



April 2025

Course Number Change

Design

DESIGN

Spring 2026 Semester

6102 Exploration in Graduate Design Studies

Previous Number: 6300

G 3

Exploration and discovery in future-oriented domains of design practice and research. Students will practice the tools for exploration including reading, writing, making, planning, and reflection in order to establish their own research path.

Prereq: Design grad students only; or permission of instructor. Not open to students with credit for 6300.
Repeatable to a maximum of 6 cr hrs.

German

GERMAN

Autumn 2025 Semester

3354.01 From Viking Saga to Climate Fiction: Nature in Nordic and Germanic Literatures

Previous Number: 3354

U 3

This course explores how sustainable human-nature relationships are conceived, represented, and reflected in the literatures and cultures of Scandinavian, Nordic, and German-speaking countries, from the medieval period to the present?e.g., in Icelandic saga; Robinsonade; modern fairy tale; philosophical essay; nuclear disaster fiction; climate fiction; film; and environmental activism.

Prereq: Not open to students with credit for German 2310, 3354.02, Scandvn 2310, 3354, 3354.01, or 3354.02. GE theme sustainability course. Cross-listed in Scandvn.

Scandinavian

SCANDVN

Autumn 2025 Semester

3354.01 From Viking Saga to Climate Fiction: Nature in Nordic and Germanic Literatures

Previous Number: 3354

U 3

This course explores how sustainable human-nature relationships are conceived, represented, and reflected in the literatures and cultures of Scandinavian, Nordic, and German-speaking countries, from the medieval period to the present?e.g., in Icelandic saga; Robinsonade; modern fairy tale; philosophical essay; nuclear disaster fiction; climate fiction; film; and environmental activism.

Prereq: Not open to students with credit for Scandvn 2310, 3354.02, German 2310, 3354, 3354.01, 3354.02. GE theme sustainability course. Cross-listed in German.

New Course

Art

ART

Autumn 2025 Semester

3011 Art and Science: Learning with Plants

U 4

Through knowing, learning, and sharing, we will investigate plants and their relationships with humans. Scientific methods such as microscopy, experiment design, data recording, and analysis will be used alongside artistic methods of observation, speculation, rendering visible, and creative synthesis. Discoveries will be documented as scientific reports and artwork will be created.

Prereq: 2100 or above (except Art 3008 and 3204); and Biology 1101, 1102, 1110, 1113, 1114, or MolGen 1103; or permission of instructor. Not open to students with credit for MolGen 3011. GE theme lived environments course, High-Impact Practice Interdisciplinary and Integrated Collaborative Teaching.

Autumn 2025 Semester**1100.01 The American Civic Tradition: Creeds, Conflicts, Cooperation**

U 3 - 4

Introduces students to the development of the American civic tradition, focusing on how Americans have debated Abraham Lincoln's claim that the Declaration of Independence serves as an "electric cord" uniting citizens of different generations, descent, and circumstances. To what extent does the Declaration provide a strong foundation for American political community?

Autumn 2025 Semester**1100.02 The American Civic Tradition: Then and Now**

U 3

Introduces students to the development of the American civic tradition, focusing on Alexis de Tocqueville's classic study "Democracy in America," in conversation with humanists, social scientists, and public policy practitioners who have engaged key concepts from Tocqueville's work at different stages of American history.

Autumn 2025 Semester**1100.03 The American Civic Tradition: Foundational Debates**

U 3 - 4

Introduces students to the development of the American civic tradition, focusing the Federalist Papers and other primary texts from the founding period which set the parameters for subsequent arguments within and about American civic life, especially in the domains of constitutional law, religion and politics, and political economy.

Engineering Technology

ENGTECH

Spring 2026 Semester**2605T Transmission and Components**

U 1½

A study of the mechanics and precision of transmissions, and steering components on off-road equipment. Credit available by exam.

Spring 2026 Semester**2607T Power Application and Performance**

U 1½

Explore diesel and gasoline engine dynamics and electric power systems to optimize performance in power and hydraulic applications.

Prereq: 2605T; and 2611T; and AgSysMt 2150. Credit available by exam.

Environment and Natural Resources

ENR

Spring 2026 Semester**2600 Career Development and Success**

U 1

Professional development course for SENR majors. The purpose of the course is to help students explore career options and next steps, develop career-specific skills such as interviewing, networking, and resume development, and to connect students with professionals in the field.

