

March 2024

Course Number Change

Art

ART**Summer 2024 Term****3335** **Intermediate Digital Photography***Previous Number: 5335***U** 3

Students learn in depth color management and post-production skills for photography including archival digital printing from scanned film negatives, digital capture, post-production software for photography, and fine art printing methods. Students deepen their understanding of photo history and contemporary issues in photography through lectures, readings, discussion.

Components: LEC LAB

Prereq: 2555; or permission of instructor. Not open to students with credit for 5335.

Geography

GEOG**Autumn 2024 Semester****6226** **Spatial Simulation and Modeling in GIS***Previous Number: 5226***G** 3

Fundamental modeling and simulation techniques in GIS, including cellular automata, diffusion models, and agent-based models, and their applications in social, environmental, and natural resources research.

Prereq: Not open to students with credit for 5221 or 5226.

Sociology

SOCIOL**Autumn 2024 Semester****2368** **Urban Social Problems***Previous Number:
2367.02***U** 3

The place of the city in social organization; the emergence, nature, and problems of modern urbanism; projects based in census and field data.

GE soc sci orgs and polities course. GE theme citizenship for div and just wrld course.

New Course

Accounting and Management Information Systems

ACCTMIS**Autumn 2024 Semester****4640** **Accounting Data and Analytics****U** 3

Course prepares students to think critically, ask the right accounting questions, know where to access enterprise data and analyze data; Consistently references Bloom's taxonomy and the AMPS model. Course emphasizes four types of data analytics - descriptive, diagnostic, predictive, and prescriptive - and how each can be used to address accounting questions.

Prereq: AcctMIS 3200.

Agricultural, Environmental, and Dev Economics

AEDECON

Summer 2024 Term**2501E Introduction to Sustainability****U 4**

Introduces students to principles from various disciplines related to social, economic and environmental sustainability. Students will evaluate key concepts and examine tradeoffs that are a part of sustainability action using case studies representing diverse perspectives. Team-taught course with faculty member in ENR. Prereq: Honors standing; and Soph standing, or permission of instructor. Not open to students with credit for ENR 2501E, ENR/AEDEcon 2501, or ENR/AEDEcon 2500. GE theme sustainability course. Cross-listed in ENR.

Aerospace Engineering**AEROENG****Autumn 2024 Semester****6560 Advanced Aerodynamics****G 3**

Advanced elements of aerodynamics across the entire Mach range.

Prereq: Grad standing in Mechanical Engineering or Aerospace Engineering; or permission of instructor.

African American and African Studies**AFAMAST****Autumn 2024 Semester****5681 Black Art in America: Arts and Cultural Policies from Reconstruction to Afrofuturism****U G 3**

This course takes a unique approach in how arts management, arts entrepreneurship, cultural production, and cultural organizations are studied. This is done by looking at the decisions made, and practices and policies employed, by Black Americans in the arts throughout the complex, and often problematic, history of the United States.

Prereq: Not open to students with credit for ArtEduc 5681. Cross-listed in ArtEduc.

Aviation**AVIATN****Autumn 2024 Semester****3800 Advanced Uncrewed Aviation Operations Beyond Visual Line of Sight****U 3**

This course introduces the student to Unmanned Aircraft Systems operating beyond the visual line of sight. The course covers specific UAS applications, human factors in the uncrewed aviation space, professionalism, regulations, and complex operations with a strong emphasis on safety. Prepares students for Advanced Safety Level 1 certification exam through Unmanned Safety Institute.

Prereq: 2401.

Biomedical Engineering**BIOMEDE****Autumn 2024 Semester****5160 Medical Imaging and Processing****U G 3**

Introduction to medical imaging techniques (CT, MRI, PET, ultrasound), including data collection, image reconstruction, physics of tissue interactions, and digital processing of medical images.

Undergrad Prereq: 4110, and Concur: 3701; or ECE 3050, and Concur: ECE 3905. Grad Prereq: Grad standing in BiomedE, ECE, or Biophys. Cross-listed in ECE 5206.

Autumn 2024 Semester**5340 Polymers in Bioengineering****U G 3**

This course focuses on polymers (both synthetic and biopolymers) for bioengineering applications. Topics include polymer chemistry and characterization techniques, design criteria for bioengineering applications, nanocomposites, and hydrogels. Applications of polymers in tissue engineering and drug and gene delivery will be covered.

Undergrad Prereq: 4310, or CBE 3508; or permission of instructor. Grad Prereq: Grad standing in Engineering; or permission of instructor. Cross-listed in CBE 5738.

Chemical and Biomolecular Engineering**CBE**

Autumn 2024 Semester

5738 Polymers in Bioengineering

U G 3

This course focuses on polymers (both synthetic and biopolymers) for bioengineering applications. Topics include polymer chemistry and characterization techniques, design criteria for bioengineering applications, nanocomposites, and hydrogels. Applications of polymers in tissue engineering and drug and gene delivery will be covered.

Undergrad Prereq: 3508, or BiomedE 4310; or permission of instructor. Grad Prereq: Grad standing; or permission of instructor. Cross-listed in BiomedE 5340.

Computer Science and Engineering

CSE

Summer 2024 Term

6011 Computational Thinking in Context

G 3

Introduction to computational thinking, focusing on problem solving and programming concepts such as abstraction; Use of computing to discover new insights from data; How computers and the internet work; Societal impacts of computing innovations.

Prereq: Permission of instructor.

Earth Science

EARTHSC

Autumn 2024 Semester

1101 Natural Disasters in Movies

U 2

This course provides students with scientific background on earthquakes, volcanic eruptions, tsunamis, extraterrestrial impacts and climate change. In this course students will analyze disasters portrayed in popular movies, gain an appreciation of natural disasters beyond movies, understand why natural disasters happen, and explore our ability or inability to control and predict such events. This course does not contribute to the Film Studies major or minor.

Prereq: Not open to students with credit for 1151.

Economics

ECON

Autumn 2024 Semester

8877 Experimental Economics Methodology

G 3

This course will equip students with the tools needed to design, run, and analyze a laboratory experiment that conforms to the norms and expectations of the field of experimental economics.

Prereq: 8714; or instructor permission.

Evolution, Ecology and Organismal Biology

EEOB

Autumn 2024 Semester

2260 Discovering Biodiversity using Integrative Research

U 4

This course-based undergraduate research experience (CURE) will build science literacy and critical thinking skills by focusing on captivating ecological relationships and the conservation of biodiversity. Students will develop proficiencies and content knowledge about the origins and evolution of local and global natural systems. GE theme origins and evolution course.

