

ENVIRONMENTAL DESIGN (ENVD)

Courses

ENVD 1001 (1) ENVD First-Year Seminar

Transitions first-year ENVD students into college through the process of discovering their path to educational success. Provides opportunities to facilitate learning through peer support groups and curricular integration with the ENVD core classes.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Social Factors

ENVD 1002 (2) Technology 1: Applications for Environmental Design

Introduces technological competencies to support studio work including design representation and presentation. Students develop fundamental competencies in sketching, graphic design, file management and 3D modeling. Course is part of a co-requisite sequence: ENVD 1002, Technology 1: Applications for Environmental Design is a 16-week class that is taught alongside the following two 8-week studios. ENVD 1010, Studio 1: Introduction to Environmental Products of Design, taken the first half of the semester, followed by ENVD 1020, Studio 1: Introduction to Architecture, taken in the second half of the semester.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN), open option (ENVD), and to IUT On Track students.

Grading Basis: Letter Grade

ENVD 1004 (3) Introduction to Environmental Design

Introduces methods, principles and philosophies that guide environmental design. Explores ways of thinking about, and accomplishing, the act of design. Students contemplate the processes and motivations behind design decisions including discussions of environmental sustainability and social responsibility.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: History and Theory

ENVD 1010 (3) Studio 1: Introduction to Environmental Products of Design

Introduces students to concepts and techniques related to the design of products at a human scale. In an immersive project-based studio environment students develop the foundation of design communication and thinking through a series of hands-on projects with physical outcomes. Course is part of a co-requisite sequence: ENVD 1010, Studio 1: Introduction to Environmental Products of Design is taken the first 8-weeks of the semester, followed by ENVD 1020, Studio 1: Introduction to Architecture, taken in the second 8-weeks of the semester, along with ENVD 1002, Technology 1: Applications for Environmental Design, a 16-week class that is taught alongside the two 8-week studios.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN), open option (ENVD), and to IUT On Track students.

Grading Basis: Letter Grade

Additional Information: Departmental Category: History and Theory

ENVD 1012 (2) Technology 2: Visual Communications

Explores the basic visual communication skills necessary for environmental design through image manipulation, vector and raster graphics, and composite renderings. Students will explore concepts in visual hierarchy, composition, and color theory to inform graphics within each environmental design major. Course is part of a co-requisite sequence: ENVD 1012, Technology 2: Visual Communications is a 16-week class that is taught alongside the following two 8-week studios. ENVD 1030, Studio 1: Introduction to Landscape Architecture, taken the first half of the semester, followed by ENVD 1040, Studio 1: Introduction to Sustainable Planning and Urban Design, taken in the second half of the semester.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN), open option (ENVD), and to IUT On Track students.

Grading Basis: Letter Grade

Additional Information: Departmental Category: Methods and Techniques

ENVD 1020 (3) Studio 1: Introduction to Architecture

Introduces students to strategies and techniques of architectural design and communication in a hands-on studio environment. Students explore architectural form-making and design opportunities through an iterative design process culminating with a small-scale architectural project that responds to environmental, contextual and programmatic needs. Course is part of a co-requisite sequence: ENVD 1020, Studio 1: Introduction to Architecture, an 8-week class which is taken in the second half of the first semester. ENVD 1010, Studio 1: Introduction to Environmental Products of Design, taken during the first 8-weeks of the semester, and ENVD 1002, Technology 1: Applications for Environmental Design is a 16-week class that is taught alongside the two 8-week studios.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN), open option (ENVD), and to IUT On Track students.

Grading Basis: Letter Grade

ENVD 1022 (2) Technology 3: Intermediate Applications for Environmental Design

Explores more advanced competencies in graphic design, diagramming, 3D modeling, and digital fabrication.

Requisites: Requires prerequisite course of ENVD 1012 (minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

ENVD 1024 (3) History of the Built Environment

Fosters an appreciation for the designed environment by exploring historical contexts that have shaped our built environment. Students gain insight into how design themes have emerged in response to significant historical movements. Covering a diverse range of topics, this course examines everything from small objects to iconic buildings, significant landscapes, gardens, and urban spaces. Through this exploration, students develop an understanding of how the built environment influences and reflects societal values throughout history.