Prereq: Enrollment in SENR major; or permission of instructor.

German

GERMAN

Autumn 2025 Semester**3354.02 From Viking Saga to Climate Fiction: Nature in Nordic and Germanic Literatures**

U 4

This 4+ credit GE course explores how sustainable human-nature relationships are conceived, represented, and reflected in the literatures and cultures of Scandinavian, Nordic, and German-speaking countries, from the medieval period to the present. e.g., in Icelandic saga; Robinsonade; modern fairy tale; philosophical essay; nuclear disaster fiction; climate fiction; film; & environmental activism.

Prereq: Not open to students with credit for German 2310, 3354, 3354.01, Scandvn 2310, 3354, 3354.01, or 3354.02. GE theme sustainability course, High-Impact Practice Research and Creative Inquiry. Cross-listed in Scandvn.

Autumn 2025 Semester**4030 An Introduction to the American Legal System****U 3**

An introduction to American Law and the legal system. It is for undergrad students interested in Law and Public Policy minor. The course introduces basic legal concepts, principles, and procedures.

Autumn 2025 Semester**4035 Understanding Jurisprudence: An Introduction to Legal Theory****U 3**

Jurisprudence is the study of legal philosophies, theories and perspectives and centers on an understanding of the science or knowledge of law.

Prereq: This course is not available to JD, MSL, LLM or other graduate level students.

Mechanical Engineering**MECHENG****Autumn 2025 Semester****7250.02 Vibration of Discrete Systems****G 3**

Concepts of undamped and damped vibrations of single and multi degree of freedom discrete systems.

Principles of modal analysis, analytical dynamics and approximate methods.

Prereq: Enrollment in the PMAPAE-MAA program. Not open to students with credit for 7250.01.

Autumn 2025 Semester**7255.02 Turbomachinery Dynamics****G 3**

This course focuses on modeling the dynamics of rotating cyclic structures found in turbomachinery. The methods discussed in this class include traditional analysis methods such as cyclic analysis and small mistuning, and recent developments in modeling large mistuning, multi-stage systems, and friction damping.

Prereq: Enrollment in the PMAPAE-MAA program. Not open to students with credit for 7255.01.

Molecular Genetics**MOLGEN****Autumn 2025 Semester****3011 Art and Science: Learning with Plants****U 4**

Through knowing, learning, and sharing, we will investigate plants and their relationships with humans. Scientific methods such as microscopy, experiment design, data recording, and analysis will be used alongside artistic methods of observation, speculation, rendering visible, and creative synthesis. Discoveries will be documented as scientific reports and artwork will be created.

Prereq: Art 2100 or above (except Art 3008 and 3204); and Biology 1101, 1102, 1110, 1113, 1114, or MolGen 1103; or permission of instructor. Not open to students with credit for Art 3011. GE theme lived environments course, High-Impact Practice Interdisciplinary and Integrated Collaborative Teaching. Cross-listed in Art.

Public Health: Environmental Health Sciences**PUBHEHS****Autumn 2025 Semester****5350 Geospatial Artificial Intelligence in Public Health****U G 3**

This course introduces students to the intersection of geospatial analysis, artificial intelligence, and public health.

Prereq: Geog 5210; or permission of instructor. CSE 1224 is recommended for undergrad students, and CSE 6520 is recommended for grad students.

Scandinavian**SCANDVN**

Autumn 2025 Semester

3354.02 From Viking Saga to Climate Fiction: Nature in Nordic and Germanic Literatures

U 4

This 4+ credit GE course explores how sustainable human-nature relationships are conceived, represented, and reflected in the literatures and cultures of Scandinavian, Nordic, and German-speaking countries, from the medieval period to the present, e.g., in Icelandic saga; Robinsonade; modern fairy tale; philosophical essay; nuclear disaster fiction; climate fiction; film; & environmental activism.

Prereq: Not open to students with credit for German 2310, 3354, 3354.01, 3354.02, Scandvn 2310, 3354, or 3354.01. GE theme sustainability course, High-Impact Practice Research and Creative Inquiry. Cross-listed in German.

Remove from Limbo

Political Science

POLITSC

Autumn 2025 Semester

4231 China: State and Society

U 3

The 21st-century rise of China and its effects on Chinese politics and society.

