges. Plan development focuses on developing context-sensitive solutions

Spring 2025 Semester**6970.01 International Development Studio****G 3**

Cities and regions across the globe are rapidly urbanizing and are facing planning challenges. Plan development focuses on developing context-sensitive solutions. Course cannot be taken concurrently with other studio courses (6920, 6930, 6950, or 6960).

Prereq: 6400, and 6500; or permission of instructor.

Dentistry**DENT****Spring 2025 Semester****6643 Introduction to Clinical Orofacial Pain****D 1**

This course will discuss major sources and types of orofacial pain. Students will build knowledge and skills to recognize temporomandibular disorders and other common orofacial pain conditions, differentiate odontogenic from non-odontogenic orofacial pain, and apply interdisciplinary pain management concepts in developing appropriate patient management plans.

Spring 2025 Semester**6930 Laser Dentistry****D 1**

This course is an introduction to laser science in dentistry, safety compliance, clinical dental applications, and treatment planning. Course includes hands-on and simulation applications.

Design**DESIGN****Autumn 2025 Semester****3106 Introduction to Experiential Media Design****U 3**

Introduces practices for the creation of media-based experiences that engage the senses. Practice with methods for technologically and conceptually innovative, efficient, and descriptive prototyping and expanded graphics software skills development while learning new affordances of experiential media.

Electrical and Computer Engineering**ECE****Autumn 2024 Semester****6400 Introduction to Photogrammetry****G 3**

Analytical and digital photogrammetry, bundle block adjustment, analytical camera calibration, aerotriangulation, image acquisition systems, GPS controlled aerotriangulation, quality control and network design, DEMs and orthophotography. Knowledge of linear algebra expected.

Prereq: Grad standing, enrollment in the College of Engineering; or permission of instructor. Not open to students with credit for CivilEn 6451. Cross-listed in CivilEn 6451.

English**ENGLISH****Spring 2025 Semester****2797 Beginning Study at a Foreign Institution****U 1 - 27**

An opportunity for student to take lower-level courses at foreign institutions and receive OSU credit.

Spring 2025 Semester**3595 Literature and Law****U 3**

This course examines how legal structures, practices and concepts are represented and explored in and through literature written in English (poetry, fiction, drama, and/or essays).

Prereq: GE foundation writing and info literacy course. Not open to students with credit for 4595. GE theme citizenship for div and just wrld course.

Environment and Natural Resources**ENR****Spring 2025 Semester****3240 Ecological Climatology****U 3**

This course focuses on physical and ecological principles that shape water-carbon-energy cycles and vegetation dynamics in natural terrestrial ecosystems. Students will learn the fundamentals of how hydrology and plant activity regulate each other, and how the plant-water interactions feedback to surface energy and carbon budgets.

Food, Agricultural, and Biological Engineering**FABENG****Spring 2025 Semester****5505 Wicked Science****U G 3**

This course aims to train students to become wicked scientists who are able to tackle the grand challenges of today and tomorrow?what are otherwise known as wicked problems.

Prereq: Not open to students with credit for Anthrop 5505. Cross listed in Anthrop 5505, EEOB 5505.

Food Science and Technology**FDSCTE****Spring 2025 Semester****3797 Study at a Foreign Institution****U 1 - 15**

Study at a Foreign Institution. Acceptance into an OSU approved global education program is required.

Prereq: Permission of instructor. Repeatable to a maximum of 30 cr hrs or 10 completions.

German**GERMAN****Spring 2025 Semester****3317H Black Identity and Culture in German-speaking Europe****U 3**

This course discusses the history of Afro-Germans in Europe & internationally. Conversations and questions thematized pertain to identity formation and erasure; systemic racism; Westernization; xenophobia; and eugenics. German 3317H provides students with the support to identify intersecting social influences & factors that inform (and often reinforce) the categories of race, gender, & ethnicity.

Prereq: Honors, and Soph, Jr, or Sr standing; or permission of instructor. GE foundation race, ethnicity and gender div course.

Horticulture and Crop Science**HCS****Spring 2025 Semester****3206 Structure and Functionality of Agrifood Systems****U 3**

This course provides students with foundations for understanding the structure and functionality of modern agrifood systems. It departs from a systematic review of industry and market reports to assist students in mapping and describing agrifood chains from agriculture input firms to consumers.

Prereq: AEDEcon 3105.

Spring 2025 Semester**3797 Study at a Foreign Institution****U 1 - 15**

An opportunity for students to study at a foreign institution and receive Ohio State credit for that work.

Repeatable to a maximum of 15 cr hrs or 10 completions.

Spring 2025 Semester**5196 Topics in Polish and European Culture****U G 3**

Topics in Polish and European culture. Offers an interdisciplinary view into the political, economic, and cultural contexts of Poland, often in comparison with other EU countries and/or neighboring states.

Prereq: Not open to students with credit for Polish 5196. Repeatable to a maximum of 9 cr hrs. Cross-listed in Polish.

Spring 2025 Semester**7009.01 Advanced Legal Research: State Administrative Law****L 1**

In this 1-credit experiential course, students will develop strategic legal research skills through practical simulations in the field of administrative law at the state level.

Prereq: 6103.

Spring 2025 Semester**7009.02 Advanced Legal Research: Federal Administrative Law****L 1**

In this 1-credit experiential course, students will develop strategic legal research skills through practical simulations in the field of federal administrative law.

Prereq: 6103.

Autumn 2024 Semester**8812 Health Law Colloquium****L 1**

The Health Law Colloquium is a hybrid course and public event series that brings in outside speakers to discuss their cutting edge research within the field of health law.

Repeatable to a maximum of 2 cr hrs. This course is graded S/U.

Spring 2025 Semester**8814 JusticeTech Capstone Practicum****L 4**

The JusticeTech Capstone Practicum bridges law and tech by bringing law and computer science students together to develop innovative tech based solutions to real access to justice challenges in our community. Enrollment is limited to 8 students per instructor. The class will include teamwork with computer sciences and community partners outside of the class times. Understand and articulate key access to justice issues; Develop legal and ethical frameworks for technological solutions; Collaborate across disciplines to design, develop, and potentially implement technology-based solution; Assess project progress and adapt to challenges and feedback.

Autumn 2024 Semester**8896.81 Today's Fourth Amendment****L 2**

The class will assume basic knowledge of the Fourth Amendment, but will briefly cover doctrine and academic theory. While the class has natural appeal to students inclined to practice criminal law, it should also appeal more broadly to students interested in constitutional law and privacy matters.

Spring 2025 Semester**8950.01 Professional Practice Skills: Stockholder Litigation****L 1**

Professional Practice series focus on specific lawyering skills and are taught by law faculty or distinguished adjuncts.

This course is graded S/U.

Spring 2025 Semester

6285.01 Career and Industry Immersion Academy: FIN II

G 1

The CIA is a two-course introduction to career pathways in a specific industry.
Prereq: 6284.01. This course is graded S/U.

Spring 2025 Semester

6285.02 Career and Industry Immersion Academy: SCL II

G 1

The CIA is a two-course introduction to career pathways in a specific industry.
Prereq: 6284.02. This course is graded S/U.

Spring 2025 Semester

6285.03 Career and Industry Immersion Academy: MKT II

G 1

The CIA is a two-course introduction to career pathways in a specific industry.
Prereq: 6284.03. This course is graded S/U.