Requisites: Requires prerequisite course of ENVD 1004 (minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN), open option (ENVD), and to IUT On Track students.

Grading Basis: Letter Grade

ENVD 1030 (3) Studio 1: Introduction to Landscape Architecture

Exposes students to concepts and strategies inherent to the practice of landscape architecture. Students design for biodiversity, climate resilience and human and beyond human physical and mental health within an urban context. Course is part of a co-requisite sequence: ENVD 1030, Studio 1: Introduction to Landscape Architecture, taken the first 8-weeks of the semester, followed by ENVD 1040, Studio 1: Introduction to Sustainable Planning and Urban Design, taken in the second 8-weeks of the semester, along with ENVD 1012, Technology 2: Visual Communications, a 16-week class that is taught alongside the two 8-week studios.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN), open option (ENVD), and to IUT On Track students.

Grading Basis: Letter Grade

ENVD 1040 (3) Studio 1: Introduction to Sustainable Planning and Urban Design

Explores concepts and strategies related to urban planning and design. Students collaboratively develop a design solution to a small-scale problem within an urban fabric using basic skills of analysis and design iteration. Course is part of a co-requisite sequence: ENVD 1040, Studio 1: Introduction to Sustainable Planning and Urban Design, an 8-week class which is taken in the second half of the first semester. ENVD 1030, Studio 1: Introduction to Landscape Architecture, taken during the first 8-weeks of the semester, and ENVD 1012, Technology 2: Visual Communications, a 16-week class that is taught alongside the two 8-week studios.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN), open option (ENVD), and to IUT On Track students.

Grading Basis: Letter Grade

ENVD 1110 (3) Studio 2: Fundamentals of Environmental Design 1

Explores the core principles shared across environmental design disciplines, including Architecture, Landscape Architecture, Environmental Product Design, and Sustainable Planning and Urban Design. Through a multidisciplinary studio approach, students engage in spatial problem-solving, sustainable design strategies, peer-to-peer collaboration, and design thinking. Hands-on projects challenge students to apply foundational tools and methods to real-world challenges, considering social, environmental, and cultural impacts in both built and natural environments. Course is part of a co-requisite sequence: ENVD 1110, Studio 2: Fundamentals of Environmental Design 1, taken the first 8-weeks of the semester, followed by ENVD 1120, Studio 2: Fundamentals of Design 2, taken in the second 8-weeks of the semester, along with ENVD 1022, Technology 3: Intermediate Applications for Environmental Design, a 16-week class that is taught alongside the two 8-week studios.

Requisites: Requires prerequisite courses of ENVD 1040 (minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

ENVD 1120 (3) Studio 2: Fundamentals of Design 2

Explores the core principles shared across environmental design disciplines, including Architecture, Landscape Architecture, Environmental Product Design, and Sustainable Planning and Urban Design. Through a multidisciplinary studio approach, students engage in spatial problem-solving, sustainable design strategies, peer-to-peer collaboration, and design thinking. Hands-on projects challenge students to apply foundational tools and methods to real-world challenges, considering social, environmental, and cultural impacts in both built and natural environments. Course is part of a co-requisite sequence: ENVD 1120, Studio 2: Fundamentals of Design 2, an 8-week class which is taken in the second half of the first semester. ENVD 1110, Studio 2: Fundamentals of Environmental Design 1, taken during the first 8-weeks of the semester, and ENVD 1022, Technology 3: Intermediate Applications for Environmental Design, a 16-week class that is taught alongside the two 8-week studios.

Requisites: Requires prerequisite courses of ENVD 1040 (minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

ENVD 1130 (3) Studio 2: Fundamentals of Design 3

Explores the core principles shared across environmental design disciplines, including Architecture, Landscape Architecture, Environmental Product Design, and Sustainable Planning and Urban Design. Through a multidisciplinary studio approach, students engage in spatial problem-solving, sustainable design strategies, peer-to-peer collaboration, and design thinking. Hands-on projects challenge students to apply foundational tools and methods to real-world challenges, considering social, environmental, and cultural impacts in both built and natural environments.