Environment and Natural Resources

ENR

Summer 2024 Term

2501E Introduction to Sustainability

U 4

Introduces students to principles from various disciplines related to social, economic and environmental sustainability. Students will evaluate key concepts and examine tradeoffs that are a part of sustainability action using case studies representing diverse perspectives. Team-taught course with faculty member in AEDE.

Prereq: Honors standing; and Soph standing, or permission of instructor. Not open to students with credit for AEDEcon 2501E, ENR/AEDEcon 2501, or ENR/AEDEcon 2500. GE theme sustainability course. Cross-listed in AEDEcon.

Environmental Engineering

ENVENG

Spring 2025 Semester

3600 Technology Innovation for Sustainability

U 4

Society faces many challenges in terms of improving its environmental challenges. This course is designed to expose you to many of these challenges and the different technical and non-technical perspectives that will be necessary to understand and create solutions and a more sustainable future.

GE theme sustainability course.

Educational Studies: Counseling Psychology

ESCPSY

Autumn 2024 Semester

7040 Vocational Psychology

G 3

This course involves presentation and critical examination of predominant theories of vocational development, the motivation to work, and their application to the counseling therapeutic process. Contemporary critique, challenge, and new perspectives on vocational development theories, practice, and research are explored.

Prereq: Admission to Counseling Psychology Program; or permission of instructor.

Autumn 2024 Semester

7189.01 Advanced Doctoral Practicum 1

G 3

The primary purpose of this first year doctoral level counseling practicum sequence in year 2 is to provide students with a closely supervised, integrated counseling experience through a full immersion practicum experience. The student completes a year-long practicum, intensifies case presentations, conceptualizations and treatment planning, and receives supervision on site and in class.

Prereq: Admission to Counseling Psychology Program or permission of instructor.

Autumn 2024 Semester

7189.02 Advanced Doctoral Practicum 2

G 3

The primary purpose of this first year doctoral level counseling practicum sequence in year 2 is to provide students with a closely supervised, integrated counseling experience through a full immersion practicum experience in which the student completes a year-long practicum, intensifies case presentations, conceptualizations and treatment planning, and receives supervision on site and in class.

Prereq: Admission to Counseling Psychology Program or permission of instructor.

General Education

GENED

Summer 2024 Term

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. Course open to transfer students only.

Prereq: Not open to students with credit for 1201 or 4001. This course is graded S/U. GE bookend launch seminar course.

General Studies

GENSTDS

Summer 2024 Term

3191T Conducting Your Internship in the College of Food, Agricultural, and Environmental Sciences OSU ATI

U 0

Ohio State ATI strives to provide opportunities for students to develop the critical competencies and technical knowledge and skills that employers demand in the job market and that are necessary for student success in their chosen field. This class provides students the structure to complete the initial requirements of their internship experience. Advisor approval required.

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

Horticulture and Crop Science

HCS

Autumn 2024 Semester

5320 Floriculture Crop Production

U G 3

This course will cover advanced methods for commercial production of greenhouse-grown floriculture crops. Principles and practices of production systems, plant materials, cultural practices, and environmental conditions to produce economically significant floriculture crops will be discussed during lectures. Additionally, students will gain hands-on experience in practices and procedures.

Prereq: 3320 and 3521; or Grad standing; or permission of instructor.

History of Art

HISTART

Autumn 2024 Semester

3010E Gender and Sexuality in European Art

U 3

This course offers an introduction to the intersectional study of European Art, exploring the intertwining ideologies of gender, sexuality, race, and ethnicity from the Ancient Mediterranean World to the Twentieth Century.

GE VPA course. GE foundation lit, vis and performing arts and race, ethnicity and gender div course.

Autumn 2024 Semester

7190 Curatorial Practicum: Exhibition Making and Institutional Structures

G 4

This class introduces graduate students to the operations, practices, missions of the various departments that comprise an art institution and how they relate to the final exhibition that a public encounters in the gallery.

Industrial and Systems Engineering

ISE

Autumn 2024 Semester

7270 Computational Optimization

G 3

This course focuses on how to determine, empirically and theoretically, if one optimization algorithm is 'better' than another. Familiarity with programming basics, complexity theory, optimization (e.g. ISE 5200, ECE 5759, etc.), optimality conditions (e.g., global v. local, KKT, duality) is recommended.

Law

LAW

Autumn 2024 Semester

7119 Early Dispute Resolution

L 1

This course examines the application of the Early Dispute Resolution Institute Protocols for resolving disputes at their inception. The focus is on the depth psychology underlying the Protocols, the skills required in each step of the process, and on learning these sufficiently to conduct an effective EDR mediation.

Autumn 2024 Semester

7120 Mastering Difficult Conversations & Negotiation: Future Lawyers & Business Leaders

L 1

This course is designed to equip law and business students with leadership and negotiation skills, with a particular emphasis on cultural intelligence.

Autumn 2024 Semester

8005.01 Moot Court Governing Board

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

8005.02 Moot Court 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**8005.03 Mock Trial 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**8005.04 Dispute Resolution Competition****L 1 - 5**

Students may earn credit for their participation in the Lawyering Skills program.
Repeatable to a maximum of 1 cr hrs or 5 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 1 cr hrs or 5 completions. The course is graded S/U.

Autumn 2024 Semester**8316 Poverty Law****L 3**

This course surveys the various federal and state law policies governing the needs of low-income clients and communities: welfare, housing, health, education, access to justice, and criminalization.

Autumn 2024 Semester**8896.80 Judicial Decision-Making****L 2**

In this seminar, we will examine how judges make decisions.

Microbiology**MICRBIO****Autumn 2024 Semester****4145 Introduction to Industrial Microbiology and Bioprocessing Laboratory****U 3**

Discovery-based lab course to introduce students to industrial microbiology. Students will use fermentation processes and biological engineering of microorganisms for the production of value-added molecules. Students will gain operational knowledge of bioreactors and of molecular biology and microbiology techniques relevant to industrial microbiology.

Prereq: 4100, or 4000.01, 4000.02; or permission of instructor.

Neuroscience Department**NEUROSC****Spring 2025 Semester****5503 Clinical Neurobiology****U G 3**

The biological basis of various neurological diseases will be the focus of this course. It will explore the pathological and behavioral changes that occur in common neurological diseases and how they are used to diagnose disease. Discussions will focus on contemporary theories of disease onset, biomarker advancement, and novel treatments being developed by lead researchers today.

Prereq: 5501, and 5502.

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.

Spring 2025 Semester

5603 Traumatic Injuries in the Central Nervous System

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.

