



August 2025

Course Number Change

General Education

GENED

Autumn 2025 Semester

2601.01 GE Connection Seminar

Previous Number: 2601

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, 4001, or 2601. This course is graded S/U. GE bookend launch seminar course.

Course Subject Change

Teaching and Learning Critical and Transformative

TLCTE

Autumn 2025 Semester

Previous Subject: EDUTL

5365 Linguistics for Literacy Education

U G 3

This is an introduction to educational linguistics. Through exploration of linguistic concepts and their relevance to teaching, learning, and literacy, students develop new ways of seeing and supporting students' development as skilled language users. Prereq: Not open to students with credit for EduTL 5365.

Autumn 2025 Semester

Previous Subject: EDUTL

7306 Language Socialization

G 3

Introduces the field of language socialization, providing theoretical, conceptual and methodological frameworks for research on linguistic and social development, teaching, and learning in various contexts. Prereq: Not open to students with credit for EduTL 7306.

Spring 2026 Semester

Previous Subject: EDUTL

7344 Bilingualism and Biliteracy

G 3

Explores research on bilingualism, bilingual communities, and bilingual education, as well as methods for studying bilingualism in social context. Issues are viewed from global perspective, especially language policies and language ideologies. Prereq: Not open to students with credit for EduTL 7344.

Autumn 2025 Semester

Previous Subject: EDUTL

8363 Sociolinguistics and Language Education

G 3

Surveys foundational theories, issues, & methodologies in sociolinguistics. We examine how these theoretical insights & empirical approaches have been used to study & illuminate topics of concern to language education. Prereq: Not open to students with credit for EduTL 8363.

Autumn 2025 Semester*Previous Subject: [EDUTL](#)***8610 Second Language Acquisition****G 3**

Provides an overview of theories and research in the field of second language acquisition (SLA). We examine the development of SLA as a field, exploring cognitive, linguistic, sociocultural, and critical research perspectives.

Prereq: Not open to students with credit for EduTL 8610.

Teaching and Learning Education**TLED****Autumn 2025 Semester***Previous Subject: [EDUTL](#)***3193 Individual Studies****U 1 - 3**

Individual study projects.

Prereq: Permission of instructor. Not open to students with credit for EduTL 3193. Repeatable to a maximum of 20 cr hrs or 20 completions. This course is graded S/U.

Autumn 2025 Semester*Previous Subject: [EDUTL](#)***7193 Individual Studies****G 1 - 15**

Individual study projects. For thesis option, not more than 12 cr hrs will apply toward the master's degree. For non-thesis option, not more than 15 cr hrs will apply. Not more than 20 cr hrs will apply toward the doctoral degree.

Prereq: Permission of instructor. Not open to students with credit for EduTL 7193. Repeatable to a maximum of 20 cr hrs or 20 completions. This course is graded S/U.

Autumn 2025 Semester*Previous Subject: [EDUTL](#)***7194 Group Studies****G 1 - 3**

Group studies on special problems in education.

Prereq: Not open to students with credit for EduTL 7194. Repeatable to a maximum of 12 cr hrs or 12 completions.

Autumn 2025 Semester*Previous Subject: [EDUTL](#)***7999 Thesis Research****G 1 - 15**

Research for thesis purposes only.

Prereq: Permission of instructor. Not open to students with credit for EduTL 7999. Repeatable to a maximum of 40 cr hrs or 12 completions. This course is graded S/U.

Autumn 2025 Semester*Previous Subject: [EDUTL](#)***8890 Advanced Seminar****G 1 - 4**

Advanced graduate seminar focusing on educational scholarship.

Prereq: Permission of instructor. Not open to students with credit for EduTL 8890. Repeatable to a maximum of 40 cr hrs or 10 completions.

Autumn 2025 Semester*Previous Subject: [EDUTL](#)***8998 Research Apprenticeship in Teaching and Learning****G 2 - 8**

The process of researching teaching and learning are explored through working with a faculty member on an established research project.

Prereq: Permission of PhD coordinator required. Not open to students with credit for EduTL 8998. Repeatable to a maximum of 30 cr hrs or 15 completions. This course is graded S/U.

Autumn 2025 Semester*Previous Subject: [EDUTL](#)***8999 Research****G 1 - 15**

Research for dissertation purposes only.