Spring 2025 Semester

6285.04 Career and Industry Immersion Academy: OPS II

G 1

The CIA is a two-course introduction to career pathways in a specific industry.
Prereq: 6284.04. This course is graded S/U.

Neurology

NEURO

Autumn 2024 Semester

7000 Translational Neuroimmunology

G 2

This course covers immunopathogenesis & immunotherapy for neurological diseases. It includes lectures on neuro-immune interactions, discussions of primary literature, & clinical workshops on neuroinflammatory disorders. Students learn pathogenic mechanisms, therapeutic successes, & unmet clinical needs.
Prereq: Introduction to Immunology, or equivalent.

Autumn 2024 Semester

7193 Independent Study in Health Services Research

G 1 - 12

This course provides an opportunity to conduct graduate-level Health Services Research (HSR). The course will focus on the development of research skills, content knowledge, and scientific writing skills in HSR for graduate students.
Prereq: Clinical degree (e.g., MD, RN, DPT), or PhD in HSR-related discipline. Repeatable to a maximum of 12 cr hrs or 6 completions. This course is graded S/U.

Neuroscience Department

NEUROSC

Summer 2025 Term

5604 Paradigms Lost and Found in Neuroscience

U G 2

Neuroscience is an every-changing and fast-growing field. Throughout this course learners have the opportunity to examine the historical foundations of contemporary neuroscience and critical paradigm shifts that resulted in neuroscience as we understand it today.

Otolaryngology

OTOLARN

Summer 2025 Term

5193 Independent Study: Clinical Understanding of Gender-Affirming Voice Services

U G 1 - 3

Students enrolled in this course will complete approx. 20 hours of observation (per credit hour) in the Otolaryngology Clinic. Observations will be coordinated with members of the comprehensive gender-affirming care team including speech pathologists, laryngologists, and facial plastics. This independent study will consist of observations, assignments, and discussions on this specialty area.
Prereq: SphHrng 5741, and Grad standing in The SphHrng program. This course is graded S/U.

Spring 2025 Semester**5196 Topics in Polish and European Culture****U G 3**

Topics in Polish and European Culture. Offers an interdisciplinary view into the political, economic, and cultural contexts of Poland, often in comparison with other EU countries and/or neighboring states.

Prereq: Not open to students with credit for IntStds 5196. Repeatable to a maximum of 9 cr hrs. Cross-listed in IntStds.

Public Affairs, John Glenn College**Spring 2025 Semester****5510 Cybersecurity Law, Policy, and Management****U G 3**

This course provides an integrated focus on the making and implementing of cybersecurity policy, while exploring the interaction of technology, law, policy, and management. The class aims to equip policymakers in the cybersecurity realm with legal, policy, and managerial concepts and tools to effectively deter cyber threats.

Spring 2025 Semester**5520 Nonprofit Board Development****U G 1**

This class is for anyone who would like to serve as a nonprofit board member. It is a 1-credit skills course designed to introduce students to the skills required to model an excellent board member. It covers the legal and moral duties of board members and allows students to practice participating in board meetings.

Sociology**Spring 2025 Semester****7713 Group Processes****G 3**

This course focuses on the scientific orientation and theories of the Group Processes tradition within sociology. We begin with the role of logic in scientific inquiry and then discuss theories of human behavior and explanations for emergent outcomes in small groups. By the end of the course, you will be able to distinguish formal from other forms of discursive 'theory' in sociology.

Speech and Hearing Science**Autumn 2024 Semester****3380S Community Outreach in Speech and Hearing Science: Hearing Screenings****U 2**

This course will provide an opportunity for students to participate in community outreach related to speech and hearing. Students will provide education on hearing health and administer free hearing screenings to vulnerable populations.

Prereq: 2230. This course is graded S/U.

Veterinary Clinical Sciences**Autumn 2024 Semester****7520 Large Animal Anesthesia****V 1**

Course includes a review of anesthetic risk, pharmacology of anesthetic drugs, pain, and CPR with an emphasis on equine and ruminant patient. The focus of this course is on all aspects of the anesthetic process in the equine and ruminant patient from pre-operative clinical assessment, premedication, anesthetic induction, maintenance, anesthetic equipment, oxygenation, recovery, and complications.

This course is graded S/U.

Autumn 2024 Semester

7726 Small Animal Veterinary Business Management

V 1

This course will further expose students to the critical aspects of small animal business management. Presentations from various industry leaders will provide exposure and deep discussion on many business topics such as operations, strategy, financial management, inventory, and organizational behavior. This course is graded S/U.

Veterinary Preventive Medicine

VETPREV

Autumn 2024 Semester

7710.01 Ecosystem Health Conservation Medicine

V 2

Principles and application of ecosystem health and conservation medicine will be examined using the One Health One Medicine paradigm. This course may also serve as a component of a non-degree certificate for external veterinarians interested in gaining training in ecosystem health, conservation medicine and/or One Health.

Not open to students with credit for 7710. This course is graded S/U.

Autumn 2024 Semester

7721.01 Epidemiology of Zoonotic Diseases

V 3

Basic epidemiology of important zoonotic diseases, focusing on their etiology and epidemiology. Common manifestations in humans and animals, diagnostic procedures, and specific preventive and control measures. This course is graded S/U.

Autumn 2024 Semester

7722.01 Foodborne Diseases, Food Animal Production Systems, and Food Safety

V 3

Overview of how the food chain for the most common products of animal origin works, with special emphasis in pre-harvest safety, describes most common food-borne bacterial and viral diseases, antimicrobial resistance, HACCP.

Prereq: Grad standing, or enrollment in Veterinary Medicine Program. This course is graded S/U.

Autumn 2024 Semester

7895.05 Critical Evaluation of the Scientific Literature

V 1

Introduces students to critical reading of scientific literature related to veterinary medicine and public health. During class sessions, relevant scientific articles will be discussed and critically reviewed using faculty-guided discussions.

This course is graded S/U.

Veterinary Medicine

VMCOLL

Autumn 2024 Semester

6550 Solutions to Clinical Problems 3A

V 6½

The Solutions to Clinical Problems course completes the didactic thread of Year 1 Healthy Animals, Year 2 Diseases and Diagnoses, and Year 3 Solutions to Clinical Problems. The course focuses on treatment and adjustments to treatment planning based on new evidence.

This course is graded S/U.

Autumn 2024 Semester

6613.05 Thinking and Reasoning with Integrated Problems 3A

V 3

In Integrated Problems 3A, students will continue their learning from the previous two years. Integrated Problems 3A will expand the approach to clinical cases and focus on treatment. Students will apply knowledge they learn in their first, second and third year didactic courses in identifying and diagnosing various problems within individual and populations of animals.

This course is graded S/U.

Autumn 2024 Semester**6615.05 Communication and Collaboration 3A****V 1**

Strong communication skills and the ability to build collaborative relationships with clients and colleagues are keys to a successful veterinary career. This course provides students with the foundational tools for effective communication and relationship building. This thread runs throughout the core curriculum to assist students in developing, practicing, and refining these skills. This course is graded S/U.

Place in Limbo

Animal Sciences**ANIMSCI****Summer 2024 Term****5400.01 Southern African Animals: I****U G 2**

First in a two part series covering the physiology, behavior, and human interactions with various animals found in Southern Africa, establishing an appreciation of the daily struggles of animals and people in this geographic area.

Summer 2024 Term**5400.02 Southern African Animals: II****U G 2**

Second of a two-part series covering the physiology, behavior, and human interactions with various animals found in Southern Africa, establishing an appreciation of the daily struggles of animals and people in this geographic area.