Spring 2025 Semester

5605 Research Techniques in Neuroscience

U G 2

This course will focus on experimental design, developing a solid research question, and writing a hypothesis in ways that relate to both basic and clinical research including contemporary and popular research techniques, such as the use of transgenic animals, animal behaviors, cellular culture, gene and protein assays, microscopy, immunohistochemistry, gene therapy, as well as optogenetics.

Prereq: 5501, and 5502.

Occupational Therapy

OCCTHER

Autumn 2024 Semester

7760 Advanced Practice in Mental Health and Community-Based Practice

G 2

This course design is based on professional growth through self-learning, group roles, and group processes. The OTD learner will apply foundational and advanced knowledge and techniques to various client populations. The learner will integrate their knowledge of mental health, cognition, therapeutic use of self, group facilitation, public health and community practice.

Prereq: 6220, and 6221, and admission to the OTD program.

Pharmacy

PHR

Autumn 2024 Semester

4402 Pharmacoeconomics: Measuring the Value of Pharmaceutical Interventions

U 3

Introduction to economic evaluation of pharmaceutical and other health care interventions, including cost-effectiveness and cost-benefit analysis, to measure the value of disease prevention and health care treatments and services. Students learn to evaluate costs and health outcomes, to interpret and appraise economic evaluations in the literature, and the use of decision analysis in health care.

Prereq: Not open to students with credit for Phr 5402, 7402, or MCR 7402.

Portuguese

PORTGSE

Summer 2024 Term

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 and 5502, 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.

Summer 2024 Term

5191 Internship in Portuguese

U G 1 - 6

Use of advanced Lusophone linguistic & cultural skills in a professional training context or industry 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 an internship and submit signed employer and department agreement prior to the start of the internship term. Submission of a completed Internship Enrollment Application & Supervisor Agreement is required. Graduate students must obtain faculty advisor approval and confirm work hour commitment and duties each week of the internship term for enrollment in the appropriate number of credit hours. A maximum of 3 cr may be applied to the undergraduate major or minor program with Undergraduate Studies Committee approval.

Prereq: 3450, 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**3220 Citizenship in the Age of Big Data: Law, Technology, and Social Justice****U 3**

This course equips students with an in-depth understanding of civil liberties and rights during a time of swift technological transformation. We will explore what it means to be a citizen in the age of big data and how technological transformations can either uphold or challenge core constitutional protections. Key focal points include surveillance, algorithmic bias, and free speech.

GE theme citizenship for div and just wrld course.

Religious Studies**Autumn 2024 Semester****4342 Religion, Meaning, and Knowledge in Africa and its Diaspora****U 3**

While the practice of religion in Africa is as diverse as its people, three major belief systems define the practice: African Traditional Religion, Islam, and Christianity. This course will examine classical and contemporary definitions of African Traditional Religion/s and the introduction and adaptations of Islam and Christianity in Africa, as well as religious practices in the African Diaspora.

Prereq: Not open to students with credit for AfAmASt 4342. Cross-listed in AfAmASt.

GE cultures and ideas and diversity global studies course. GE theme traditions, cultures, and transformations course.

Russian**Summer 2024 Term****1102.02 Elementary Russian II (Distance Learning)****U 4**

In this course you will learn the basic skills necessary for culturally appropriate communication in Russian (speaking, listening, reading, and writing). By the end of this course, you will be able to carry on basic conversations in Russian on many topics from your daily life.

Prereq: 1101.01, 1101.51, or 1101.61. Not open to students with credit for 1102.01, 1102.51, or 1102.61. GE for lang course. GE world languages course.

Autumn 2024 Semester**1201 Basic Russian Phonetics through Children's Poetry and Songs****U 1**

This class focuses on the foundational development of communicative skill areas: listening, reading, speaking, and writing. We will work to improve communicative competence in Russian with a special focus on two skills, speaking/pronunciation and listening, through the lens of Russian children's poetry and songs.

This course is graded S/U.

Autumn 2024 Semester**1202 Basic Reading in Russian Culture****U 1**

This class focuses on the development of communicative skill areas: listening, speaking, and writing/grammar with a greater emphasis on reading through the lens of cultural material. The course provides an additional opportunity for students to work on basic grammatical structures and essential vocabulary covered in R 1101.

This course is graded S/U.

Social Work**Autumn 2024 Semester****6601 Professional Values and Ethics****G 1**

Provides students with an intro to and appreciation of the ethical principles that underlie social work practice. Emphasis is placed on the historical, philosophical, and legal foundations giving rise to these ethical principles.

Students will be exposed to the roles and skills expected of a social work leader, especially in the context of ethical decision-making and ethical dilemma resolution.

Prereq: Admission to the MSW Program; Concur: 6501.

Spanish

Summer 2024 Term

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

Summer 2024 Term

5191 Internship in Spanish

U G 1 - 6

Use of advanced Spanish linguistic & cultural skills in a professional training context or industry 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 an internship and submit signed employer and department agreement prior to the start of the internship term. Submission of a completed Internship Enrollment Application & Supervisor Agreement is required. Spanish 3005 or 5689S recommended, but not required. Graduate students must obtain faculty advisor approval and confirm work hour commitment and duties each week of the internship term for enrollment in the appropriate number of credit hours. A maximum of 3cr may be applied to the undergraduate major and/or toward the Immersion Component, or minor program with Undergraduate Studies Committee approval.

Prereq: 3450 or 3450H, GPA of 2.50 or above, 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.

Remove from Limbo

Law

LAW

Spring 2025 Semester

7236 International Trade

L 2 - 3

Public international law framework and institutions that regulate trade and economic relations between nations.

Prereq: Not open to students with credit for 762L.

Autumn 2024 Semester

8315 Education Law

L 2 - 3

An examination of the legal framework and issues of public education K-12.

Music

MUSIC

Autumn 2024 Semester

3402.32 Applied Music (Principal): Viola

U 4

Viola instruction to develop professional qualities of musicianship, technique, and knowledge of music literature.

Prereq: 2201, enrollment in BM in Performance majors. Repeatable to a maximum of 12 cr hrs.

Autumn 2024 Semester

4502.32 Applied Music - Principal - Viola

U 4

Applied viola instruction to develop musicianship, performance, and knowledge of music literature.

Prereq: 3402, and enrollment in BA in Music. Repeatable to a maximum of 12 cr hrs.

Autumn 2024 Semester

4602.32 Applied Music - Principal - Viola

U 4

Advanced viola instruction to develop professional qualities of musicianship, technique and literature.