Requisites: Requires prerequisite courses of ENVD 1040 (minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

ENVD 1140 (3) Studio 2: Fundamentals of Environmental Design 4

Explores the core principles shared across environmental design disciplines, including Architecture, Landscape Architecture, Environmental Product Design, and Sustainable Planning and Urban Design. Through a multidisciplinary studio approach, students engage in spatial problem-solving, sustainable design strategies, peer-to-peer collaboration, and design thinking. Hands-on projects challenge students to apply foundational tools and methods to real-world challenges, considering social, environmental, and cultural impacts in both built and natural environments.

Requisites: Requires prerequisite course of ENVD 1040 (all minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

ENVD 1150 (3) First Year Writing for Environmental Design

Introduces students to the fundamentals of effective academic and professional communication within Environmental Design. Students develop strong written and oral communication skills and build knowledge of research techniques. Classroom activities and discussions challenge students to become critical and flexible thinkers.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

ENVD 1976 (1) Colloquium - Exploring Careers, Research and Practice

Develops an understanding of the breath of environmental design careers, research and practice, through a series of faculty and professional lectures.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

ENVD 2001 (3) Human Behavior and Design

Examines reciprocal relationships between people and the built and natural environments and the ways that human well-being is impacted by the built environment. Traces major issues and approaches in design research to understand how people are influenced by the environment and how they can create healthy, just, and livable places.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN), open option (ENVD), and to IUT On Track students.

Grading Basis: Letter Grade

Additional Information: Departmental Category: Social Factors

ENVD 2003 (3) Ecological Systems in Design

Introduces the essential principles and concepts of ecology as they relate to the design and understanding of the built environment. Students explore interactions between people and nature, the design of resilient ecological systems and ways that the built world is influenced by its environment.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Physical Factors

ENVD 2011 (1-6) Special Topics: Social Factors in Environmental Design for non-majors

Addresses variable topics in the relationship of human experience and behavior to the built environment.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Restricted to non-Environmental Design majors with 0-56 credits (Freshmen or Sophomores).

ENVD 2012 (1-6) Special Topics: Computer Methods and Graphic Applications for non-majors

Addresses variable topics in design communications, animation and environmental simulation, and computational methods of technical evaluation and optimization.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Restricted to non-Environmental Design majors with 0-56 credits (Freshmen or Sophomores).

ENVD 2013 (1-6) Special Topics: Physical Factors in Environmental Design for non-majors

Addresses variable topics in appropriate technology, public policy and natural hazards, organization of the designing and building process, and physical elements of urban development.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Restricted to non-Environmental Design majors (not ARCH, EPOD, LAND, PLAN or open option ENVD) with 0-56 credits (Freshmen or Sophomores).

ENVD 2014 (1-6) Special Topics: Theory, History and Historiography of Environmental Design for non-majors

Addresses variable topics in theory and criticism, history and historiography of environmental design.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Restricted to non-Environmental Design majors with 0-56 credits (Freshmen or Sophomores).

ENVD 2015 (1-6) Special Topics: Technology and Practice for non-majors

Addresses variable topics in the new technologies and issues of professional practice in the environmental design professions.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Restricted to non-Environmental Design majors with 0-56 credits (Freshmen or Sophomores).

ENVD 2101 (3) Context of Design: Planning and Implementation

Explores the regulatory and procedural context in which design decisions are made and implemented. Includes an examination of finance, policy, and development procedures necessary in bringing conceptual designs to life.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

ENVD 2352 (1-6) Special Topics: Beginning Digital Applications

Foundation level computing skills for design analytics and representation.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

ENVD 3002 (3) Revit I: Introduction to Building Information Modeling (BIM)

Introduces students to BIM modeling through the Revit platform.

Fundamental skills will be taught to help students understand technical and practical aspects of this software to support academic projects and gain early exposure to expectations in professional practice.

Requisites: Requires prerequisite course of ENVD 1022 (minimum grade C-) and 30+ credits. Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Methods and Techniques

ENVD 3003 (3) Site Planning

Introduces the site planning process including: site analysis and its relationship to building program and site concept, and preparation of site plans. Emphasis is placed on the planning of the physical site through a thorough understanding of process, land use, site constraints and synthesis of ecological, functional and aesthetic considerations in the site planning process.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Recommended: Corequisite ENVD 2130.