Summer 2024 Term**5810 Branded Meat Products****U G 4**

Integration of multiple factors influencing value-added product development including: raw material quality and procurement, processing, packaging, distribution, and complexity of market development and current consumer trends in niche marketing.

Prereq: 3110, 355.01, or MeatSci 3110; and completion of a second writing course. Not open to students with credit for 555.03 or MeatSci 5810. Cross-listed in MeatSci.

Animal Sciences Technology**ANMLTEC****Summer 2024 Term****2707T Dairy Cattle Presentation****U 1**

Principles and skills practiced in fitting, presenting, and merchandising dairy cattle. Course offered in even numbered years. Field trips, including weekends, may be required. Students will pay costs associated with field trips (lodging, transportation, meals, etc.) above Ohio State tuition and fees.

Prereq: Not open to students with credit for 206T. This course is available for EM credit.

Chemistry**CHEM****Summer 2024 Term****7230 Chemical Biology****G 1½**

Graduate-level treatment of the fundamentals of chemical biology, including enzymes, drug and probe design, diversification methodology, and proteomics.

Economics**ECON**

Summer 2024 Term**6745 Contemporary Political Economy****G 3**

Survey of contemporary theories on the interactions between economic policies, domestic institutions and the international economy, and their consequences for political economy.

Prereq: Grad standing or permission of instructor. Not open to students with 6 cr hrs for 6745 and PolitSc, or 10 cr hrs for 735 and PolitSc 735. Repeatable to a maximum of 6 cr hrs. Cross-listed in PolitSc 7280.

Summer 2024 Term**8819 Economics of Uncertainty****G 3**

Classical and modern approaches to decision-making and economic behavior under uncertainty; classical expected utility; subjective probability; behavioral theory of economic choice under uncertainty. S/U option available only with permission of Grad studies director for Econ.

Prereq: 8714 (808) or equiv, or permission of instructor. Not open to students with credit for 819.

Environment and Natural Resources**ENR****Summer 2024 Term****5272 Turfgrass Soils****U G 2**

Soil properties and processes of specifically designed and constructed soils meeting the agronomic and playability requirements of golf course and athletic field venues.

Sp Sem. Prereq: 3000 (300.01); or Grad standing; or permission of instructor. Not open to students with credit for 540.

Summer 2024 Term**7333 Successional Dynamics of Forests****G 3**

Analysis of past development of forest stands; examination of major processes causing changes over time in communities of trees. One or more all-day field trips.

* Sp Sem (odd yrs). Prereq: Grad standing, and permission of instructor. Not open to students with credit for 733.

Summer 2024 Term**7580 Root and Rhizosphere Ecology****G 2**

The rhizosphere mediates plant nutrient acquisition, sustains microbial communities, contributes to disease suppression, and regulates global nutrient cycles, directly impacting crop production and ecosystem services.

This course will provide an overview of root morphology, root production and turnover, rhizosphere communities, nutrient cycling and rhizosphere responses to climate change.

Entomology**ENTMLGY****Summer 2024 Term****5001 Entomological and Environmental Approaches to Fly Fishing****U G 3**

Students will study the life histories and behaviors of the most common aquatic insects that serve as a primary food source for rainbow, brown and steelhead trout in Ohio streams. To enhance student success and enjoyment of fly fishing, the course content will include stream ecology, hydrology, and hydrodynamics, water quality, how to sample and identify macroinvertebrates, and fly-tying.

This course is grades S/U.

History**HISTORY****Summer 2024 Term****7300 Introduction to Graduate-Level African History****G 1 - 6**

The study of the historical literature of Africa and various aspects of African history.

Prereq: Grad standing. Repeatable to a maximum of 15 cr hrs or 5 completions. Cross-listed in AAAS 7300.

Summer 2024 Term**8300 Seminar in African History****G 1 - 6**

Graduate Research Seminar in African History. Topics will vary.

Prereq: Grad standing. Repeatable to a maximum of 15 cr hrs or 5 completions. Cross-listed in AAAS 8300.

Meat Science**MEATSCI****Summer 2024 Term****5810 Branded Meat Products****U G 4**

Integration of multiple factors influencing value-added product development including: raw material quality and procurement, processing, packaging, distribution, and complexity of market development and current consumer trends in niche marketing.

Prereq: 3110 or AnimSci 3110, and completion of a second writing course. Not open to students with credit for AnimSci 5810 or 555.03. Cross-listed in AnimSci.

Religious Studies**RELSTDS****Summer 2024 Term****2102.01H Literature and Religion****U 3**

Study of relationships between religion and secular literature; analysis of religious and spiritual elements of literature and film of diverse cultures and historical periods.

Prereq: Honors standing, and English 1110 or equiv. Not open to students with credit for 2102.01, CompStd 2102.01, or 2102.01H. GE lit and diversity global studies course. GE foundation lit, vis and performing arts course.

Summer 2024 Term**2677 Religion and Environmentalism****U 3**

Examines the complex intersections between religion and environmental movements in North America, beginning with early contact between Europeans and Native Americans.

Prereq: English 1110 (110) or equiv. Not open to students with credit for CompStd 2677 (277).

Remove from Limbo**Agricultural Communication****AGRCOMM****Spring 2025 Semester****5197 Agricultural and Environmental Communication Study Abroad****U G 1 - 2**

Engages students in concentrated study of media practices in a foreign country, its agricultural, environmental and food systems issues and the role of the media in addressing those issues.

Earth Science**EARTHSC****Spring 2025 Semester****5719 Environmental Organic Geochemistry****U G 3**

Fate and distribution of organic pollutants in the environment including aqueous solubility, vapor pressure, environmental partition coefficients, and transformation reactions Intended for students in EarthSc, CivilEn, and the Grad EnvSci program.

Prereq: 5718, and Chem 4200; or permission of instructor. Not open to students with credit for EnvEng 5719. Cross-listed in EnvEng.

Educational Studies: Quant Rsrch, Evaltn & Msrmnt**ESQREM**

Spring 2025 Semester

7627 Sampling Designs and Survey Research Methods

G 3

Comprehensive overview of methodological issues in sampling and survey research, particularly the impact of sources of error in survey research.
Prereq: 6641 or equiv.

Spring 2025 Semester

7631 Applied Evaluation Design

G 3

Designed to acquaint students with the nature of the evaluation process and strategies for conducting educational and other evaluations, including logic models, methods, management, and cultural competence.
Prereq: 6621 or EduPL 6621.

Human Nutrition

HUMNNTR

Spring 2025 Semester

8834 Comprehensive Approach to Food Safety

G 2

A comprehensive overview of food safety challenges and solutions as experienced through the food chain from farm to consumers. Demonstration of food safety system from cellular aspects through public policy.
Prereq: MicrBio 509, or equiv. Not open to students with credit for 830.10, AnimSci 830.10, or FdScTe 830.10.
Cross-listed in AnimSci.

Update Course

Accounting and Management Information Systems

ACCTMIS

Autumn 2024 Semester

8782 Doctoral Seminar in Financial Accounting

G 3

This is Part II of a course covering empirical, archival research across a wide range of topics, including banking, corporate governance, debt contracting, debt and equity analysts, disclosure and financial reporting, executive compensation, investor behavior, and market efficiency. The relative emphasis on research topics is at the discretion of the instructor.
Prereq: Enrollment in AcctMIS PhD program.