Prereq: Not open to students with credit for 536.

Update Course

Agricultural Systems Management

AGSYSMT

Spring 2026 Semester

5560 UAS and Remote Sensing in Agriculture

U G 3

Introduction to the fundamentals of remote sensing within the framework of Geographic Information System, and Unmanned Aerial Systems (UAS), and their applications in production agriculture. Topics include remote sensing technologies, FAA regulations and rulemaking, UAS types, mission planning, image collection, processing and interpretation, and their applications in agriculture.

Prereq: HCS 2260, AnimSci 2260, ENR 2000, ADEEcon 2005, ComLdr 3537 or Stat 1450, or equiv; or Sr or Grad standing; or permission of instructor. Not open to students with credit for 3580.

Animal Sciences

ANIMSCI

Spring 2026 Semester

3797.01 Equine Studies in Europe

U 3

The study abroad experience will allow the students to be surrounded with a different culture, geography, community/government infrastructure, and history to directly compare how those aspects shape and impact the equine industry in that society.

Prereq: Admission to the Equine Studies in Europe education abroad program; and permission of the instructor.

Concur: 2400.01. Repeatable to a maximum of 6 cr hrs.

Art Education

ARTEDUC

Autumn 2025 Semester

2600 Visual Culture: Representation and Society

U 3

A study of social and cultural issues through the exploration of visual culture. By developing practical methods of interpreting and researching visual artistic production and reception, this course provides critical tools for engaging with how diverse forms of visual culture both challenge stereotypes and biases and also celebrate the racial, ethnic and gender diversity of US democratic society.

Prereq: EduTL 1902, or 1902.04, or IELP WRITE score of 80, or English Placement Level 4, or English 1110.xx or equivalent. Not open to students with credit for 2367.01, 2367.01H, or 2600H. GE writing and comm course: level 2 and VPA and diversity soc div in the US course. GE foundation writing and info literacy and lit, vis and performing arts and race, ethnicity and gender div course.

Autumn 2025 Semester

2600H Visual Culture: Representation and Society

U 3

A study of social and cultural issues through the exploration of visual culture. By developing practical methods of interpreting and researching visual artistic production and reception, this course provides critical tools for engaging with how diverse forms of visual culture both challenge stereotypes and biases and also celebrate the racial, ethnic and gender diversity of US democratic society.

Prereq: Honors standing, and EduTL 1902, or 1902.04, or IELP WRITE score of 80, or English Placement Level 4, or English 1110.xx or equivalent. Not open to students with credit for 2367.01, 2367.01H, or 2600. GE writing and comm course: level 2 and VPA and diversity soc div in the US course. GE foundation writing and info literacy and lit, vis and performing arts and race, ethnicity and gender div course.

Aviation

AVIATN

Autumn 2025 Semester

2401 **UAS Ground and Flight Operations**

U 3

In this course we will go beyond the FAA requirements to be able to fly commercially and start learning about mission planning and flight operations. This course will cover two additional certifications with Unmanned Safety Institute, Visual Line of Sight (VSO) Ground and Flight, and will culminate in both simulated and hands-on flight on a number of different platforms.

Prereq: 2400; and Part 107 certificate; and permission of instructor.

Autumn 2025 Semester

2850 **Applied Aircraft Performance I**

U 3

First of an applied course sequence covering the fundamental principles of aerodynamics, aircraft performance, and stability. Course includes incompressible aerodynamics, jet, and propeller aircraft performance. This is an RATP approved course.

Prereq: 2100 or 2150, and Physics 1250 or 1260. Not open to students with credit for AeroEng 2200.

Autumn 2025 Semester

3193 **Individual Studies in Aviation**

U 2 - 5

Research, project(s), and/or investigation into aviation topics that are not treated in existing classes.

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

Business Admin

BUSADM

Autumn 2025 Semester

3533 **Technology Entrepreneurship**

U 3

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

Prereq: BusMhr 3510; or permission of instructor.

Business Admin: Finance

BUSFIN

Autumn 2025 Semester

7225 **Student Stock Market Investment Management**

G 3

Advanced topics with industry analysis and stock valuation applied to portfolio management.

Prereq: MBA 6223, BusFin 7220; or enrollment in SMB-Finance program.