Grading Basis: Letter Grade

Additional Information: Departmental Category: Physical Factors

ENVD 3009 (1-6) Special Topics in Environmental Design

Seminar or design lab on special issues in environmental design, including study abroad. Variable topic class.

Repeatable: Repeatable for up to 21.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Miscellaneous

ENVD 3011 (1-6) Special Topics: Social Factors in Environmental Design for non-majors and ENVD students

Addresses variable topics in the relationship of human experience and behavior to the built environment.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Restricted to students with 57-180 credits (Juniors or Seniors).

Recommended: majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) are required to take class for grade.

ENVD 3012 (1-6) Special Topics: Computer Methods and Graphic Applications for non-majors and ENVD students

Addresses variable topics in design communications, animation and environmental simulation, and computational methods of technical evaluation and optimization.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Requires prerequisite course of ENVD 3002 (minimum grade C-). Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Recommended: majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) are required to take class for grade.

ENVD 3014 (1-6) Special Topics: Theory, History and Historiography of ENVD for non-majors and ENVD students

Addresses variable topics in theory and criticism, history and historiography of environmental design.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Restricted to students with 57-180 credits (Juniors or Seniors).

Recommended: majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) are required to take class for grade.

ENVD 3023 (1-6) Special Topics: Physical Factors in Environmental Design for non-majors and ENVD students

Addresses variable topics in appropriate technology, public policy and natural hazards, organization of the designing and building process, and physical elements of urban development.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Restricted to students with 57-180 credits (Juniors or Seniors).

Recommended: Prerequisite majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) are required to take class for grade.

ENVD 3035 (1-6) Special Topics: Technology and Practice for non-majors and ENVD students

Addresses variable topics in the new technologies and issues of professional practice in the environmental design professions.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Restricted to students with 57-180 credits (Juniors or Seniors).

Recommended: Prerequisite majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) are required to take class for grade.

ENVD 3052 (3) Digital Tools for LAND/PLAN

Weave together digital tools used in the landscape architecture and sustainable planning professions. Emphasizing the exploration of design, 3D modeling, analysis, and how to use and present data. Tools covered include software for mapping, data analysis and 3D modeling.

Requisites: Requires prerequisite course of ENVD 1022 (minimum grade C-). Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN), open option (ENVD) and Environmental Planning Minor students.

Grading Basis: Letter Grade

Additional Information: Departmental Category: Methods and Techniques

ENVD 3100 (6) ENVD Interdisciplinary Design Studio

Explores a sequence of investigations that lead to the development of design concepts for critical evaluation and discussion. Students analyze intermediate to advanced design practices that are common to the disciplines of architecture, planning, urban design, landscape architecture, and product design through an interdisciplinary design project.

Repeatable: Repeatable for up to 12.00 total credit hours.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN), open option (ENVD), and Environmental Planning Minor students with 40+ credits and ENVD 2003 or ENVD 2001 prerequisites.

Grading Basis: Letter Grade

Additional Information: Departmental Category: Studios

ENVD 3102 (3) Revit II

Provides students a learning and practice environment to deepen and expand their skills within the Revit software. The experiential nature of this software benefits from repetitive use and expansion of skills, which this course provides. More attention will be given to presentation techniques, family building and templates which support project advancement and production. This course may also integrate plug-ins and other software compatible within and alongside Revit.