Animal Sciences

ANIMSCI

Spring 2025 Semester

4001 Equine Production and Management

U 4

Application of scientific principles and best management practices in the areas of anatomy, physiology, genetics, reproduction, nutrition and health to the production of horses.
Prereq: 2000; and 3130; and 3140, or 3140E, or AnmITec 3140T; and 3150, or AnmITec 3150T; and 3170, or AnmITec 3170T, or AnmITec 3177T; and 3180; and 3420, or 3430, or 3440, or 3470, or 3480; or permission of instructor.

Art

ART

Autumn 2024 Semester

4998 Undergraduate Research: Non Thesis or Non Distinction

U 1 - 3

Undergraduate research or creative activities in varying topics (non-thesis and non-distinction). Prereq: Permission of instructor. Repeatable to a maximum of 16 cr hrs or 8 completions.

Autumn 2024 Semester**4999 Undergraduate Research: Thesis or Distinction****U** **1 - 4***Campus: COL LMA
MRN NWK*

Undergraduate research towards a thesis or distinction in the arts.

Prereq: Permission of instructor. Repeatable to a maximum of 4 cr hrs or 4 completions.

Autumn 2024 Semester**4999H Honors Undergraduate Research: Thesis or Distinction****U** **1 - 4***Campus: COL LMA
MRN NWK*

Senior Honors Thesis or Distinction.

Prereq: Honors standing, and permission of instructor. Repeatable to a maximum of 4 cr hrs or 4 completions.

*Components: LAB***Art Education****ARTEDUC****Spring 2025 Semester****7775 Social and Cultural Theories in Art and Art Education****G** **3**

Critical investigation of theoretical, artistic, and pedagogical concepts related to diversity.

Prereq: 7200.10, or permission of instructor.

Biomedical Informatics**BMI****Spring 2025 Semester****7810 Research Design and Methodological Approaches in Biomedical Informatics****G** **3**

This course surveys quantitative research design and methods topics relevant for planning and executing quantitative research studies in Biomedical Informatics, including experimental designs, quasi-experimental designs, observational study designs, internal and external validity, formulation of research questions, testable hypotheses, sampling plans, randomization schemes, and measurement.

Business Admin**BUSADM****Autumn 2024 Semester****3533 Technology Entrepreneurship****U** **3**

Examine the innovative transformation of knowledge captured in scientific discoveries into conceptual, viable, commercial products and services.

Prereq: 3510, and Design 2700 and MechEng or ISE 5682.

Business Admin: Marketing & Logistics**BUSML****Spring 2025 Semester****4223 Foundations of Strategic Sales****U** **3**

Examines the basics of business-to-business professional selling and provides core sales management building blocks. Emphasizes the importance of building relationships and adding substantial value to business customers while providing a theoretical and practical overview of the selling and buying process, salesforce structure, and sales tools.

Prereq: 3250, and BusMHR 2292, or equiv. Not open to students with credit for 4220 and 4221.

Business Admin: Operations and Business Analytics**BUSOBA****Autumn 2024 Semester****7233 Strategic Global Sourcing****G** **3**

Focuses on major decisions related to global sourcing, starting with ownership (make-buy) and location (offshore-onshore). Among other topics, students explore fundamental trade-offs in sourcing organization, such as centralizing or decentralizing.

Prereq: MBA 6231, and 6232, and enrollment in MBA or WP MBA; or enrollment in MSCM program.

Civil Engineering

CIVILEN

Autumn 2024 Semester

6451 Introduction to Photogrammetry

G 3

Analytical and digital photogrammetry, bundle block adjustment, analytical camera calibration, aerotriangulation, image acquisition systems, GPS controlled aerotriangulation, quality control and network design, DEMs and orthophotography. Knowledge of linear algebra expected. Components: LEC

Prereq: Grad standing, enrollment in the College of Engineering; or permission of instructor. Not open for students with credit for ECE 6400. Cross listed in ECE 6400.

Dentistry

DENT

Autumn 2024 Semester

6200 Molecular and Cellular Biochemistry

D 3

Basic principles of biochemistry, molecular and cellular biology with special emphasis on biochemical processes important in dentistry.

Prereq: Enrollment in College of Dentistry. Repeatable to a maximum of 8 cr hrs.

Dental Hygiene

DENTHYG

Autumn 2024 Semester

4740 Expanded Functions for the Dental Auxiliary Clinic I

U 2

Clinical application of expanded function duties permitted by law.

Prereq: A grade of C- or above in 4725.

Design

DESIGN

Spring 2025 Semester

2130 Design Fundamentals II

U 3

Application of acquired skills and knowledge of visual language and spatial constructs to generate design concepts in a given context.

Prereq: 2110. Concur: 2330.

Campus: COL NWK

Spring 2025 Semester

2330 Visual Principles and Techniques II

U 3

Skills and techniques mix media that assist in interpreting, translating and generating visual narratives that reveal relationships among subjects, objects, information, environments, experience and interactions.

Prereq: 2310. Concur: 2130.

Campus: COL NWK

Electrical and Computer Engineering

ECE

Spring 2025 Semester

5460 Image Processing

U G 3

Fundamentals and research directions in image processing: cameras, geometry, calibration, 2D and 3D image reconstruction, stereo, structure from motion, Radiometry, filtering, motion estimation, and applications.

Prereq: Stat 3470, and Math 2568; or Grad standing in Engr, BioSci, Stat, BioMinf, or PhysSci.

English

ENGLISH

Autumn 2024 Semester

2367.01 Language, Identity, and Culture in the U.S. Experience

U 3

Extends & refines expository writing & analytical reading skills, emphasizing recognition of intertextuality & reflection on compositional strategies on topics pertaining to education & pop culture in America.

Prereq: 1110.01, and Soph standing; or EM credit for 1110.01 or equiv; or a declared major in English. Not open to students with credit for 2367.01H. GE writing and comm: level 2 and diversity soc div in the US course.

Autumn 2024 Semester

2367.04 Technology and Science in the U.S. Experience

U 3

Explores how technological changes impact our culture & relationships: students build & expand skills in rhetorical analysis & composition through experimentation with new forms of communicating.

Prereq: 1110.01 or equiv, and Soph standing; or EM credit for 1110.01, or equiv; or a declared major in English. Not open to students with credit for 2367.01 or equiv. GE writing and comm course: level 2.

Spring 2025 Semester

5797 Study at a Foreign Institution

U G 1 - 27

An opportunity for students to study at a foreign institution and receive Ohio State credit for that work. Arranged. Students will pay Ohio State fees and any fees in excess of Ohio State tuition, as well as all travel and subsistence costs.

Prereq: Permission of instructor. Not open to students with 27 sem cr hrs in 5797. Repeatable to a maximum of 27 cr hrs or 27 completions.

Environment and Natural Resources

ENR

Spring 2025 Semester

3500 Community, Environment and Development

U 3

Social change related to natural resource and environmental issues. Includes a focus on community-level initiatives, environmental social movements, and issues of environmental justice.

Prereq: 2300, ENR/AEDEcon 2501, ENR/AEDEcon 2501E, RurlSoc 1500, Sociol 1101, Sociol 1102; or permission of instructor. Not open to students with credit for 3500H. GE theme lived environments course.

Educational Studies: Counselor Education

ESCE

Spring 2025 Semester

7833 Using Evidence in School Counseling to Foster Social Justice

G 3

Students will gain historical perspective of the inequity of education and current data-driven approaches for increasing equity and access to educational programming for all students. School counselors in-training will use data to identify and clarify issues facing students in educational settings, explore research to identify and evaluate effective interventions.