Prereq: Permission of instructor. Not open to students with credit for EduTL 8999. Repeatable to a maximum of 40 cr hrs or 12 completions. This course is graded S/U.

New Course

Spring 2026 Semester**5104 Interactive Animation****U G 3**

This course introduces students to advanced techniques for creating interactive animation using real-time 3D rendering software and a suite of 3D applications. Topics include narrative structure, cinematography for interactive media, asset integration, sound design and collaboration practices. Students will conduct hands-on exercises and participate in discussions and project-based learning.

Prereq: 5002 or 6002; or Design 4104; or permission of instructor. Not open to students with credit for Design 5104. Cross-listed in Design.

Biology**BIOLOGY****Spring 2026 Semester****3050 Current Events in Biology****U 1**

An exploration of contemporary issues and breakthroughs in biology from diverse biological fields. Students will analyze scientific literature and various media sources, discuss ethical and societal implications, and develop critical thinking skills by evaluating how biology shapes our world in real time.

Prereq: 1101 or 1110; or 1112 and 1114.xx; or 1113.xx and 1114.xx.

Business Admin: Management & Human Rsrcs**BUSMHR****Spring 2026 Semester****7425 International Strategy****G 1½**

The primary goal of this course is to provide students with an understanding of the basic concepts and practices of international strategy. The course covers general topics of international strategy, including analysis, formulation, and implementation of international strategy. Completion of MBA 6261: Global Environment of Business is recommended, but not required.

Business Admin: Marketing & Logistics**BUSML****Spring 2026 Semester****4260 Pricing Strategy and Analytics****U 3**

This course provides a framework to set the right price and introduces various pricing tactics to obtain a competitive advantage. We will explore the economic, strategic, and behavioral factors that influence pricing decisions, and learn how to assess and apply customer value in pricing through tools such as price elasticity, conjoint analysis, and segmentation.

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

Business Admin: Operations and Business Analytics**BUSOBA****Spring 2026 Semester****7204 Operations of Digital Platforms****G 1½**

Digital platforms have reshaped how supply meets demand. This course explores how platforms operate, scale, and compete, with a focus on operations and insights from marketing, strategy, and entrepreneurship. It combines real-world cases and hands-on analysis to understand the platform economy.

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

Computer Science and Engineering**CSE****Spring 2026 Semester****5251 Introduction to Software Startups****U G 3**

Learn how to build and launch a software venture from scratch. Topics include startup ecosystems, agile development, technical product design, MVP creation, funding, team-building, and AI integration. Students work in teams to develop prototypes, analyze market fit, and pitch ideas to real-world stakeholders.

Prereq: 3901, 3902 or 3903; and 3241, 3521 or 3231; or grad standing; or permission of instructor.

Design

DESIGN

Spring 2026 Semester

5104 Interactive Animation

U G 3

This course introduces students to advanced techniques for creating interactive animation using real-time 3D rendering software and a suite of 3D applications. Topics include narrative structure, cinematography for interactive media, asset integration, sound design, and collaboration practices. Students will conduct hands-on exercises and participate in discussions and project-based learning.

Prereq: 4104; or ACCAD 5002 or 6002 ; or permission of instructor. Not open to students with credit for ACCAD 5104. Cross-listed in ACCAD.

Electrical and Computer Engineering

ECE

Autumn 2025 Semester

4670 Introduction to Automotive Manufacturing

U 3

This course is an introduction to automotive manufacturing as implemented in the certificate program at OSU in the College of Engineering.

Prereq: Engr 1181.xx and 1182.xx, or 1281.xx and 1282.xx, or 1186.xx and 1187 and 1188; and enrollment in the College of Engineering. Not open to students with credit for WeldEng 4610, ISE 4610 or MechEng 4610.

Cross-listed in WeldEng 4610, ISE 4610 and MechEng 4610.

History

HISTORY

Autumn 2025 Semester

3088 Policing America

U 3

In America's age of mass incarceration, understanding how criminal law enforcement has and hasn't changed over time is crucial for reckoning with public safety challenges today. This course tracks the history of American policing from the 17th century to today and unearths crucial developments in the aftermaths of chattel slavery, Jim Crow segregation and late 20th-century Black freedom struggles.