Requisites: Requires prerequisite course of ENVD 3002 (minimum grade C-). Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

ENVD 3150 (3) Professional Communication for Design Students

Prepares students for the projects they will undertake as design professionals. Enriches students' awareness of writing as a life-long tool and communicates the importance of writing well, while emphasizing effective written and oral communication skills.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

ENVD 3152 (3) ArcGIS: Geographic Information Systems (GIS)

Focuses on construction and use of computer-based information systems to represent and manipulate geographic data. Emphasizes the recording, mapping, and transforming of data for analysis and use by environmental designers.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Methods and Techniques

ENVD 3212 (3) Color Theory

Develops visual awareness and technical knowledge while exploring the significance of color in the design world. Color plays a crucial psychological role, evoking emotions and influencing behavior, making it essential for designers to use color intentionally and thoughtfully. Through hands-on activities, we examine contemporary uses of color and patterns, learning how to achieve color harmony in design.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Methods and Techniques

ENVD 3252 (3) RHINO: Intro to 3-D Modeling

Teaches beginning to intermediate skills and design practices of 3D modeling using Rhino-Rhinoceros 3D software. Learn strategies around representing your design in 3D models and how to use these techniques.

Requisites: Requires prerequisite course of ENVD 1022 (minimum grade C-) and 30+ credits. Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Methods and Techniques

ENVD 3314 (1-6) Special Topics: History of Design

Provides a lecture exploring various topics of design history of the built environment. The focus of this course is directed to all majors.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) students with 27-180 credits (Sophomores, Juniors or Seniors).

Grading Basis: Letter Grade

ENVD 3352 (1-6) Special Topics: Intermediate Digital Applications

Intermediate level computing skills for design analytics and representation.

Repeatable: Repeatable for up to 6.00 total credit hours. Allows multiple enrollment in term.

Requisites: Requires prerequisite course of ENVD 3252 or in progress. Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Methods and Techniques

ENVD 3909 (1-6) Independent Study

By special arrangement with instructor.

Repeatable: Repeatable for up to 6.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) students with 57-180 credits (Juniors or Seniors).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Miscellaneous

ENVD 3919 (1-6) Teaching Assistant

By special arrangement with instructor.

Repeatable: Repeatable for up to 6.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Program in Environmental Design (ARPLU) students with 87 -180 credits (Seniors).

Recommended: Prerequisite three point zero GPA.

Additional Information: Departmental Category: Miscellaneous

ENVD 3929 (1) Peer Leadership and Mentorship and Transitioning Students

Explores the student transition to university life and engage students in active leadership and mentoring capacity-building activities. Examines the role peers play in leading students through transitional development. Students will learn the theoretical basis for understanding student transition and develop their mentoring capacities as well as examine personal identity and values and its intersection with leadership and mentorship.

Repeatable: Repeatable for up to 3.00 total credit hours.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) students with 27-180 credits (Sophomores, Juniors or Seniors).

Recommended: 3.00 GPA.

Grading Basis: Letter Grade

Additional Information: Departmental Category: Miscellaneous

ENVD 3939 (1-3) Exploratory Internship

Offers professional experiences allowing students to discover a variety of design-related environments. In addition to the internship experience, students attend classroom sessions providing professional development exercises.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) students with 27-180 credits (Sophomores, Juniors or Seniors).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Miscellaneous

ENVD 3972 (3) Advanced Writing in Environmental Design

Prepares students for researching, planning, and writing a Senior Honors thesis and for professional life. Enriches students' awareness of writing as a life-long tool and communicates the importance of writing well. Emphasizes clear, persuasive, and effective written and oral communication skills. Projects explore the many ways in which writing is a powerful tool in the world of design.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) students with 57 credit hours and a cumulative GPA of 3.0 or higher.

Grading Basis: Letter Grade

ENVD 4009 (1-6) Special Topics in Environmental Design

Variable topic seminar or design lab on special issues in environmental design.

Repeatable: Repeatable for up to 6.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Miscellaneous

ENVD 4023 (3) Environmental Impact Assessment

Provides a field-oriented seminar in current environmental impact controversies. Gives attention to history, theory, and application of impact analysis at state levels for designers, land-use planners, and others involved in resource decision making. By instructor consent, open to nonmajors on a space available basis.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Physical Factors

ENVD 4052 (3) Portfolio Design: Graphic Communication for Designers

Explores topics related to graphic design and visual communication aimed at constructing your professional identity. Topics include layout, composition, fonts, color theory, printing, publication and web-based presence. Comprehend the fundamentals of graphic design and their application in visual communication through the use of Adobe Creative Suite.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD), with 60+ credit hours.