Prereq: Admission to Counselor Education program.

Educational Studies: Philo & Hist of Education

ESPHE

Spring 2025 Semester

5440 Philosophical Perspectives on Race, Education, and Citizenship

U G 3

*Campus: COL LMA
MNS MRN NWK WST*

This course allows participants to pursue philosophical questions at the intersection of race, education, and political life. These include: Does education play a very specific role in racialized patterns of benefit/detriment? What role does race play in understandings of educational policy & practice? How does race affect understandings of 'education for citizenship'?

Prereq: Not open to students with credit for PHILOS 5440. GE theme citizenship for div and just wrld course. Cross-listed in Philos.

General Education

GENED

Autumn 2024 Semester

2601 GE Connection Seminar

U 1

The Connection Seminar fulfills the GE Bookends requirement for transfer students. Students synthesize prior learning, articulate their academic interests, and develop plans and goals for their experience at Ohio State. Connection is open only to students transferring from another institution with AA/AS/OT36 or 45 credit hours. Prereq: Not open to students with credit for 1201 or 4001. This course is graded S/U. GE bookend launch seminar course.

Geography

GEOG

Autumn 2024 Semester

3597.03 Climate Justice

U 3

Campus: COL LMA
MNS MRN NWK WST

This is a course about the political economy of climate change and the political philosophy of climate justice. GE cross-disciplinary seminar course. GE theme sustainability course.

Hebrew

HEBREW

Autumn 2024 Semester

2700 Introduction to the Hebrew Bible/Old Testament

U 3

Introduction to the Hebrew Bible/Old Testament is taught from a historical perspective. The HB/OT is a collection of texts designed to create and fortify the ethnic identity of a single group within imperial contexts, while focusing on the formation of gender identity and race. The student will study the cultural dimensions of the ancient societies in which the HB/OT was written.

Prereq: English 1110.xx, or GE foundation writing and info literacy course. Not open to students with credit for 2700H, JewshSt 2700, or 2700H. GE lit and diversity global studies course. GE foundation lit, vis and performing arts and race, ethnicity and gender div course. Cross-listed in JewshSt.

Spring 2025 Semester

2700H Introduction to the Hebrew Bible/Old Testament

U 3

Introduction to the Hebrew Bible/Old Testament is taught from a historical perspective. The HB/OT is a collection of texts designed to create and fortify the ethnic identity of a single group within imperial contexts, while focusing on the formation of gender identity and race. The student will study the cultural dimensions of the ancient societies in which the HB/OT was written.

Prereq: Honors standing, and English 1110; or permission of instructor. Not open to students with credit for 2700, JewshSt 2700 or 2700H. GE lit and diversity global studies course. GE foundation lit, vis and performing arts and race, ethnicity and gender div course. Cross-listed in JewshSt.

History of Art

HISTART

Spring 2025 Semester

4531 17th-Century Art of the Netherlands

U 3

17th Century Dutch and Belgian art: focuses on major artists and various functions of art (propagating religious beliefs, shaping values, defining identities).

Autumn 2024 Semester

4630 American Art: Inventing the Americans - The Art of Nationhood, Citizenship, and Democracy, 1776-1900

U 3

A study of architecture, painting, and sculpture in America from 1776-1900, with a particular focus on how ideas about nationhood, citizenship, and democracy were negotiated in and through works of art and visual culture. GE VPA course. GE theme citizenship for div and just wrld course.

Jewish Studies

JEWSHST

Spring 2025 Semester

2700 Introduction to the Hebrew Bible/Old Testament

U 3

Introduction to the Hebrew Bible/Old Testament is taught from a historical perspective. The HB/OT is a collection of texts designed to create and fortify the ethnic identity of a single group within imperial contexts, while focusing on the formation of gender identity and race. The student will study the cultural dimensions of the ancient societies in which the HB/OT was written.

Prereq: English 1110.xx, or GE foundation writing and info literacy course. Not open to students with credit for 2700H, Hebrew 2700, or 2700H. GE lit and diversity global studies course. GE foundation lit, vis and performing arts and race, ethnicity and gender div course. Cross-listed in Hebrew.

Spring 2025 Semester

2700H Introduction to the Hebrew Bible/Old Testament

U 3

Introduction to the Hebrew Bible/Old Testament is taught from a historical perspective. The HB/OT is a collection of texts designed to create and fortify the ethnic identity of a single group within imperial contexts, while focusing on the formation of gender identity and race. The student will study the cultural dimensions of the ancient societies in which the HB/OT was written.

Prereq: Honors standing, and English 1110.xx, or GE foundation writing and info literacy course; or permission of instructor. Not open to students with credit for 2700, Hebrew 2700, or 2700H. GE lit and diversity global studies course. GE foundation lit, vis and performing arts and race, ethnicity and gender div course. Cross-listed in Hebrew.

Latin

LATIN

Spring 2025 Semester

6892 Latin Survey II

G 4

Survey of Latin literature (II).

Prereq: Two (2) 2000-level Latin courses; or permission of instructor.

Law

LAW

Autumn 2024 Semester

8005.04 Dispute Resolution Competition

L 1 - 5

Students may earn credit for their participation in the Lawyering Skills program. Repeatable to a maximum of 5 cr hrs or 4 completions. The course is graded S/U.

Autumn 2024 Semester

8005.05 Transactional Competition

L 1 - 5

Students may earn credit for their participation in the Lawyering Skills program. Repeatable to a maximum of 5 cr hrs or 4 completions. The course is graded S/U.

Spring 2025 Semester

8400 Interprofessional Collaboration

L 1 - 2

Learn from interdisciplinary professionals & work together to develop skills to design plans for clients with complex problems. Develop increased understanding of the complex problems of clients; research the broader issues involved in the cases from both a legal & multi-professional perspective; learn skills for effective interprofessional collaboration; & develop a holistic approach to cases.

Modern Greek

MDRNGRK

Spring 2025 Semester

3570 Modern Greek Radio

U 3

Student partners prepare 3 target language broadcasts, each 1 hour in length. Broadcasts stream live over the Internet, then become podcast for public use. Student "DJs" conduct target language research on radio broadcast history and at least 15 thematic topics and related music that interests them. Students choose their music and content with approval and guidelines, then produce scripts.

Prereq: Permission of instructor.

Spring 2025 Semester

4001 Advanced Modern Greek I

U 3

Introduces journalism, literary prose, and media. Students practice discussion and composition.

Prereq: 1103, Modern Greek Seal of Biliteracy; or permission of instructor.

Medical Laboratory Science

MEDLBS

Autumn 2024 Semester

5400 Molecular Techniques in Medical Laboratory Science

U G 2

Provides the student an opportunity to understand and apply basic molecular biology concepts to perform, evaluate and interpret molecular diagnostic tests used for diagnosis of human disease.

Prereq: 5000, 5050, 5100, and admission to Medical Laboratory Science Program, or Medical Laboratory Science certificate program; or permission of instructor. Prereq or concur: 5250 and 5300.

Philosophy

PHILOS

Spring 2025 Semester

2338 Computing Ethics for a Just and Diverse World

U 4

This course provides students in computer science fields analytical and critical tools to become ethically attuned citizens who promote and sustain justice in a diverse world.

Prereq: [GE foundation writing and info literacy course](#). GE theme citizenship for div and just wrld course, High-Impact Practice Research and Creative Inquiry.