GE theme traditions, cultures, and transformations course.

Industrial and Systems Engineering

ISE

Autumn 2025 Semester

4610 Introduction to Automotive Manufacturing

U 3

This course is an introduction to automotive manufacturing as implemented in the automotive manufacturing certificate program at OSU in the College of Engineering.

Prereq: Engr 1182.01; or 1282.01H; or 1282.02H; or 1282.04H; or 1186.01, 1187 and 1188; and enrollment in the College of Engineering. Not open to students with credit for MechEng 4610, or WeldEng 4610 or ECE 4670.

Cross-listed in MechEng, WeldEng and ECE 4670.

Mechanical Engineering

MECHENG

Autumn 2025 Semester

4610 Introduction to Automotive Manufacturing

U 3

This course is an introduction to automotive manufacturing as implemented in the certificate program at OSU in the College of Engineering.

Prereq: Engr 1182.01; or 1282.01H; or 1282.02H; or 1282.04H; or 1186.01, and 1187 and 1188; and enrollment in the College of Engineering. Not open to students with credit for ECE 4670, ISE 4610, WeldEng 4610. Cross-listed in ISE, WeldEng and ECE 4670.

Microbiology

MICRBIO

Spring 2026 Semester**4800 Advances in Microbial Biotechnology****U 3**

Lecture course covering topics in applied microbial biotechnology, biocatalysis, and chemical biology. The origins of modern biotechnology, impact of microbial chemicals, and significant developments in biotechnology will be discussed.

Prereq: Grade of C- or above in MicrBio 4100; or BioChem 4511 or 5613; or PHR 3200.

Pharmacy**PHR****Spring 2026 Semester****2102 Surviving to Thriving: Your Prescription for Pharmacy School Success****U ½**

Designed for students transitioning from undergraduate studies into the Ohio State University Doctor of Pharmacy (PharmD) program, this course contains content that will help students navigate the curriculum. Topics will include an overview of the module-based curriculum, time management/study skills, financial planning, promotion of mental health, and professional/career development.

Prereq: 3200; and admitted to the Early Assurance Program in the College of Pharmacy; or permission of instructor. This course is graded S/U.

Welding Engineering**WELDENG****Autumn 2025 Semester****4610 Introduction to Automotive Manufacturing****U 3**

This course is an introduction to automotive manufacturing as implemented in the certificate program at OSU in the College of Engineering.

Prereq: Engr 1181.xx and 1182.xx, or ENGR 1281.xx and 1282.xx, or ENGR 1186.xx and 1187 and 1188; and enrollment in the College of Engineering. Not open to students with credit for ECE 4670, ISE 4610, or MechEng 4610. Cross-listed in ISE, MechEng and ECE 4670.

Remove from Limbo**History****HISTORY****Spring 2026 Semester****3020 19th Century American Ideas****U 3**

Urbanism, evangelicalism, slavery, Darwinism, Modernism, Anti-modernism.

Prereq or concur: Any 2000-level History course, and English 1110.xx; or permission of instructor. Not open to students with credit for 579.01. GE historical study course.

Autumn 2025 Semester**3500 U.S. Diplomacy from Independence to 1920****U 3**

Between 1776 and 1920, the United States transformed from a fragile confederacy of bickering states into a globe-spanning empire. This class will consider American foreign relations exploring the contested ideas of ideology and expansion that motivated official policy and international affairs, with a particular emphasis on themes of expansion, immigration, and migration.

GE historical study course. GE theme migration, mobility, and immobility course.

Autumn 2025 Semester**8210 Seminar in Ancient History****G 1 - 6**

Graduate Research Seminar in Greek, Roman, Late Antique, or Byzantine History. Topics will vary.

Prereq: Grad standing. Repeatable to a maximum of 15 cr hrs or 5 completions.

Autumn 2025 Semester**8500 Seminar in International History****G 1 - 6**

Graduate Research Seminar in International and Diplomatic History. Topics will vary.

Prereq: Grad standing. Repeatable to a maximum of 15 cr hrs or 5 completions.

Materials Science and Engineering

MATSCEN

Autumn 2025 Semester

7845 Solid Surfaces and Interfaces

G 2

Elements of surface and interface science. Thermodynamics, structure, microstructure and kinetics of interfacial phenomena in materials.