Prereq: 4502, and enrollment in BM major. Repeatable to a maximum of 12 cr hrs.

Autumn 2024 Semester

7715 Structure and Function of the Singing Mechanism

G 3

Anatomy and acoustics of the voice as they relate to developmental vocal pedagogy.

Prereq: Grad standing.

Remove from Withdrawal

Law

LAW

Autumn 2024 Semester

6375 Dueling Systems of Law

L 1

This course examines sovereignty by asking how law is generated by often competing communities and levels of governance.

This course is graded S/U.

Update Course

Accounting and Management Information Systems

ACCTMIS

Autumn 2024 Semester

3100H Quantitative Analysis in Accounting

U 3

Accounting information system applications of linear algebra are explored including a subspaces representation of double entry accounting structure, a probability assignment description of a decision maker's uncertain state of knowledge, and Bayesian belief updating description of information processing including projections for the case of linear or Gaussian conditional expectations.

Prereq: Honors standing, a grade of B or better in 2200H, and Soph standing. Not open to students with credit for 4780H.

Agricultural, Environmental, and Dev Economics

AEDECON

Autumn 2024 Semester

2501 Introduction to Sustainability

U 4

Introduces students to principles from various disciplines related to social, economic and environmental sustainability. Students will evaluate key concepts and examine tradeoffs that are a part of sustainability action using case studies representing diverse perspectives. Team-taught course with faculty member in ENR.

Prereq: Not open to students with credit for 2500, ENR 2500, or ENR 2501. GE theme sustainability course.

Cross-listed in ENR.

African American and African Studies

AFAMAST

Summer 2024 Term

2080 African American History to 1877

U 3

The study of the African American experience in America from arrival through the era of Reconstruction, focusing on slavery, resistance movements, and African American culture. Students will analyze the intersection of race, gender, ethnicity, religion, social class, and other categories through the lens of African Americans? lived experiences and how they functioned in Black communities.

Prereq: Not open to students with credit for History 2080. GE historical study course. GE foundation historical and cultural studies and race, ethnicity and gender div course. Cross-listed in History.

Autumn 2024 Semester

2081 African American History from 1877

U 3

The study of the African American experience in the United States from the era of Reconstruction through the present, with an emphasis on the intersection of race, gender, ethnicity, religion, and social class.

Prereq: Not open to students with credit for History 2081. GE historical study course. GE foundation historical and cultural studies and race, ethnicity and gender div course. Cross-listed in History.

Autumn 2024 Semester

4342 Religion, Meaning, and Knowledge in Africa and its Diaspora

U 3

While the practice of religion in Africa is as diverse as its people, three major belief systems define the practice: African Traditional Religion, Islam, and Christianity. This course will examine classical and contemporary definitions of African Traditional Religion/s and the introduction and adaptations of Islam and Christianity in Africa, as well as religious practices in the African Diaspora.

Prereq: Not open to students with credit for RelStds 4342. GE cultures and ideas and diversity global studies course. GE theme traditions, cultures, and transformations course. [Cross-listed in RelStds.](#)

Agricultural Communication

AGRCOMM

Spring 2025 Semester

5535 Data Visualization and Scientific Storytelling in FAES

U G 3

Introduction to design principles and skills needed to clearly and effectively report research results and technical information in both academic and nonacademic communication contexts in food, agricultural, and environmental sciences.

Prereq: Honors, Sr, or Grad standing; or permission of instructor.

Anatomy

ANATOMY

Autumn 2024 Semester

3050 Undergraduate Neuroanatomy Laboratory

U 2

Exploration of human neuroanatomy through hands-on laboratory experiences that utilize cadaveric materials, histological cross sections, and imaging.

Prereq: 2100.01, 2100.02, 2100.03, 2100.04, 2300, or 3300.01; or permission of instructor.

Animal Sciences

ANIMSCI

Spring 2025 Semester

2400.07 Global Dairy Industries

U 1

An opportunity for students to study the culture; political, economic, and social framework; and dairy industry of another country. This course is offered in conjunction with AnimSci 3797.07 - Dairy Industry Outside the US. Concur: 3797.07.

Spring 2025 Semester

3307 Dairy Cattle Selection and Evaluation

U 2

Use of functional type traits in evaluation and selection of dairy cattle.

Prereq: Soph standing or above, or permission of instructor.

Spring 2025 Semester

7030 Advanced Topics in Ruminant Nutrition

G 3

Advanced aspects of ruminant digestion, microbial fermentation, absorption, metabolism, physiology and the integration of these processes into rationing approaches will be emphasized, building on principles of ruminant nutrition from past courses.

Prereq: 5031 or equiv, or Biochem 4511; or permission of instructor.

Anthropology

ANTHROP

Autumn 2024 Semester

3419 Latin American Cultures and Migration in Global Perspective

U 3

An intensive ethnographic investigation of Latin American and Caribbean migration (Mexico, Ecuador, The Dominican Republic) including the history of migration; contemporary movement; and transnationalism.

GE soc sci orgs and politics course. GE theme citizenship for div and just wrld and migration, mobility, and immobility course.

Autumn 2024 Semester**5627 Migrants and Refugees: The Anthropology of Mobility****U G 3***Campus: COL LMA
MNS MRN NWK WST*

This course is an anthropological investigation of human mobility with a focus on the movement of migrants and refugees. Credit for 2202 is recommended but not required.

GE theme citizenship for div and just wrld and migration, mobility, and immobility course.

Architecture**ARCH****Autumn 2024 Semester****7420 Advanced Architectural Design II****G 6**

Architectural design with an emphasis on materiality and organization. Continuation of Arch 7410.

Prereq: 7410.

Autumn 2024 Semester**8410 Advanced Architectural Design III****G 6**

Advanced topics in architectural design.

Prereq: 7420 or 844.01. Not open to students with credit for 844.02 or 844.03.

Autumn 2024 Semester**8420 Advanced Architectural Design IV****G 6**

Advanced topics in architectural design.

Prereq: 8410.

Art Education**ARTEDUC****Autumn 2024 Semester****5681 Black Art in America: Arts and Cultural Policies from Reconstruction to Afrofuturism****U G 3**

This course takes a unique approach in how arts management, arts entrepreneurship, cultural production, and cultural organizations are studied. This is done by looking at the decisions made, and practices and policies employed, by Black Americans in the arts throughout the complex, and often problematic, history of the United States.

Prereq: Not open to students with credit for AfAmASt 5681. Cross-listed in AfAmASt.

Business Admin: Finance**BUSFIN****Autumn 2024 Semester****4235 Applied Fundamental Investing****U 3**

Theories and applications in asset management including the roles of investment strategies.