Autumn 2024 Semester

4999 Thesis Research

U 1 - 4

A program of reading arranged for each student, with individual conferences, reports, and papers.

Prereq: Permission of instructor. Repeatable to a maximum of 9 cr hrs or 3 completions. This course is graded S/U.

Campus: COL [LMA](#)
MNS [MRN](#) [NWK](#) [WST](#)

Spring 2025 Semester

5440 Philosophical Perspectives on Race, Education, and Citizenship

U G 3

This course allows participants to pursue philosophical questions at the intersection of race, education, and political life. These include: Does education play a very specific role in racialized patterns of benefit/detriment? What role does race play in understandings of educational policy & practice? How does race affect understandings of 'education for citizenship'?

Prereq: Not open to students with credit for ESPHE 5440. Cross-listed in ESPHE. [GE theme citizenship for div and just wrld course](#).

Campus: COL [LMA](#)
MNS [MRN](#) [NWK](#) [WST](#)

Pharmacy

PHR

Autumn 2024 Semester

4180H CNS Drug Discovery

U 1

Exploration of the drug discovery process for new drugs that work in the Central Nervous System (CNS) via in-person student-driven small-group discussion of current primary literature.

Prereq: 2530 or 2530E; or permission of instructor.

Portuguese

PORTGSE

Autumn 2024 Semester**3191 Internship & Career Exploration****U 1 - 6**

Internship for academic credit under employer supervision, with enrollment and grade evaluation by a faculty sponsor and program coordinator in the Dept. of Spanish & Portuguese. Student must obtain the internship and submit signed employer and department agreement prior to the start of the internship term. Enrollment in another academic department or college level internship course is not permitted during the same term. This course does not apply to the Portuguese Major or Minor program.

Prereq: 1103, or 5502, or Portuguese Seal of Bilinguality, and GPA of 2.50 or above, and Soph. Jr. or Sr standing; and permission of department. Repeatable to a maximum of 12 cr hrs or 4 completions. This course is graded S/U.

Autumn 2024 Semester**3401 Advanced Portuguese Grammar****U 3**

In-depth examination of difficult points of Portuguese grammar; emphasis on comprehension of key grammatical concepts in the language. Not open to native speakers of this language through regular course enrollment or EM credit.

Prereq: 1103, or 5502, or Portuguese Seal of Bilinguality; or permission of instructor.

Autumn 2024 Semester**3402 Portuguese Reading and Listening****U 3**

Development of students' reading and listening skills through newspapers, magazines, radio and TV stories, and newscasts. Not open to native speakers of this language through regular course enrollment or EM credit.

Prereq: 1103, or 5502, or Portuguese Seal of Bilinguality; or permission of instructor.

Public Affairs, John Glenn College**PUBAFRS****Autumn 2024 Semester****8890.01 First Year Doctoral Seminar****G 2**

First in a sequence of three doctoral seminars. Imparts knowledge and skills to help Glenn College doctoral students succeed as scholars.

Public Health: Biostatistics**PUBHBIO****Autumn 2024 Semester****6250 Regression Methods for the Health Sciences****G 3**

A second course in regression modeling for public health, including models for binary outcomes, count outcomes, survival/censored outcomes, and data collected from complex survey designs.

Prereq: 6211, or permission of instructor.

Radiologic Sciences and Therapy**RADSCI****Autumn 2024 Semester****3310 Introduction to the Radiation Sciences****U 2**

Introduction to the fields in the radiation sciences. Radiation safety, patient care, and clinical practice principles will be emphasized. Application of principles will be reinforced in laboratory sessions. *Components: LEC*

Prereq: Enrollment in RadSci, or permission of instructor. This course is available for EM credit.

Autumn 2024 Semester**4325 Administrative and Quality Management in Sonography****U 2**

This course will prepare sonography students with an intermediate understanding of how quality management is used to bring forth excellence in a sonography lab located within clinical settings.

Prereq: Enrollment in RadSci, or permission of instructor.

Social Work**SOCWORK**

Spring 2025 Semester

3401 **Research & Statistics for Understanding Social Work Problems and Diverse Populations**

U 3

This is the first course in the BSSW program sequence preparing students to effectively work with research evidence and statistics as social work professionals. Students will develop the requisite skills and knowledge for beginning to identify, assess, and apply existing bodies of evidence to answer questions about social work problems and diverse populations.

Prereq or concur: Math 1060, or 1075 or above, or Stat 1350.01, or Stat 1450 or above, or Math Placement Level R or above; and admission to the Social Work major. Not open to students with credit for 3401E.

Spring 2025 Semester

3700 **Social Work Practice with Digital Technologies**

U 3

The rapid spread of digital technologies constitutes a monumental shift in contemporary culture?one which necessitates a proactive response by social workers and social service organizations. This elective BSSW course examines the complex intersections of digital technologies and social work practice through the lens of The Grand Challenges for Social Work Initiative.

Spring 2025 Semester

6201 **Social Justice, Social Systems, and Social Problems**

G 3

This course will provide students with foundation knowledge related to social justice in the context of social welfare in advancing human rights of all people. The historical and current issues and trends related to social and economic justice will be presented in the context of social work practice and theory at all levels (micro, meso, macro).

Prereq: Grad standing in Social Work. Not open to students enrolled in the following subplans: ASP, ASF, ASP/ONL, ASF/ONL.

Spring 2025 Semester

6202 **Culturally Responsive Social Work**

G 3

Provides students with foundational tools & conceptual frameworks for effective & culturally responsive, anti-oppressive, & anti-racist social work practice with vulnerable individuals, communities, & groups with an understanding of historical & contemporary disadvantage. Students will be introduced to relevant theoretical frameworks & the significance of diversity & cultural responsiveness.

Prereq: Grad standing in Social Work. Not open to students in the following subplans: ASP, ASF, ASP/ONL, ASF/ONL.

Spanish

SPANISH

Autumn 2024 Semester

2202 **Spanish IV**

U 3

Ongoing development of listening, reading, speaking, writing skills and knowledge of Hispanic & Latinx cultures. Taught in Spanish. Students who have attained the Ohio Seal of Biliiteracy (SoBL) receive EM credit for this course level. A grade of C- or above is required to move on to Spanish 3000-level major or minor courses. Not open to native speakers of this language.

Prereq: 1103, or 1113, or equiv., or Spanish Placement Level 6. Not open to students with credit for 2202, 2213, or 3000+ level courses in the major or minor program. This course is available for EM credit.

Autumn 2024 Semester

3191 **Internship & Career Exploration**

U 1 - 6

Internship for academic credit under employer supervision, with enrollment and grade evaluation by a faculty sponsor and program coordinator in the Dept. of Spanish & Portuguese. Student must obtain the internship and submit signed employer and department agreement prior to the start of the internship term. Completion of Spanish 2506 and/or Spanish 3005 is recommended, but not required. Enrollment in another academic department or college level internship course is not permitted during the same term. This course does not apply to the Spanish Major or Minor program.

Prereq: 1103, or 1113, or Spanish Seal of Biliiteracy, and GPA of 2.50+, and Soph, Jr, or Sr standing.
Repeatable to a maximum of 12 cr hrs or 4 completions. This course is graded S/U.

Autumn 2024 Semester

3401 Advanced Grammar

U 3

In-depth examination of difficult points of Spanish grammar; emphasis on comprehension of key grammatical concepts in the language.