Prereq: 6730, 6737, and 6747. Not open to students with credit for 845.

Theatre

THEATRE

Autumn 2025 Semester

2000.21 Theatre Production Lab: Publicity

U 1

Provides experience in publicity activities.

Repeatable to a maximum of 6 cr hrs.

Spring 2026 Semester

3813 Acting Studio II: Contemporary Scene

U 3

An intermediate acting studio focusing on scene study and dramatic analysis, utilizing contemporary plays, and studying current playwrights.

Prereq: 2811 (280). Not open to students with credit for 2813 (381).

Update Course

Animal Sciences

ANIMSCI

Spring 2026 Semester

3160 Reproductive Physiology

U 3

Introduction to anatomy and physiology of reproductive systems of various species with a focus on agricultural species.

Prereq: 2200.01 or 2300H; and 3140 or 3140E or AnmITec 3140T.

Anthropology

ANTHROP

Spring 2026 Semester

3360 The Anthropology of Animals

U 3

This course introduces multispecies studies - a field of research and writing that examines nonhuman life forms as objects of analysis and as beings with relevant social, biological, and political lives. We will explore how multispecies scholars engage with nonhumans across multiple dynamic worlds utilizing a range of classic and emerging theoretical frameworks.

GE theme lived environments course.

Aviation

AVIATN

Spring 2026 Semester

4000 Air Transportation Analysis I

U 3

Analysis of domestic and international air transportation systems and models. Particular focus on supply and demand components. Consideration of major industry segments, such as commercial, business, cargo, and general aviation. This is an RATP approved course.

Prereq: 3000.

Spring 2026 Semester

4101 Commercial Flight Lab

U 2

Second course toward Commercial Pilot certificate single engine land. This is an RATP approved course.

Prereq: A grade of B- or above in Aviatn 2501; CPHR of 2.0 or above; FAA pilot medical third class or higher; and permission of instructor.

Spring 2026 Semester

4102 Commercial Pilot ASEL Flight Laboratory

U 2

Aviation 4102 is the third course in a series of three courses that culminate into the attainment of a Commercial Pilot Certificate with a Single Engine Land Class Rating. This is an RATP approved course.

Prereq: Grade of B- or above in 4100; grade of B- or above in 4101; CPHR of 2.0 or above; FAA pilot medical third class or higher; and permission of instructor.

Spring 2026 Semester

4300 Advanced Multi-Engine Operations

U 2

Introduction and consideration of Part 121 and 135 operations with a comprehensive study of the principles of advanced aircraft operations. This is an RATP approved course.

Prereq: Grade of B- or above in 4100; or permission of instructor.

Spring 2026 Semester

4301 Commercial Multi Engine Flight Lab

U 2

Aeronautical knowledge and flight training required to attain an airplane multi engine rating in addition to the Commercial Pilot certificate. This is an RATP approved course.

Prereq: Grade of B- or above in 4102; CPHR of 2.0 or above; FAA pilot medical third class or higher; and permission of instructor.

Spring 2026 Semester

4400 Airport Management

U 3

Comprehensive study of airport operations and management; role of the airport manager in planning, finance, administration, public relations, socio-political and environmental considerations, and operational requirements and maintenance.

Prereq: 3000.

Spring 2026 Semester

4500 Aviation Capstone

U 3

Directed research, preparation, and presentation of relevant and coordinated information that summarizes current or predicted significant aviation topics, issues, and developments. Partnership with industry is encouraged.

Prereq: 3000, 3200 and 3300; Sr standing; and air transportation major.

Spring 2026 Semester

4520 Aviation Capstone: Aviation Engineering

U 3

The Aviation Capstone course is required of undergraduate students who are nearing completion of their studies. The course is designed to assess and build on skills acquired in earlier courses and emphasize situations and challenges that exist in industry. Capstone provides an opportunity to demonstrate and refine many professional competencies and communication skills.

Prereq: 3000, 3200 and 3300; Sr standing; and Aviation major.

Spring 2026 Semester

4800 Professional Practices in Industry

U 2 - 5

Application of academic skills, knowledge, and training to identify issues, problems, or research in the student's aviation industry workplace. Employment and faculty sponsorship, problem identification, analysis, and solution proposals.