Grading Basis: Letter Grade

Additional Information: Departmental Category: Methods and Techniques

ENVD 4055 (3) Professional Practice of Environmental Design

Explores how projects are conceived, designed, documented, and built. Students will examine the complexities of the design and construction process, including industry standards, project delivery methods, and practice management. Emphasizing problem-solving and real-world applications, the course prepares students to navigate the challenges of translating ideas into built environments.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

ENVD 4100 (3-6) Advanced Design Lab 1

Design lab exploring new and emerging themes in design.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Studios

ENVD 4112 (3) Advanced Graphics for Designers

Illustrates techniques of graphics communication and presentation for environmental design, including advanced illustration and color studies.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Methods and Techniques

ENVD 4122 (3) Digital Photo for Designers

Explores digital photographic workflow from capture to exhibition. Students gain the ability to document their projects and utilize photography as a means of creative expression. Topics include: using DSLRs, Adobe Lightroom, retouching with Adobe Photoshop, time-lapse photography, Adobe Premier, professional printing, landscape and architectural photography, sharing work through blogs and social media, and submitting work for publication and exhibition.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Additional Information: Departmental Category: Methods and Techniques

ENVD 4152 (3) Digital Design and Fabrication

Teaches beginning to intermediate concepts, strategies, and techniques in digital design and fabrication. Students will use 3D modeling (Rhino) and parametric plugins (Grasshopper) to investigate new ways of making using 3D printing, CNC machining, laser cutting and other processes.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Methods and Techniques

ENVD 4252 (3) Advanced Digital Design and Fabrication

Teaches intermediate to advanced concepts, strategies, technologies and joinery around ways to make objects and systems using computer software, analytical software and machines such as 3d printers, laser cutters, CNC machines and robot arms, etc. Explores more personal driven object typologies around furniture, building skins and small structures/foles tailored around performance and optimizations around materiality, manufacturing tolerances, embodied energies and sustainability.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN), open option (ENVD) and Environmental Planning Minor students.

Grading Basis: Letter Grade

ENVD 4311 (3) Housing Policies and Practices

Provides students with a descriptive knowledge and analytical understanding of the use and development of residential settings in global and political economies of high-, low-, and middle-income countries.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Social Factors

ENVD 4322 (1-6) Special Topics: Graphics

Provides an advanced seminar on special issues in design communications.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Methods and Techniques

ENVD 4352 (1-6) Special Topics: Computer Methods

Topics include animation and environmental simulation, computational methods of technical evaluation and optimization, and computational mapping and analysis.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Methods and Techniques

ENVD 4361 (1-6) Special Topics: Social Factors in Design

Addresses variable topics in the relationship of human experience and behavior to the built environment, e.g., social research methods in environmental design.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Social Factors

ENVD 4363 (1-6) Special Topics: Physical Factors in Environmental Design

Includes such topics as appropriate technology, public policy and natural hazards, organization of the designing and building process, and physical elements of urban development.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Physical Factors

ENVD 4364 (1-6) Special Topics: History and Historiography of Environmental Design

Provides an advanced seminar on history and historiography of environmental design, e.g., American dwellings.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: History and Theory

ENVD 4365 (1-6) Special Topics: Technology and Practice

Provides an advanced seminar on new technologies and issues of professional practice in the environmental design professions.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Technology and Practice

ENVD 4420 (3) Senior Capstone Seminar

Focuses on theoretical concerns and practical issues inherent in environmental design and planning. Views concerns and issues in terms of setting, processes, and planning and design outcomes. Provides a critical synthesis of the inherently interdisciplinary nature of planning and design education.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Studios

ENVD 4764 (1-6) Special Topics: Theory and Criticism in Environmental Design

Provides an advanced seminar on theory and criticism in environmental design.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Grading Basis: Letter Grade

Additional Information: Departmental Category: History and Theory

ENVD 4909 (1-6) Independent Study

By special arrangement with instructor.

Repeatable: Repeatable for up to 6.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) students with 57-180 credits (Juniors or Seniors).

Recommended: Prerequisite Students should have a minimum three point zero GPA.

Grading Basis: Letter Grade

Additional Information: Departmental Category: Miscellaneous

ENVD 4919 (1-6) Teaching Assistant

By special arrangement with instructor.