Prereq: A grade of C- or above in 2202, or 2213, or Spanish Seal of Biliteracy.

Autumn 2024 Semester

3403 Intermediate Spanish Composition

U 3

Spanish prose forms and practice in writing descriptive, narrative, and expository compositions.

Prereq: A grade of C- or above in 2202, or 2213, or the Spanish Seal of Biliteracy. Concur: 3401, or 3404. Not open to students with credit for 3413.

Autumn 2024 Semester

3404 Spanish Phonetics

U 3

The fundamental principles of phonetic analysis are introduced in a simple and concise manner to show how Spanish sounds are produced, how they fall into patterns, and how they change in different environments. Major attention is devoted to practice with corrective exercises, introductory training in phonetic transcription and, to a lesser extent, the problems of teaching pronunciation.

Prereq: A grade of C- or above in 2202, or 2213, or Spanish Seal of Biliteracy. Concur: 3401, or 3403, 3403H.

Speech and Hearing Science

SPHHRNG

Spring 2025 Semester

3350 Speech-Language Communication Across the Life Span: Issues and Problems in Our Communities

U 3

Exploration of the development of communication skills throughout the life span and the consequences of communication disorders for individuals, their families, and their communities.

GE soc sci indivs and groups course. GE foundation social and behavioral sci course.

Summer 2025 Term

6761 Cognitive Communication Disorders Across the Lifespan

G 3

Impairments in communication due to neurologically related changes in cognition. Pertinent topics include traumatic brain injury, dementia and right hemisphere disorder.

Prereq: Grad standing, or permission of instructor.

Autumn 2025 Semester

6770 Specialty Topics in Pediatric Speech-Language Pathology

G 2

Introduction to specialty topics related to complex pediatric medical conditions and their relevance to speech-language pathologists in all clinical settings.

Prereq: 6761, 6762, 6763, and 6764.

Statistics

STAT

Autumn 2024 Semester

7410 Linear Models

G 3

Theory of the general linear model, definition, assumptions, estimability, hypothesis testing and multiple comparisons. Modern extensions of the linear model, interpretation, inference, prediction and penalized estimation. Multivariate linear models.

Prereq: 6802, 6910, and 6950; or permission of instructor.

Veterinary Biosciences

VETBIOS

Autumn 2024 Semester

7710 Basic Macroscopic Pathology Lecture

V 1

Basic process of identifying gross lesions in domestic animals and some exotic species.
This course is graded S/U.

Autumn 2024 Semester

7711 Basic Macroscopic Pathology

G V 1

Basic process of identifying gross lesions in domestic animals and some exotic species.
This course is graded S/U.

Veterinary Clinical Sciences

VETCLIN

Autumn 2024 Semester

7733 Advanced Equine Medicine

V 2

Common medical problems in adult horses and foals using a problem-oriented, intensive approach.
Prereq: 3rd yr standing in Veterinary Medicine program. [This course is graded S/U.](#)

Autumn 2024 Semester

7743 Basic Exotic Animal Medicine - Small Mammals

V 2

Provides a basic background for a new graduate veterinarian regarding exotic species commonly treated in a companion animal setting. The focus will be on mammalian species.

Prereq: Grad or professional standing in Veterinary Medicine program. [This course is graded S/U.](#)

Autumn 2024 Semester

7746 Cattle Diseases

G V 3

Diagnosis and treatment of medical and surgical diseases of individual cattle.

Prereq: 2nd or 3rd yr standing in Veterinary Medicine program, or Grad standing. [This course is graded S/U.](#)

Veterinary Preventive Medicine

VETPREV

Autumn 2024 Semester

7710 Ecosystem Health Conservation Medicine

G V 2

Principles and application of ecosystem health and conservation medicine will be examined using the One Health One Medicine paradigm. This course may also serve as a component of a non-degree certificate for external veterinarians interested in gaining training in ecosystem health, conservation medicine and/or One Health.

Prereq: CPHR of 2.50 or above; and Grad standing or, 2nd, or 3rd yr standing in Veterinary Medicine program.

Autumn 2024 Semester

7773 Bovine Palpation & Theriogenology

V 3

Laboratory and lecture based course designed to familiarize the student with the techniques of bovine reproductive examination, rectal palpation, ultrasound, pregnancy diagnosis and management.

[The course is graded S/U.](#)

Veterinary Medicine

VMCOLL

Autumn 2024 Semester

6110 Healthy Animals 1A

V 6

[In Healthy Animals 1A students learn about the normal structure and function of common domestic species. Content is organized into blocks according to each body region using the physical exam as the basis for arrangement. This course covers Healthy Head/Neck, Healthy Limbs, Healthy Thorax, and Animal Behavior.](#)

This course is graded S/U.

Autumn 2024 Semester

6120 Healthy Populations 1A

V 5

In Healthy Populations 1A students learn how populations of animals stay healthy and how animals, humans, and the environment co-exist. Students explore the foundational methods that veterinarians use to keep populations safe and the various roles that veterinarians take in ensuring population health.
This course is graded S/U.

Autumn 2024 Semester

6310 Identifying Diseases and Diagnoses 2A

V 6½

In Identifying Diseases and Diagnoses 2A, students learn about mechanisms of disease and how to identify, explain, and diagnose diseases within the nervous, musculoskeletal, urinary, and reproductive systems.
This course is graded S/U.

Autumn 2024 Semester

6320 Population Medicine 2A

V 4

In Population Medicine 2A, students expand on their learning from the Year 1 Healthy Populations 2A course and shift their focus toward population disease, diagnostics, and evidence-based methods for management.
This course is graded S/U.

Autumn 2024 Semester

6613.01 Thinking and Reasoning with Integrated Problems 1A

V 3

In Integrated Problems 1A students apply content learned from didactic courses to clinical cases. Students learn and practice the ways in which veterinary practitioners use various thinking frameworks, observe patients, and gather evidence to make a working problem list.
This course is graded S/U.

Autumn 2024 Semester

6613.03 Thinking and Reasoning with Integrated Problems 2A

V 3½

In Integrated Problems 2A, students continue their learning from Year 1 Integrated Problems 1b and expand their approach to clinical cases. Students apply knowledge they learn in their didactic courses to identify and diagnose various problems within individual and population medicine.
This course is graded S/U.

Autumn 2024 Semester

6614.05 Professional Development 3A

V 1

Career planning including establishing employment goals, preparing a budget and managing student debt. Resume development, interviewing strategies, evaluating employment offers, negotiation skills and understanding employment contracts.
Prereq: 3rd yr standing in VMColl. This course is graded S/U.

Autumn 2024 Semester

6615.01 Communication and Collaboration 1A

V 1

In Communication and Collaboration 1A students explore the different ways that veterinarians communicate in their profession and practice the components of core communication skills. Students learn how to take a patient history and manage challenging communication situations with clients and colleagues.
This course is graded S/U.

Autumn 2024 Semester

6616.03 Veterinary Clinical Skills 2A

V 3

Practical laboratory, providing students opportunities to become proficient in a wide array of hands-on skills relevant to veterinary clinical practice. Topics include basic surgical principles, general examination, animal handling and management, as well as basic diagnostic and treatment skills.
Prereq: Enrollment in DVM program. This course is progress graded (S/U).

Autumn 2024 Semester**6616.05 Veterinary Clinical Skills 3A****V 4**

Practical laboratory, providing students opportunities to become proficient in a wide array of hands-on skills relevant to veterinary clinical practice. Topics include surgical principles, and procedures common in diagnosis and treatment of animals.