Prereq: Permission of instructor. Repeatable to a maximum of 7 cr hrs or 2 completions. This course is graded S/U.

Spring 2026 Semester**4999H Aviation Engineering Research for Honors Thesis****U 1 - 3**

Supervised research and project work arranged individually for honors students resulting in a written Honors thesis.

Prereq: Permission of instructor. Repeatable to a maximum of 6 cr hrs or 4 completions.

Biology**BIOLOGY****Spring 2026 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.xx, 1113E, or 1113H, and 1114.xx, 1114E, or 1114H, and Chem 1220, 1620, or 1920H; or permission of instructor. Not open to students with credit for 3401 or 3501.xx.

Biomedical Engineering**BIOMEDE****Spring 2026 Semester****4902.01 General BME Capstone II****U 3**

Second course in the general BME capstone sequence. Application of design principles; build/design/test of medical device; and presentation of projects that demonstrate solving an open-ended biomedical problem. Documentation and technical skills are developed throughout the course.

Prereq: 4901.01; and GenEd 1201 or 2601.xx; or permission of instructor.

Spring 2026 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; and GenEd 1201 or 2601.xx; or permission of instructor.

Communication**COMM****Spring 2026 Semester****4337 Public Communication Campaigns****U 4**

Application of management techniques to public relations; public relations strategy; campaign development.

Prereq: 2331; and Jr or Sr standing; and enrollment in Comm or Journal major; or permission of instructor.

Dental Hygiene**DENTHYG****Autumn 2025 Semester****4620 Introduction to Dental Hygiene Clinical and Laboratory Instruction****U 3**

Introduction to teaching in the dental hygiene setting. This course is designed to provide the future dental hygiene educator with insight into the fundamental principles of learning and teaching. This course highlights the behaviors, attitudes, and interactions of effective and inspiring teachers.

Prereq: Admission to UDHY major.

Autumn 2025 Semester**4630 Introduction to Dental Hygiene Didactic Education****U 3**

This course is designed to provide the future dental hygiene educator with an appreciation of foundations of teaching and learning, essential teaching skills, importance of communication in teaching, instructional planning, instructional strategies/activities, assessment fundamentals, methods of assessment, teaching in higher education, and personal philosophy of teaching.

Prereq: Admission to UDHY major.

Spring 2026 Semester**2265 Introductory Fiction Writing****U 3***Campus: COL LMA
MNS MRN NWK WST*

An introduction to the fundamentals of technique, craft, and composition; practice in the writing of fiction; and analysis and discussion of student work as well as published stories by masters of the genre.

Prereq: 1110. GE foundation lit, vis and performing arts course.

Spring 2026 Semester**2266 Introductory Poetry Writing****U 3***Campus: COL LMA
MNS MRN NWK WST*

An introduction to the fundamentals of technique, craft, composition, and prosody; practice in the writing of poetry; and analysis and discussion of student work as well as published poems by established poets.

Prereq: GE foundation writing and info literacy course. GE foundation lit, vis and performing arts course.

Spring 2026 Semester**2267 Introduction to Creative Writing****U 3***Campus: COL LMA
MNS MRN NWK WST*

An introduction to the writing of fiction, poetry, and creative nonfiction. Analysis and discussion of student work, with reference to the general methods and scope of all three genres.

Prereq: GE foundation writing and info literacy course. GE foundation lit, vis and performing arts course.

Spring 2026 Semester**2268 Introductory Creative Nonfiction Writing****U 3***Campus: COL LMA
MNS MRN NWK WST*

An introduction to the fundamentals of technique, craft, and composition; practice in the writing of creative nonfiction; and analysis and discussion of student work as well as published essays by masters of the many forms of creative nonfiction.

Prereq: GE foundation writing and info literacy course. GE foundation lit, vis and performing arts course.

Spring 2026 Semester**2277 Introduction to Disability Studies****U 3**

Foundational concepts and issues in disability studies; introduction to the sociopolitical models of disability.

Prereq: English 1110.xx; or GE foundation writing and info literacy course. GE cultures and ideas course. GE theme health and well-being course.

Spring 2026 Semester**2282 Introduction to Queer Studies****U 3**

Introduces and problematizes foundational concepts of the interdisciplinary field of queer studies, highlighting the intersections of sexuality with race, class, and nationality.