Prereq: 4211, or 4211H; and 4221, or 4221H.

Business Admin: Management & Human Rsrcs**BUSMHR****Autumn 2024 Semester****3000 Advanced Topics in International Business****U 3**

Advanced topics in international business including strategy, alliances, and exchange.

Prereq: 2000, 2292, AcctMIS 2300, BusOBA 2320, and 2321. Not open to students with credit for 4010 or International Business Minor students.

Autumn 2024 Semester**7335 Leveraging Diversity****G** 1½

Best practices and innovative ideas in managing diversity, the impact of diversity within and outside the organization, and how diversity creates value for an organization.

Prereq: Grad standing.

Business Admin: Marketing & Logistics**BUSML****Autumn 2024 Semester****4224 Strategic Sales Leadership****U** 3

This course provides an overview of sales management and its managerial hierarchy using real-world Fortune 100 company examples as well as practical, experiential application through case work and guest panelists. Principles covered include enterprise BSB sales strategy and structure, sales leadership, value-based sales methodology and practice, sales force design, development, and management, sales forecasting, CRM and sales technologies, salesperson performance, behavior, motivation, exploration of career-pathing in sales and sales leadership, recruitment and selection of salespeople, training salespeople, compensation.

Prereq: 4223, and BusMHR 2292, or equiv. Not open to students with credit for 4220 or 4221.

Autumn 2024 Semester**4232 Digital Marketing****U** 3

Examines the how marketers can utilize emerging media (electronic, online, social and mobile) to promote customer engagement, enhance their traditional marketing mix, and measure the effectiveness of marketing efforts.

Components: LEC REC

Prereq: 4201, 4202, and BusMHR 2292, or equiv.

Business Admin: Operations and Business Analytics**BUSOBA****Summer 2024 Term****7259 Operations and Technology Strategy****G** 1½

Develop a unifying framework for analyzing strategic issues in operations. Use theory and cases to illustrate and explore the concept of operations and technology strategy. Covers strategic decisions on technology, facilities, vertical integration, human resources, global operations and social issues.

Prereq: Enrollment in Fisher College of Business Grad program; or permission of instructor.

Chemical and Biomolecular Engineering**CBE****Autumn 2024 Semester****3730 Unit Operations I****U** 1

The fundamental laboratory course in chemical engineering: laboratory investigation of the operating characteristics of chemical engineering equipment.

Prereq: 2200, or permission of instructor.

Autumn 2024 Semester**3731 Unit Operations II****U** 1

The fundamental laboratory course in chemical engineering: laboratory investigation of the operating characteristics of chemical engineering equipment.

Prereq: 3730, or permission of instructor.

Autumn 2024 Semester**3732 Unit Operations III****U** 2

The fundamental laboratory course in chemical engineering: laboratory investigation of the operating characteristics of chemical engineering equipment.

Prereq: 3731, or permission of instructor.

Cancer Biology and Genetics**CBG**

Autumn 2024 Semester

8080 Current Topics in Cancer Biology and Cancer Genetics

G 3

This advanced course provides an extensive exploration into the latest developments in cancer biology, genetics, and biotechnology. Students will learn how advances are transforming our approach to diagnosing, treating, and understanding cancer, particularly through the lens of personalized medicine.

Comparative Studies

COMPSTD

Autumn 2024 Semester

2321 Introduction to Asian American Studies

U 3

Introduction to how Asian Americans as a whole and as specific ethnic groups have been racialized throughout U.S. history; examination of diverse Asian American experiences, cultural practices, and political viewpoints through gender, sexuality, class, immigrant status, dis/ability, and other social differences.

Prereq: English 1110.XX, or GE foundation writing and info literacy course. Not open to students with credit for EthnStd 2321. GE cultures and ideas course and diversity soc div in the US course. GE foundation historical and cultural studies and race, ethnicity and gender div course course. Cross-listed with Ethnic Studies.

Electrical and Computer Engineering

ECE

Autumn 2024 Semester

5206 Medical Imaging and Processing

U G 3

Introduction to medical imaging techniques (CT, MRI, PET, ultrasound), including data collection, image reconstruction, physics of tissue interactions, and digital processing of medical images.

Undergrad Prereq: 3050, and Concur: 3905; or BME 4110, and Concur: 3701. Grad Prereq: Grad standing in ECE, BiomedE, or Biophys. Not open to students with credit for BME 5160. Cross-listed in BME 5160.

Spring 2025 Semester

5244 Si and Wide Band Gap Power Devices

U G 3

Basic design and operation of Si and Wide Band Gap (WBG: SiC, GaN and ultra wide band gap semiconductors) power devices and the applications of commercial devices in power electronics applications. Trade-offs between various devices. Static and dynamic operation. Comparison of Si and SiC devices and design differences.

Prereq: 3030, or MatScEn 3271; or Grad standing in Engr or Physics. Not open to students with credit for 5194.07 or 5234.

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.

Education: Teaching and Learning

EDUTL

Autumn 2024 Semester

8040 Professional Seminar for Doctoral Students in Teaching and Learning

G 3

In this seminar, students will gain professional knowledge aimed at facilitating success within the doctoral program. Students will become acquainted with both the explicit and tacit expectations of doctoral study and acquire competencies that will support their continued development as scholars.

Prereq: Not open to students with credit for 8420. Repeatable to a maximum of 9 cr hrs.

Autumn 2024 Semester

8620 Language Teacher Education

G 3

This course explores language teacher education over 30 years, considering evolving goals in relation to local and national language teaching priorities (e.g., Bilingual Education, TESOL). Theoretical frameworks and research methods used in investigating teacher learning will be examined, critically evaluating their relevance to evolving education priorities.

Prereq: Grad admission as a foreign and 2nd lang ed program major or in an equiv. program related to global ed, multicultural ed, or a foreign language major in one of the OSU lang. dept (e.g., Spanish, German, Chinese).

Engineering

ENGR

Autumn 2024 Semester

1181.01 Fundamentals of Engineering I

U 2

Engineering problem solving utilizing computational tools such as Excel and MATLAB; hands-on experimentation; modeling; teamwork; written, oral and visual communications.

Prereq or concur: Math 1140, or 1141; or Math 1150 or above. Not open to students with credit for Engr 1182.01, 1182.02, 1182.03, 1182.04, 1282.01H, 1282.02H, 1282.03H, 1282.04H, 1186.01, 1187, or 1188.

Autumn 2024 Semester

1182.01 Fundamentals of Engineering II

U 2

Introduction to 3D visualization and CAD; engineering design-build process; teamwork; written, oral and visual communications; project management.