Prereq: Enrollment in DVM program. [This course is graded S/U.](#)

Withdraw Course

African American and African Studies**AFAMAST****Autumn 2024 Semester****1121 African Civilizations to 1870****U 3**

Exploration of the political, social, and economic history of precolonial African civilizations, using a variety of interdisciplinary approaches and materials.

Prereq: English 1110. GE historical study and diversity global studies course. GE foundation historical and cultural studies course.

Autumn 2024 Semester**1122 African Civilizations, 1870 to the Present****U 3**

Exploration of the political, social, and economic history of colonial and independent African countries, using a variety of interdisciplinary approaches and materials.

Prereq: English 1110. GE historical study and diversity global studies course. GE foundation historical and cultural studies course.

Art**ART****Autumn 2024 Semester****4998H UG Scholarship Research / Creative Activity****U 3**

Undergraduate research or creative activities in varying topics.

Prereq: Honors standing, and permission of instructor. Repeatable to a maximum of 6 cr hrs.

Bioenergy and Water Treatment Management**BIOWMGT****Summer 2024 Term****1201T Exploring Bioenergy and Water Treatment Management****U 1/2**

Promotes student success in college and preparation for a career; explores personal and career interests, needs, goals, and the support services available for student success.

Summer 2024 Term**2010T Introduction to Bioenergy and Water Treatment Management****U 3**

An Introduction to conventional and alternative energy (with emphasis on bioenergy and bioproducts), including conservation, economic and environmental issues. Water Consumption, scarcity, pollution, and water resource recovery will be emphasized. Fermentation technology and biochemistry of microbial breakdown of carbohydrates, proteins, and lipids will be introduced.

This course is available for EM credit.

Engineering Technology**ENGTECH****Summer 2024 Term****2331T Distributor Management****U 2**

Organization and operation of distributor marketing of mobile equipment and fluid power components and systems; emphasis on service and parts distribution.

Prereq or concur: BusTec 1151T or AEDEcon 2001. This course is available for EM credit.

Food Science and Technology

FDSCTE

Summer 2024 Term

7641 Food Carbohydrates

G 2

Chemical, physical, biological, and functional properties of food carbohydrates and their interactions with other food components.

Prereq: 2400 or equiv., 5600 or equiv., or permission of instructor.

Horticulture and Crop Science

HCS

Summer 2024 Term

5601 Digital Portfolio Development

U G 1

This course will provide an overview of digital portfolio development of prior learning and/or on-going learning. Portfolios may be used to assess and compare learning with contemporary job requirements. Students will learn to select, categorize, and document their achievements and accomplishments for review and assessment, relative to career readiness skills and co-curricular competencies.

Neuroscience Department

NEUROSC

Spring 2025 Semester

5601 Critical Thinking in Neuroscience: Neuroscience in Society

U G 2

This course orientates students with the causes and sources of neurotrauma and the physical and behavioral effects of traumatic brain injury, spinal cord injury and stroke. It will review what comprehensive care looks like for neurotrauma patients and will discuss cutting edge research for new treatments.

Prereq: 5501, and 5502.

Portuguese

PORTGSE

Autumn 2024 Semester

2150 Introduction to the Literatures of the Portuguese-Speaking World

U 3

Offers an overview of major works of the literatures of the Portuguese-speaking world. Students learn about major periods, authors, and aesthetic currents.

Prereq: Not open to students with credit for Portgese 150. GE lit and diversity global studies course.

Quechua

QUECHUA

Autumn 2024 Semester

5501.51 Beginning Quechua I: Individualized Instruction

U G 1 - 4

Quechua 5501.51 (501) is a beginning language course for students with no previous study experience in Quechua. This course will be comprehensive, integrating culture and language from the southern Quechua family spoken in Peru.

Prereq: Not open to students with credit for 5501.01 (501) or to native speakers. Repeatable to a maximum of 4 cr hrs or 4 completions. This course is available for EM credit. GE for lang course. GE world languages course. FL Admis Cond course.

Autumn 2024 Semester

5502.51 Beginning Quechua II: Individualized Instruction

U G 1 - 4

For students who have taken Quechua 5501.01 or 5501.51 (501) or who have previous basic knowledge of Quechua at the beginning level. This course will be comprehensive, integrating culture and language from the southern Quechua family spoken in Peru.

Prereq: 5501.01 (501) or 4 cr hrs of 5501.51, or permission of instructor. Not open to students with credit for 5502.01 (502) or to native speakers. Repeatable to a maximum of 4 cr hrs or 4 completions. This course is available for EM credit. GE for lang course. GE world languages course. FL Admis Cond course.

Autumn 2024 Semester

5503.51 Intermediate Quechua I: Individualized Instruction

U G 1 - 4

For students who have taken Quechua 5502 (502) or who have previous basic knowledge of Quechua at the beginning/intermediate level. This course will be comprehensive, integrating culture and language from the southern Quechua family spoken in Peru.

Prereq: 5502.01 (502), or 4 cr hrs of 5502.51; or permission of instructor. Not open to students with credit for 5503.01 (503) or to native speakers. Repeatable to a maximum of 4 cr hrs or 4 completions. This course is available for EM credit. GE for lang course. GE world languages course. FL Admis Cond course.

Summer 2023 Term

5504.51 Intermediate Quechua II: Individualized Instruction

U G 1 - 4

Quechua 5504.51 is an intermediate language course intended for students with experience in Quechua. The variety taught will be from the southern Quechua family spoken in Bolivia and Peru. Closed to native speakers of this language.

Prereq: 5503.01 (503), or 4 cr hrs of 5503.51; or permission of instructor. Not open to students with credit for 5504.01. Repeatable to a maximum of 4 cr hrs or 4 completions. This course is available for EM credit. FL Admis Cond course.

Spanish

SPANISH

Autumn 2024 Semester

8520 Seminar in Renaissance and Baroque Iberia

G 3

Detailed exploration of advanced issues in 16th- and 17th-century Iberian literatures and cultures.

Prereq: Grad standing, or permission of instructor. Repeatable to a maximum of 18 cr hrs.

Autumn 2024 Semester

8660 Seminar in Iberian Cultures

G 3

Intensive exploration of a cultural period, topic or problem; topic varies.

Prereq: Grad standing, or permission of instructor. Repeatable to a maximum of 12 cr hrs.

Yiddish

YIDDISH

Summer 2024 Term

5671 Yiddish for Speakers of German

U G 3

Yiddish for Speakers of German; intensive overview of Yiddish grammar; stylistics of academic Yiddish; introduction to bibliography in Yiddish and Ashkenazic studies.

Prereq: German 201 or higher, or Grad standing in German. Not open to students with credit for 671.

Council on Academic Affairs Approval

New Program	Proposed By	Status	Date Approved
One Welfare Graduate Certificate	College of Veterinary Medicine	Approved by CAA	7/15/2024
No additional approvals necessary			

New Program	Proposed By	Status	Date Approved
Encountering Middle Eastern and South Asian Cultures Certificate	Department of Near Eastern and South Asian Languages and Cultures	Approved by CAA	7/15/2024
No additional approvals necessary			

New Program	Proposed By	Status	Date Approved
Compliance Certificate	Moritz College of Law	Approved by CAA	7/15/2024
No additional approvals necessary			

New Program	Proposed By	Status	Date Approved
Business Law Certificate	Moritz College of Law	Approved by CAA	7/15/2024
No additional approvals necessary			