Prereq: English 1110.xx; or GE foundation writing and info literacy course. Not open to students with credit for WGSSt 2282. 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 in WGSSt.

Spring 2026 Semester**2291 U.S. Literature: 1865 to Present****U 3**

Introductory study of significant works of U.S. literature from 1865 to the present.

Prereq: English 1110.xx; or GE foundation writing and info literacy course. GE lit course. GE foundation lit, vis and performing arts course.

Spring 2026 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: English 1110.xx; or GE foundation writing and info literacy course. Not open to students with credit for 2367.01H. GE writing and comm: level 2 and diversity soc div in the US course.

Entomology

ENTMLGY

Spring 2026 Semester

7910 The Nature and Practice of Science

G 2

In this course, we will examine what science is, how it should be conducted, and the ethical obligations of scientists. The course will cover the analysis and application of logic underlying scientific reasoning, theory, hypothesis testing, and their integration with experimental design, discovery, and ethics.

Environmental Engineering

ENVENG

Spring 2026 Semester

5410 Hazardous Waste Management and Remediation

U G 3

Civil engineers, primarily environmental engineers, are involved in planning and management of hazardous waste management and site remediation. The objective of this course is to introduce the relevant environmental regulations and engineering principles and present the approaches generally used during the hazardous waste management and site remediation process.

Prereq: 3200 and CivilEn 3130, or Grad standing; or permission of instructor.

General Education

GENED

Autumn 2025 Semester

2601.02 GE Connection Seminar

U 1

The Connection Seminar fulfills the GE Bookends requirement for students in the OPEEP program. Students synthesize prior learning, articulate their academic interests, and develop plans and goals for their academic experience.

Prereq: Must be enrolled in the OPEEP program. Not open to students with credit for 2601 or 2601.01. This course is graded S/U. 1. [GE bookend launch seminar course.](#)

Industrial and Systems Engineering

ISE

Spring 2026 Semester

3200 Linear and Integer Programming

U 3

Introduction to formulation, solution and analysis of continuous and discrete linear models to optimize the design of production and service systems and other engineering applications. *Components: LEC*

Prereq: C- or above in Math 2568 or 2174; and CSE 1224, or 2221, or Engr 1281.01H or 1281.02H; and enrollment in ISE or Engineering Physics major. Additional prereq or concur for students enrolled in ISE major: ISE 2400 and CSE 2112.

Spring 2026 Semester

4120 Quality and Reliability Engineering

U 3

Techniques associated with the Total Quality Management and Lean Six Sigma as well as the foundations of reliability engineering.

Prereq: Stat 3470.01 or 3470.02; and Jr or Sr standing in Engineering, or permission of instructor.

Landscape Architecture

LARCH

Autumn 2025 Semester

5610E History/Theory I

U G 3

This course offers a global survey ranging from prehistoric settlements to the formation of the modern landscape profession in the nineteenth century. It assembles a foundation for thinking through landscape with approaches from architecture, art history, and archaeology, examining cultural and designed landscapes through common technological and cultural frameworks.

Materials Science and Engineering

MATSCEN

Spring 2026 Semester**5952 Failure Analysis of Materials****U G 3**

Failure analysis is the process of seeking the cause and mechanism of failure. Concepts for conducting failure analysis of materials, components, and systems will be introduced. Theoretical background will be reviewed on various failure modes along with case studies. Course will introduce the study of fracture surfaces (fractography) to determine fracture mode and fracture origin when possible.

Prereq: MatScEn-BS student and 2010, 3261, and MechEng 2020 or 2040. Prereq or concur: MatScEn 5763.70 and 5951; or Grad standing in MatScEn or WeldEng; or permission of instructor.

Mechanical Engineering**MECHENG****Spring 2026 Semester****3360 System Integration and Control****U 3**

Modeling of a variety of multi-domain systems, including electromechanical actuators, principles of feedback control, and analysis of control systems.

Prereq: 3260; and enrollment as MechEng-BS student; or department permission. Prereq or concur: 3503, 2900, and ECE 2300.

Spring 2026 Semester**3503 Introduction to Fluid Mechanics****U 3**

A study of the basic concepts, fundamental equations, and applications of fluid mechanics to engineering problems.