Dentistry

DENT

Summer 2025 Term

6930 **Laser Dentistry**

D 1

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

Components: LEC

This course is graded S/U.

Autumn 2025 Semester

4531 Restoration and 18th-Century Literature
U **3**

Focused investigation of a central issue in the literature of Restoration and eighteenth-century Britain, such as realism and its discontents, the relations between persons and objects, or the emergence of celebrity.
 Prereq: 6 credit hours of English at the 2000-3000 level; or permission of instructor.

Engineering Technology

ENGTECH

Spring 2026 Semester

2440T Site Development and Surveying
U **4**

Principles of hydrology and soil mechanics as they relate to erosion control, irrigation, drainage, and wetland systems with an additional emphasis on surveying and mapping equipment and techniques for staking out and grading activities associated with site selection and construction installation.
 Prereq or concur: GenMath 1141T, 1145T or Math 1148 or above.

Environment and Natural Resources

ENR

Spring 2026 Semester

5273 Environmental Fate and Impact of Contaminants in Soil and Water
U G **3**

An overview of contaminant sources, transport through soil and water, and environmental fate and impact to human and ecosystem receptors.
 Prereq: Chem 1110 or 1210; or Grad standing.

History

HISTORY

Autumn 2025 Semester

3210 Archaic Greece
U **3**

Survey of Greek history from Neolithic Age (7000-3000 BC) to end of the Archaic Era (700-480 BC).
 GE historical study course. GE foundation historical and cultural studies course.

Autumn 2025 Semester

7230 Studies in Medieval History
G **3**

Advanced reading course in sources and monographs on the principal issues and problems in medieval history, with a stress on bibliography.
 Prereq: Grad standing. Repeatable to a maximum of 15 cr hrs.

Autumn 2025 Semester

7905 Graduate Pedagogy
G **3**

Basic ideas and techniques for effective teaching of college history; emphasis on classroom application and teaching in the 21st century.
 Prereq: Grad standing. This course is graded S/U.

Autumn 2025 Semester

7906 Professionalization and the Discipline of History
G **3**

This course introduces the professional field of academic history and its culture. This course will provide resources, guidance, and a supportive setting for graduate students to learn about funding opportunities, to write effective grant applications, and to conceptualize historical work for different audiences (peers, funders, and the public).
 Prereq: Grad standing. This course is graded S/U.

Industrial and Systems Engineering

ISE

Autumn 2025 Semester**2400 Design of Work: Methods and Measurement****U 2**

Introduces students to tools and techniques used in work methods design and productivity improvement, including operation analysis, motion study, value engineering, predetermined time systems, time study, line balancing.

Prereq: Soph standing; and enrollment in Industrial and Systems Engineering major or Engineering Physics major. Additional prereq for students enrolled in ISE major: a grade of C- or above in Stat 3470.01 or 3470.02.

Italian**ITALIAN****Summer 2025 Term****2102 Contemporary Italian Society****U 3**

Exploration of a variety of aspects of contemporary Italian society and culture while developing language skills. Special focus on reading skills. Not open to native speakers of Italian.

Prereq: A grade of C- or above in 1103.01, 1103.02, 1103.03, 4 cr hrs of 1103.61, or 1103.71, 1104.30, or 5101; or Ohio Seal of Biliteracy in Italian; or permission of instructor.

Landscape Architecture**LARCH****Autumn 2025 Semester****5610 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 19th 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.

Mathematics**MATH****Autumn 2025 Semester****7821.01 Geometric Group Theory****G 3**

Cayley graphs, Quasi-isometries, Fundamental Lemma of GGT, Bass-Serre theory, Free groups, amalgams, surface groups, Universal covers, Hyperbolic space, Nonpositive curvature and CAT(0) geometry, Hyperbolic groups, Simple complexes of groups, Coxeter groups, Artin groups, Graph products of groups, Actions on CAT(0) cube complexes, Examples of group actions on contractible polyhedra.

Prereq: 6801. Not open to students with credit for 7821.02.

Mechanical Engineering**MECHENG****Summer 2025 Term****4998 Undergraduate Research in Mechanical Engineering****U 1 - 3**

Opportunity for undergraduate students to conduct research in Mechanical Engineering.

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

Summer 2025 Term**4998H Undergraduate Research in Mechanical Engineering****U 1 - 3**

Opportunity for undergraduate Honors program students to conduct research in Mechanical Engineering.