Repeatable: Repeatable for up to 6.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Recommended: Prerequisite 3.00 GPA.

Additional Information: Departmental Category: Miscellaneous

ENVD 4929 (1-6) Research Assistant

By special arrangement with instructor.

Repeatable: Repeatable for up to 6.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

Recommended: Prerequisite Students should have a minimum three point zero GPA.

Additional Information: Departmental Category: Miscellaneous

ENVD 4939 (3) Professional Design Internship

Students develop design and professional skills outside of the curriculum while working for an organization in the field of Environmental Design. Students also attend classroom sessions providing professional development exercises.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) students with 57-180 credits (Juniors or Seniors).

Recommended: Prerequisite Students should have a minimum three point zero GPA.

Grading Basis: Letter Grade

Additional Information: Departmental Category: Miscellaneous

ENVD 4972 (1-3) Honors Research Methods and Thesis Preparation

Prepares students for undertaking a research based honors thesis project in Environmental Design. Students engage with existing literature in the field to understand how research and design projects are conducted, and how their contribution fits within a long tradition of scholarship.

Repeatable: Repeatable for up to 3.00 total credit hours.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) students with 57-180 credits (Juniors or Seniors).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Miscellaneous

ENVD 4979 (1-3) Honors Thesis

Working with an advisor, students prepare, complete, and defend a research-based honors thesis project, in an area of Environmental Design.

Repeatable: Repeatable for up to 3.00 total credit hours.

Requisites: Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) students with 57-180 credits (Juniors or Seniors).

Grading Basis: Letter Grade

Additional Information: Departmental Category: Miscellaneous

ENVD 5000 (6) Design Skills Studio

This studio course is tailored for students from non-design backgrounds to develop foundational design skills essential for the interdisciplinary nature of environmental design. Basic graphic representation and design software that incorporates objects, buildings, landscapes, and urban scales.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) with 80 credits or more.

Grading Basis: Letter Grade

ENVD 5001 (3) Critical Thinking and ENVD

This course focuses on cultivating students' critical thinking skills by exploring theoretical frameworks and analyzing case studies pertinent to environmental design. Students engage with a variety of contemporary issues, such as climate change, sustainable development, environmental justice, and the impact of technological advancements on design practices. By critically analyzing real-world examples and theoretical perspectives, students gain a deeper understanding of the complexities and nuances involved in environmental design. The course aims to foster a thoughtful and reflective mindset, enabling students to approach design challenges with a well-rounded and informed perspective. By the end of the course, students will be equipped with the analytical tools and critical insights necessary to address contemporary environmental issues effectively.

Requisites: Requires prerequisite course of ENVD 5004 (minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) with 80 credits or more.

Grading Basis: Letter Grade

ENVD 5002 (3) Design Research Methods

This course equips students with the essential research methodologies crucial to environmental design, facilitating rigorous investigation and analysis within the field. Through an interdisciplinary approach, students delve into the foundational principles of environmental design writing and research across the main disciplines. The course surveys various research methods, including surveys, journalism, manifestos, scholarly essays, critical essays, and narratives, providing insight into effective methods of articulating architectural, urban, and environmental concepts.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) with 80 credits or more.

Grading Basis: Letter Grade

ENVD 5004 (3) Environmental Design Theory and Practice

This course delves into the theoretical underpinnings and practical implementations of environmental design, with a particular emphasis on sustainability and resilience principles. Students will acquire the foundational skills necessary to embark on a career as a designer, encompassing not only the creation of drawings and objects, but also the design of buildings, landscapes, and urban spaces. Furthermore, the course illuminates the intricate interplay between ecological and human-made systems that characterize our dynamic environment. Students will gain firsthand experience in drawing, measuring, and design processes, fundamental components of the profession.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) with 80 credits or more.

Grading Basis: Letter Grade

ENVD 5005 (3) Sustainable Design Tech

This seminar delves into the latest technologies and strategies in sustainable design, providing students with the essential knowledge to incorporate environmental considerations into their professional practice. The course covers a wide range of topics, including renewable energy systems, green building materials, water conservation techniques, and waste reduction methods. Students will explore innovative technologies such as smart building systems, sustainable urban planning tools, and circular economy practices. By the end of the course, students will be equipped to make informed decisions that enhance environmental sustainability, reduce ecological footprints, and contribute to the development of resilient, sustainable communities.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) with 80 credits or more.