Prereq: 1181.01, or 1181.02, or 1281.01H, or 1281.02H, or 1281.03H. Prereq or Concur: Math 1141; or Math 1151 or above. Not open to students with credit for 1186.01, or 1187, or 1188; not repeatable if credit earned for 1182.01, or 1182.02, or 1182.03, or 1182.04, or 1282.01H, or 1282.02H, or 1282.03H, or 1282.04H.

Autumn 2024 Semester

1182.02 Fundamentals of Engineering II - Scholars

U 2

Introduction to 3D visualization and CAD; engineering design-build process; teamwork; written, oral and visual communications; project management.

Prereq: 1181.01, or 1181.02, or 1281.01H, or 1281.02H, or 1281.03H, and Scholars status. Prereq or concur: Math 1141; or Math 1151 or above; engineering student, or permission of department. Not open to students with credit for 1186, or 1187, or 1188; not repeatable if credit earned for 1182.01, or 1182.02, or 1182.03, or 1182.04, or 1282.01H, or 1282.02H, or 1282.03H, or 1282.04H.

Autumn 2024 Semester

1187 Fundamentals of Engineering for Transfer - MATLAB

U 1

Engineering problem solving utilizing computational tools such as MATLAB.

Prereq or concur: Math 1150 or above. Not open to students with credit for 1221.

Engineering Technology (BS)

ENGRTEC

Autumn 2024 Semester

4900 ENGRTEC Capstone I

U 3

This course is designed to provide students the opportunity to test their level of acquired knowledge, experience, and leadership in an actual, well-defined customer project environment. Students will be provided an assigned project of interest, work in project teams, interacting with an engineering client leadership/people, to define, design, test and implement an actual working product, service.

Prereq: 3800.

Environment and Natural Resources

ENR

Autumn 2024 Semester**2501 Introduction to Sustainability****U 4**

Introduces students to principles from various disciplines related to social, economic and environmental sustainability. Students will evaluate key concepts and examine tradeoffs that are a part of sustainability action using case studies representing diverse perspectives. Team-taught course with faculty member in AEDE.

Prereq: Not open to students with credit for 2500, AEDEcon 2500, or AEDEcon 2501. GE theme sustainability course. Cross-listed in AEDEcon.

Ethnic Studies**ETHNSTD****Autumn 2024 Semester****2321 Introduction to Asian American Studies****U 3**

Introduction to how Asian Americans as a whole and as specific ethnic groups have been racialized throughout U.S. history: examination of diverse Asian American experiences, cultural practices, and political viewpoints through gender, sexuality, class, immigrant status, dis/ability, and other social differences.

Prereq: English 1110.XX, or GE foundation writing and info literacy course. Not open to students with credit for CompStd 2321. GE cultures and ideas and diversity soc div in the US course. GE foundation historical and cultural studies and race, ethnicity and gender div course. Cross-listed with CompStd.

French**FRENCH****Summer 2024 Term****1155.21 Beginning French Review DL****U 4**

*Campus: COL LMA
MNS MRN NWK WST*

Distance learning version of intensive beginning French. Review of basic structures, vocabulary and skills.

Taught in French. Not open to native speakers of this language.

Prereq: 2 or more years of high school French, and placement in 1101 by EM credit only. Not open to students with credit for 1101.01, 1101.21, 1101.51, 1101.61, 1102.01, 1102.21, 1102.51, 1102.61, 1103.01, 1103.21, 1103.51, 1103.61, or 1155.01. This course is available for EM credit. GE for lang course. GE world languages course.

History of Art**HISTART****Autumn 2024 Semester****4001 Writing Seminar in History of Art****U 3**

Training in writing a variety of assignments commonly undertaken by art historians.

Prereq: History of Art major or minor.

Autumn 2024 Semester**4005 An Introduction to Artistic Media and Techniques****U 3**

A survey of the major historical and contemporary artistic media and techniques.

Prereq: History of Art major or minor; or permission of instructor.

Autumn 2024 Semester**8641 Wexner Seminar****G 1 - 4**

Graduate seminar offered in conjunction with Wexner exhibitions, performance series, media series, or symposia; may be taught by visiting artists, performers, or critics.

Repeatable to a maximum of 12 cr hrs or 12 completions.

History**HISTORY**

Summer 2024 Term

2080 African American History to 1877

U 3

The study of the African American experience in America from arrival through the era of Reconstruction, focusing on slavery, resistance movements, and African American culture. Students will analyze the intersection of race, gender, ethnicity, religion, social class, and other categories through the lens of African Americans? lived experiences and how they functioned in Black communities.

Prereq: Not open to students with credit for AfAmASt 2080. GE historical study course. GE foundation historical and cultural studies and race, ethnicity and gender div course. Cross-listed in AfAmASt.

Autumn 2024 Semester

2081 African American History from 1877

U 3

The study of the African American experience in the United States from the era of Reconstruction through the present, with an emphasis on the intersection of race, gender, ethnicity, religion, and social class.

Prereq: Not open to students with AfAmASt 2081. GE historical study course. GE foundation historical and cultural studies and race, ethnicity and gender div course. Cross-listed in AfAmASt.

Autumn 2024 Semester

2270 Love in the Modern World

U 3

History of love in philosophy, literature, and art, focusing on the 19th and 20th centuries.

Prereq: Not open to students with credit for 3278. GE historical study course. GE foundation lit, vis and performing arts course and historical and cultural studies course.

Autumn 2024 Semester

3106 History of Mexico

U 3

This course offers an intersectional study of the history of Mexico, highlighting the importance of gender, sexuality, race, and ethnicity from the precolonial era to the present day. Throughout the semester we will examine patterns of conflict and negotiation, including ways in which everyday people participated in and influenced cultural and political events.

GE historical study and diversity global studies course. GE foundation historical and cultural studies and foundation race, ethnicity and gender div course.

Autumn 2024 Semester

3246 Tudor and Stuart Britain, 1485-1714

U 3

The social, political, and religious history of England and the British Isles in the age of Renaissance, Reformation, and Revolution.

GE historical study course.

Autumn 2024 Semester

3260 The Victorians: Power, Money and Empire

U 3

This course explores the economic, social, and technological history of Britain and its empire in the nineteenth century. Key topics include the rise of free market economics, Victorian welfare policies, the Industrial Revolution, Victorian ideas about sex, race, and gender, the Irish famine, New Imperialism, and Darwinian evolutionary theory.

GE historical study course. GE theme traditions, cultures, and transformations course.