Prereq: 2850.xx and 3501; and enrollment as MechEng-BS student; or permission of department.

Spring 2026 Semester**3670 Design and Analysis of Machine Elements I****U 2**

Design of mechanisms. Application of general mechanical engineering principles to the design and analysis of mechanical components.

Prereq: 2020, 2030, 2850 and MatScEn 1010; and enrollment as MechEng-BS student; or permission of department.

Spring 2026 Semester**3671 Design and Analysis of Machine Elements II****U 3**

Continuation of 3670 and 3571.

Prereq: 3670 and 3751; and enrollment as MechEng-BS student; or permission of department.

Spring 2026 Semester**3751 Kinematics and Mechanism Design****U 2**

This course is intended to help students develop an intuitive understanding of the design concepts for machinery and mechanisms. Topics covered are: kinematic joints, mobility analysis, kinematic synthesis of planar linkages, computer-aided design of mechanisms, kinematic analysis, Cam motion program synthesis, and cam profile design.

Prereq: 2020, 2030, 2850.xx and MatScEn 1010; and enrollment as MechEng-BS student; or permission of department.

Spring 2026 Semester**4510 Heat Transfer****U 3**

A study of the fundamentals of conduction, convection, and thermal radiation energy transfer with engineering applications.

Prereq: 3503; and MechEng-BS student; or permission of department.

Pharmacy**PHR**

Spring 2026 Semester

8145 Research Methodology II

G 1

Apply research and design methodology to resolving health system pharmacy issues. The second course in a two-course series.

Concur: 8140; and enrolled in MS in Health-Systems Pharmacy; or permission of instructor.

Spring 2026 Semester

8205 Operational Assessment of the Pharmacy Enterprise II

G 1½

The purpose of this course is to equip students with skills and resources that will enable them to effectively assess and improve the operations of a pharmacy enterprise. Through an approach of simulation, readings and recorded lectures, students will learn and apply the tools necessary to determine efficiency and effectiveness of pharmacy systems.

Concur: 8200; and enrollment in the MS-HSPAL program.

Physics

PHYSICS

Autumn 2025 Semester

2050.01 Polaris Mentoring Program I

U 1

The Polaris Mentorship Class will teach students about issues surrounding the culture of STEM, provide time to meet with a near-peer mentor, and build community and a toolkit of soft skills to succeed in physics and astronomy at OSU.

Prereq: Enrollment in Astronomy & Astrophysics major, Engineering Physics major, Physics major, or University Exploration program; or permission of instructor. Repeatable to a maximum of 3 cr hrs. This course is graded S/U.

Theatre

THEATRE

Autumn 2025 Semester

2000.02 Theatre Production Lab: Sound

U 1

A hands-on laboratory experience in producing theatrical events. Students in this course serve as members of a production team creating the events presented in the theatre's season of plays. This course focuses on sound and audio but no experience is necessary as all students receive individual training.

Repeatable to a maximum of 6 cr hrs or 6 completions.

Autumn 2025 Semester

2000.03 Theatre Production Lab: Video

U 1

A hands-on laboratory experience in producing theatrical events. Students in this course serve as members of a production team creating the events presented in the theatre's season of plays. This course focuses on video but no experience is necessary as all students receive individual training.

Repeatable to a maximum of 6 cr hrs.

Autumn 2025 Semester

2000.04 Technical Production Lab: Scenery Construction and Painting

U 1

A hands-on laboratory experience in producing theatrical events. Students in this course serve as members of a production team creating the events presented in the theatre's season of plays. This course focuses on scene construction and painting but no experience is necessary as all students receive individual training. Repeatable to a maximum of 6 cr hrs.

Autumn 2025 Semester

2000.05 Theatre Production Lab: Costuming

U 1

A hands-on laboratory experience in producing theatrical events. Students in this course serve as members of a production team creating the events presented in the theatre's season of plays. This course focuses on costumes but no experience is necessary as all students receive individual training.

Repeatable to a maximum of 6 cr hrs.

Autumn 2025 Semester

2000.06 Theatre Production Lab: Lighting

U 1

A hands-on laboratory experience in producing theatrical events. Students in this course serve as members of a production team creating the events presented in the theatre's season of plays. This course focuses on lighting but no experience is necessary as all students receive individual training.
Repeatable to a maximum of 6 cr hrs.