Prereq: Honors standing, and enrollment in MechEng major, and permission of instructor. Repeatable to a maximum of 6 cr hrs or 6 completions. This course is graded S/U.

Nursing**NURSING**

Summer 2025 Term**2470 Introductory Pharmacology for Nurses****U 3**Introduction to pharmacokinetic principles, drug mechanism of action and nursing implications for common classes of medications.Components: LEC**Spring 2026 Semester****3890.02H Junior Honors Seminar II****U 2**

Discussion of topics relevant to research and the senior thesis proposal.

Prereq: Honors standing, and 3890.01H; or permission of instructor.

Physics**PHYSICS****Autumn 2025 Semester****1251 E&M, Waves, Optics, Modern Physics****U 5**

Calculus-based introduction to electricity and magnetism, waves, simple optics, and quantum mechanics; for students in physical sciences, mathematics, engineering.

Prereq: 1248 and 1249, or 1250, 1250H, 1260, or 1270; and Math 1141, 1151, 1154, or above; and Concur: Math 1152, 1155, 1161, 1172, 1181H, or 4181H; or permission of instructor. This course is available for EM credit. GE nat sci phys course.

Public Affairs, John Glenn College**PUBAFRS****Autumn 2025 Semester****6020 Foundations of Data-Driven Sustainable Energy Systems****G 3**

Introduction to issues impacting sustainable energy systems across technology, law and policy, business models, resilience, data, geospatial, and decision sciences.

Prereq: Not open to students with credit for ADEEcon 6500, EnvEng 6020, FABEng 6020, Geog 6020, or ISE 6020. Cross-listed in ADEEcon 6500, EnvEng 6020, FABEng 6020, Geog 6020, and ISE 6020.

Public Health: Health Behavior & Health Promotion**PUBHHBP****Autumn 2025 Semester****6520 Advancing Community Health Through Engagement and Action****G 3**

This course will examine advocacy's place in the historical and contemporary practice and promotion of public health, including a turn toward a focus on advocacy to address the social and structural determinants of health.

Prereq: Enrollment in Master of Public Health: Health Behavior and Health Promotion program, or permission of instructor.

Summer 2025 Term**8899.01 First Year Doctoral Seminar in HBHP****G 1**

Seminar concerning academic and professional development topics for Ph.D. students, with a focus on selecting research topics, reviewing research, course development, and other topics.

Prereq: Enrollment in a PhD program in the College of Public Health. Repeatable to a maximum of 2 cr hrs. This course is graded S/U.

Respiratory Therapy**RESPTHR****Spring 2026 Semester****8389 Advanced Clinical Practice III****G 5**Supervised clinical education and intermediate experiences in areas of advanced professional practice.Students will continue to develop competence with patients of various diagnoses for examination, interventions, diagnosis, development of comprehensive plan of care, goal setting, documentation, consultation, delegation, and communication.

Prereq: Enrollment in Master of Respiratory Therapy (MRT) program. This course is graded S/U.

Autumn 2025 Semester

3401H Research & Statistics for Understanding Social Work Problems and Diverse Populations: Honors

U 3

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

Prereq: Honors standing. Prereq or concur: Math 1060, or 1075 or above, or Stat 1350.01, Stat 1350.02, or Stat 1450.01 or above, or Math Placement Level R or above; and admission to the Social Work major.

Spanish**SPANISH****Summer 2025 Term**

3403 Intermediate Spanish Composition

U 3

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

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



Council on Academic Affairs Approval

New Program	Proposed By	Status	Date Approved	
Accounting Undergraduate Minor	Department of Accounting and Management Information Systems	Approved by CAA	4/2/2025	No additional approval necessary

New Program	Proposed By	Status	Date Approved	
Couple and Family Therapy Undergraduate Minor	Department of Human Sciences	Approved by CAA	4/2/2025	No additional approval necessary

New Program	Proposed By	Status	Date Approved	
Microbiome Sciences Specialization	Environmental Sciences Graduate Program	Approved by CAA	4/2/2025	No additional approval necessary

New Program	Proposed By	Status	Date Approved	
Law and Public Policy Undergraduate Minor	John Glenn College of Public Affairs and the Moritz College of Law	Approved by CAA	4/2/2025	No additional approval necessary