Autumn 2024 Semester

3281 Imperial Russia

U 3

This course examines the history of the Russian empire from the reigns of Peter the Great and Catherine the Great through the fall of the imperial system during the 1917 Revolution, with particular emphasis on the idea of citizenship in the Russian state and empire.

GE historical study and diversity global studies course. GE theme citizenship for div and just wrld course.

Campus: COL LMA
MNS MRN NWK WST

Summer 2024 Term

3704 HIV: From Microbiology to Macrohistory
U 4

Campus: COL LMA
MNS MRN NWK WST

This course is an interdisciplinary exploration of HIV/AIDS, tracing the evolution of the virus at both the molecular level and within its global historical context. This course is team-taught by a virologist and a historian.

Prereq: Not open to students with credit for Micrbio 3704. GE theme origins and evolution course. Cross-listed in Micrbio.

Health and Rehabilitation Sciences

HTHRHSC

Autumn 2024 Semester

3500 Critical Phases in Life
U 3

An examination of humans' development from conception to death and factors critical to continuing health.
Prereq: Psych 1100.

Autumn 2024 Semester

4189 Health Sciences Internship
U 1 - 3

Field experience in a health care system highlighting health management, health & wellness, or other health science. More information about the course can be found at u.osu.edu/hrs4189/
Prereq: Enrollment in the Health Sciences program; and permission of instructor. This course is graded S/U.

Autumn 2024 Semester

4191 CARESTREAM: An Immersive Experience in Healthcare Delivery and Improvement
U 3

This is an experiential learning course that includes two credit hours of coursework and one credit hour of experiential learning at The Ohio State University Wexner Medical Center. Students will receive a combination of coursework and field training to learn about the hospital system, patient interaction, professionalism, and inter-professional care. All students must be in good academic standing. To participate in the experiential learnings, students must comply with all requirements for clinical students as outlined in the Clinical Education Affiliation Agreement between the School of Health & Rehabilitation Sciences and the Ohio State University Wexner Medical Center. This includes providing proof of vaccinations, negative tuberculosis testing, negative drug test, and passing a background check (as part of medical center ID processing).
Repeatable to a maximum of 12 cr hrs.

Autumn 2024 Semester

4300 Contemporary Topics in Health and Society
U 3

Offers the opportunity to delve into the current issues and factors that are influencing and shaping both society and health systems and to engage in a process of scholarly exchange around the incubation of ideas to address these current issues.
Prereq: 3400, 4400, Sr standing, and admission to the Health Sciences program.

Autumn 2024 Semester

4370 Community and Policy Influence in Health Care
U 3

The course covers historical, societal, political, and economic forces influencing the accessibility, cost, quality of personal and public health services. Students are exposed to major U.S. health policy issues concerned with health improvement and protection, and the related financing, organization, and delivery of healthcare.
Prereq: 3400, and admission to the Health Sciences program.

Autumn 2024 Semester

4400 Individual Differences in Patient/Client Populations
U 3

Examination of individual differences in patient/client populations from multiple perspectives of disability, chronic disease, healthcare disparity, culture, and the impact on health and wellness.
Prereq: 3400, and admission to the Health Sciences program or the Health Communication Certificate.

Autumn 2024 Semester

4450 Health Promotion in Practice

U 3

Integration of theory and emergent perspectives and applications in health promotion. Students will demonstrate their understanding and application through development of a grant proposal.

Prereq: 3400, and admission to the Health Sciences program.

Autumn 2024 Semester

4470S Teamwork and Leadership in Health Sciences

U 3

Gain understanding of leadership and team-building through experience in planned health related activities.

Prereq: 3400, and admission to the Health Sciences program, and permission of instructor.

Autumn 2024 Semester

4900 Evidence-Based Practice in Healthcare

U 3

Overview of evidence-based practice as it applies to health care, including formulating relevant clinical questions, finding and evaluating evidence using effective search techniques, and translating research into practice.

Prereq: 3400, and admission to the Health Sciences program or the Health Communication Certificate.

Autumn 2024 Semester

4914 Group Education Process in Healthcare

U 3

Health care process: Principles of group education and health counseling as applied to responsibilities of the health care practitioner.

Prereq: 3400, and admission to the Health Sciences program.

Autumn 2024 Semester

4950 Program Development and Evaluation for Health Sciences

U 3

Exposes the student to practical methods that can be used to develop, and evaluate health services programs in a variety of settings.

Prereq: 3400, and admission to the Health Sciences program.

Law

LAW

Autumn 2024 Semester

6450 Social Justice and the Law

L 1 - 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.

Nursing

NURSING

Summer 2024 Term

7346 Introduction to Health and Wellness Coaching

G 3

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

Prereq: Enrollment in the Health and Wellness Coaching certificate program, and Grad standing; or enrollment in Interprofessional Healthcare Certificate; or permission of instructor.

Summer 2024 Term

7381.02 Advanced Principles of Nurse Anesthesia Practice II

G 4

Nurse anesthesia clinical specialty areas will be discussed, including more complex patients, focusing on developing and implementing safe anesthesia care plans. The course will integrate didactic materials and clinical practice.

Prereq: Enrollment in the DNP program nurse anesthesia track, 7381.01, and 7382.01.

Summer 2024 Term

7455.01 Advanced Physiology & Pathophysiology for Nurse Anesthesia Practice I

G 5

This course introduces the anatomy, physiology, and pathophysiology of body systems with an emphasis on the anesthetic implications of expected and altered physiologic states of these systems. Relationships between the different systems will be analyzed, building a foundation for a complex clinical anesthesia practice.

Prereq: 7450, and enrollment in the DNP program, nurse anesthesia track.

Summer 2024 Term

7455.02 Advanced Physiology for Nurse Anesthesia Practice II

G 4

This course continues the exploration of the anatomy, physiology, and pathophysiology of the various body systems with an emphasis on the anesthetic implications of expected and altered physiologic states of these systems. Relationships between systems will be analyzed, building on knowledge of the prior content in this course series.

Prereq: Enrollment in the DNP program nurse anesthesia track, and a grade of B- or above in Nursing 7455.01.

Occupational Therapy

OCCTHER

Autumn 2024 Semester

7280 Occupational Therapy for Acute & Chronic Conditions in Older Adults

G 1

Students learn advanced practice skills in geriatrics, including treatment and rehab of cognitive impairment, cardiopulmonary conditions, mental health, cancer, endocrine & low vision.

Prereq: Enrollment in the Doctorate in Occupational Therapy Program.