Autumn 2025 Semester

2000.09 Theatre Production Lab: General

U 1

A hands-on laboratory experience in producing theatrical events. Students in this course serve as members of a production team creating the events presented in the theatre's season of plays. No experience is necessary as all students receive individual training.
Repeatable to a maximum of 6 cr hrs.

Autumn 2025 Semester

2000.11 Theatre Production Lab: Box Office

U 1

Provides experience in box office activities.
Repeatable to a maximum of 6 cr hrs.

Autumn 2025 Semester

2000.12 Theatre Production Lab: Self Production

U ½ - 1

Provides experience in self-production of theatrical events.
Repeatable to a maximum of 6 cr hrs or 6 completions.

Autumn 2025 Semester

3000 Theatre Production Run Crew

U 1 - 2

Hands-on production experience running a theatrical event. Students serve as members of a production crew running for one of the shows presented in the theatre's season of plays. There are no conventional class meetings. Consists of one orientation meeting and three weeks of evening/weekend productions.
Duties may include working within any design area of the production. No experience necessary.
Repeatable to a maximum of 8 cr hrs or 4 completions.

Autumn 2025 Semester

4000.01 Advanced Production Lab: Stage Management

U 1 - 3

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

Autumn 2025 Semester

4000.02 AdvProLab: Sound

U 1 - 3

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

Autumn 2025 Semester

4000.03 Advanced Production Lab: Video

U 1 - 3

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

Autumn 2025 Semester

4000.04 Advanced Production Lab: Stage Design

U 1 - 3

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

Autumn 2025 Semester**4000.05 Advanced Production Lab: Costuming & Makeup****U 1 - 3**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

Autumn 2025 Semester**4000.06 Advanced Production Lab: Lighting****U 1 - 3**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

Autumn 2025 Semester**4000.07 Advanced Production Lab: Dramaturgy****U 1 - 3**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

Autumn 2025 Semester**4000.08 Advanced Production Lab: Acting****U 1 - 3**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor, by audition. Repeatable to a maximum of 18 cr hrs or 8 completions.

Autumn 2025 Semester**4000.09 Advanced Production Lab: General****U 1 - 3**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

Autumn 2025 Semester**4000.18 Advanced Production Lab: Directing****U 1 - 3**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs or 8 completions.

Autumn 2025 Semester**7000.03 Theatre Production Experience: Video****G 1 - 5**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 32 cr hrs or 8 completions.

Autumn 2025 Semester**7000.04 Theatre Production Experience: Scenery****G 1 - 5**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 32 cr hrs or 8 completions.

Autumn 2025 Semester**7000.05 Theatre Production Experience: Costuming & Makeup****G 1 - 5**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 32 cr hrs or 8 completions.

Autumn 2025 Semester**7000.06 Theatre Production Experience: Lighting****G 1 - 5**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 32 cr hrs or 8 completions.

Autumn 2025 Semester**7000.07 Theatre Production Experience: Dramaturgy****G 1 - 5**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 32 cr hrs or 8 completions.

Autumn 2025 Semester**7000.08 Pro Exp: Acting****G 1 - 5**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor by audition. Repeatable to a maximum of 32 cr hrs or 8 completions.

Autumn 2025 Semester**7000.09 Theatre Production Experience: General****G 1 - 5**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 32 cr hrs or 8 completions.

Autumn 2025 Semester**7000.18 Theatre Production Experience: Directing****G 1 - 5**

Individual theatrical performance and production activities at an advanced level under faculty supervision.
Prereq: Permission of instructor. Repeatable to a maximum of 32 cr hrs or 8 completions.

Veterinary Preventive Medicine**VETPREV****Autumn 2025 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.

Withdraw Course

Diversity and Identity Studies**DISCO****Autumn 2025 Semester****5700 Diversity and Identity Studies Workshop****U G 1 - 3**

Students study topics about diversity (race, class, gender, disability, sexuality, etc) in a seminar-like setting, often focused on the work of visiting scholars.

Prereq: Jr or Sr standing, Grad standing, or permission of instructor. Repeatable to a maximum of 9 cr hrs or 3 completions. This course is graded S/U.