Grading Basis: Letter Grade

ENVD 5012 (3) Design Practice

This course focuses on the practical application of environmental design through the perspective of a recognized practitioner. The course details the user, community engagement, and ethical considerations of environmental design projects. Students will focus on exploring how environmental design practices influence and shape the design process. Throughout the course, students will delve into advanced practical and managerial concepts, methodologies, and frameworks that underpin design practice, gaining a deep understanding of how theoretical insights can be applied to real-world environmental challenges.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) with 80 credits or more.

Grading Basis: Letter Grade

ENVD 5014 (3) Theory in Action

This elective course is led by one of the selected faculty members at ENVD and focuses on a unique case example of epistemological inquiry. Students will have the opportunity to explore the theoretical context of such inquiry and participate in the development of knowledge production based on the theoretical foundations of the scholar's inquiry. Throughout the course, students will delve into advanced theoretical concepts, methodologies, and frameworks that underpin the case study, gaining a deep understanding of how theoretical insights can be applied to real-world environmental challenges. The course aims to enhance students' critical thinking skills, intellectual curiosity, and ability to integrate diverse theoretical perspectives into their professional practice.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) with 80 credits or more.

Grading Basis: Letter Grade

ENVD 5100 (6) Interdisciplinary Studio 1

This course emphasizes the intricate relationship between product design and architectural spaces. Through hands-on projects, students explore the intersection of these domains, integrating principles of environmental sustainability and innovative design practices. The course encourages students to consider user experience and form. Furthermore, the studio delves into the broader implications of design decisions on environmental sustainability, prompting students to create solutions that are not only innovative but also ecologically responsible. By the end of the course, students will have developed a comprehensive understanding of how to harmonize product design with architectural spaces, considering both user needs and sustainable design principles.

Requisites: Requires prerequisite course of ENVD 5000 (minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) with 80 credits or more.

Recommended: Prerequisites ARCH 3100, ENVD 3100, EPOD 3100, LAND 3100 or PLAN 3100 (minimum grade C-).

Grading Basis: Letter Grade

ENVD 5200 (6) Interdisciplinary Studio 2

Building upon the foundational principles explored in the first interdisciplinary studio, this course expands its focus to the design of landscapes and urban environments. Students engage in complex projects that address the multifaceted challenges of environmental sustainability, social equity, racial justice, gender considerations, and political dynamics. Through collaborative studio work, the course emphasizes holistic and inclusive design approaches that respond to the needs of diverse communities. Students will explore how to create resilient and equitable urban landscapes that promote social cohesion and environmental stewardship.

Requisites: Requires prerequisite course of ENVD 5100 (minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) with 80 credits or more.

Grading Basis: Letter Grade

ENVD 5346 (1-6) Spec Topics: Environmental Design

Graduate level topics vary from semester to semester.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) with 80 credits or more.

Grading Basis: Letter Grade

Additional Information: Departmental Category: Miscellaneous

ENVD 6100 (6) Practicum Self-guided Capstone

In this culminating experience, students undertake a self-directed capstone project that integrates their knowledge, skills, and research interests, addressing real-world environmental design challenges. This course encourages students to apply theoretical concepts and practical skills acquired throughout their program to a comprehensive project of their own design. Students will engage in rigorous research, creative problem-solving, and innovative design thinking to develop solutions that respond to contemporary environmental issues. They will explore their unique interests within the field of environmental design, focusing on the intersectionality and interdisciplinarity of at least two disciplinary areas.

Requisites: Requires prerequisite course of ENVD 5200 (minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) with 80 credits or more.

Grading Basis: Letter Grade

ENVD 7909 (1-6) Independent Study

Independent course content for advanced students.

Repeatable: Repeatable for up to 6.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) with 80 credits or more.

Grading Basis: Letter Grade

Additional Information: Departmental Category: Miscellaneous