Autumn 2024 Semester

7281 Occupational Therapy for Acute & Chronic Conditions in Older Adults Lab

G 1

Students will demonstrate evaluation and treatment planning with common geriatric diseases, conditions and syndromes through standardized patient simulations and occupational profiles. This lab has in-depth ICU and Acute Care experiences including early mobilization with a standardized patient on a vent, interprofessional simulations, and extensive exposure to lines, tubes, and equipment.

Prereq: Enrollment in the Doctorate in Occupational Therapy Program.

Pharmacy

PHR

Autumn 2024 Semester

8140 Research Methodology

G 2

Apply research and design methodology to resolving health system pharmacy issues.

Prereq: Enrolled in MS in Health-Systems Pharmacy, or permission of instructor.

Components: LEC

Physics

PHYSICS

Autumn 2024 Semester

3700 Experimental Physics Instrumentation and Data Analysis Lab

U 3

Construction, simulation and statistical analysis of data from advanced experiments in nuclear processes. Introduction to advanced instrumentation and computer controlled data acquisition. Computer programming is required.

Prereq: 1251, 1251H, 1261, or 1271; and CSE 1222, 1223, 1224, Engr 1221, Engr 1281H, or Astron 1221. GE data anyl course. GE foundation math and quant reasoning or data anyl course.

Public Health: Environmental Health Sciences

PUBHEHS

Autumn 2024 Semester

5315 Principles of Toxicology

U G 3

Fundamentals of dose-response, exposure, disposition and biotransformation of chemicals in mammalian systems; actions of toxicants in major organ systems.

Undergrad Prereq: Jr or Sr standing; or permission of instructor.

Autumn 2024 Semester

5325 Principles of Occupational Health Science

U G 3

Principles and practice of occupational health, including, among other topics, a history of the discipline and in-depth consideration of occupational hazards and risks, including types, sources, exposures and health impacts.
Undergrad prereq: Jr. or Sr standing; or permission of instructor.

Autumn 2024 Semester

7382 Exposure Science Monitoring Techniques II

G 3

The course will emphasize the principles and practices of human exposure sampling and analysis of contaminants in air, water, and soil, as well as analysis of biological specimens (i.e., saliva, urine, exhaled air, blood) for markers of exposure. The course will focus on field sampling, and laboratory analytical instrumentation and methods.

Prereq: Grad standing; or permission of instructor.

Public Health: Health Services Management & Policy

PUBHHMP

Autumn 2024 Semester

7686 Qualitative Methods for Health Research

G 4

This course introduces students to the methods and uses of qualitative research applicable both to public health and to the full range of health sciences.

Prereq: 7605; or permission of instructor.

Radiation Oncology

RADONC

Summer 2024 Term

8999 Dissertation Research in Radiation Oncology

G 1 - 10

This course provides an opportunity for graduate-level research in the fields of Molecular, Cellular and Developmental Biology in cancer. This course will allow post-candidacy PhD students the opportunity to obtain research skills and knowledge to complete their dissertation by working in a laboratory setting.

Prereq: Permission of instructor. Repeatable to a maximum of 10 cr hrs or 6 completions. This course is progress graded (S/U).

Social Work

SOCWORK

Autumn 2024 Semester

4502 Generalist Practice with Groups

U 3

This course will provide instruction on professional values, knowledge, and skills essential for effective intervention with small groups.

Prereq: 3502.

Autumn 2024 Semester

6501 Generalist Practice with Individuals, Families, and Groups

G 3

Campus: COL

This course will provide instruction on professional values, knowledge, and skills essential for effective social work generalist practice interventions with individuals, families, and groups.

Prereq: Admission to the MSW Program; Concur: 6601. Not open to students in the following subplans: ASP, ASF, ASP/ONL, ASF/ONL.

Spanish

SPANISH

Autumn 2024 Semester

1155 Intensive Spanish for Review

U 4

Intensive beginning Spanish; emphasis on development of proficiency in listening, speaking, reading and writing in cultural contexts. Not open to native speakers of this language through regular course enrollment or EM credit. 3+ years of high school Spanish is required.

Prereq: Spanish Placement Level 9. Not open to students with credit for 1101, 1101.01, 1102, 1102.01, 1103, 1103.01, 1103.51. This course is available for EM credit. GE for lang course. GE world languages course.

Statistics

STAT

Spring 2025 Semester**6910** **Applied Statistics II****G** **4**

Categorical data and inference for proportions, binomial and Poisson regression, analysis of variance, analysis of covariance, experimental designs, the mixed model. Intended primarily for students in the PhD program in Statistics or Biostatistics.

Prereq: 6801, and 6950; or permission of instructor. Not open to students with credit for 6410.

Turkish

TURKISH

Autumn 2024 Semester**3797** **Virtual Education Abroad in Istanbul, Turkey****U** **4**

The course offers a virtual education abroad experience that includes immersive opportunities such as virtual reality visits to important sites in Istanbul, online conversations and collaborations with students in Turkey, and workshops and demonstrations with Turkish scholars and artists in cooking, music and dance, language, and more.

GE theme citizenship for div and just wrld course.

Veterinary Biosciences

VETBIOS

Spring 2025 Semester**8810** **Advanced Systemic Pathology 1: Laboratory Animal Pathology****G** **2**

Lecture course covering the principle diseases of laboratory mice, rats, nonhuman primates rabbits, guinea pigs, hamsters, gerbils, and fish as well as lower vertebrates and animals in zoological collections and wildlife species.

Prereq: DVM or equiv. This course is graded S/U.

Withdraw Course**French**

FRENCH

Autumn 2024 Semester**1801** **Masterpieces of the French-Speaking World****U** **3**

Classic works of literature in translation by French and francophone authors from the 17th century to the present, such as Moliere, Madame de Lafayette, Voltaire, Flaubert, Duras, Cesaire, and Senghor.

GE lit and diversity global studies course. GE foundation lit, vis and performing arts course.



Council on Academic Affairs Approval

New Program	Proposed By	Status	Date Approved
Online Baccalaureate Program	College of Social Work	Approved by CAA	3/20/2024
No additional approvals necessary			

New Program	Proposed By	Status	Date Approved
Micro-Credential in Leadership	Fisher College of Business	Approved by CAA	3/20/2024
No additional approvals necessary			

New Program	Proposed By	Status	Date Approved
Graduate Certificate in Mini-Healthcare Focus with SAMBA	Fisher College of Business	Approved by CAA	3/20/2024
No additional approvals necessary			

New Program	Proposed By	Status	Date Approved
Certificate in Sports Communication	School of Communication	Approved by CAA	3/20/2024
No additional approvals necessary			