

ARCHITECTURAL STUDIES (ENV-DSN)

Courses

ENV-DSN 110 The Meaning Of Architecture Credits: 3

Architecture is a visual and physical expression of civilization. This course will introduce to the student an understanding and appreciation of architecture and our built environment through a broad examination of cultural and aesthetic paradigms. May not be taken for credit by students enrolled in the Architectural Studies curricula.

ENV-DSN 201 Environmental Design Studio I Credits: 4

Foundation studies introducing the principles, processes and vocabularies of environmental design. Instruction in two and three dimensional visualization of objects and spaces. Instruction in the use of instrument-aided drawing, freehand drawing and model building to represent and communicate design ideas at different scales of observation.

ENV-DSN 202 Environmental Design Studio II Credits: 4

Continuation of ENV-DSN 201.

Prerequisites: ENV-DSN 201.

ENV-DSN 203 Survey of the Design Professions Credit: 1

Overview of the design professions. Comparative study of the roles of the architect, interior architect, interior designer, landscape architect, and planner; their working methods, collaborative endeavors, and interaction with consultants and specialists. Description of career paths, educational alternatives, licensure, and professional organizations.

ENV-DSN 248 Fundamentals of Architectural Technology Credits: 3

Instruction in the fundamentals of architectural technology with emphasis on the concepts and principles necessary for developing an integrated approach to building design.

ENV-DSN 250 History of the Designed Environment I Credits: 3

This course will present an overview of the developments in architectural, urban, landscape and interior design which have had an impact on the physical environment from ancient times through the medieval up to the gothic period. A central objective of the course is to gain an understanding of why these developments occurred and how the needs and aspirations of a given time were manifested in physical form.

ENV-DSN 251 History of the Designed Environment II Credits: 3

This course will present an overview of the developments in architectural, urban, landscape and interior design which have had a consequential impact on the physical environment of the Western world from the Italian Renaissance (starting in the 15th century) up to the present day.

ENV-DSN 252 History of the Designed Environment III Credits: 3

The history of the designed environment from the mid-18th century to the present.

ENV-DSN 301 Architectural Design Studio I Credits: 5

Instruction in architectural design focusing on the application of elements and principles of form and space in design. Instruction in the use of techniques for visually representing design ideas.

Prerequisites: ENV-DSN 202.

ENV-DSN 302 Architectural Design Studio II Credits: 5

Instruction in architectural design focusing on the synthesis of basic social, functional, technical, and aesthetic factors in design. Continued instruction in techniques for visually representing ideas.

Prerequisites: ENV-DSN 301.

ENV-DSN 347 Structural Systems in Architecture I Credits: 4

Introduction to structure as a building system. Overview of contemporary structural systems and their components, including wood, timber, steel, concrete, masonry, and hybrid structures. Discussion of building code requirements for structure, general guidelines for building structures, including appropriate application, and methods for schematic estimation of structural member sizing. Basic understanding of how gravity and lateral forces are propagated through a structural frame from load to building foundation. Recommended preparation: PHYSICS 210.

Prerequisites: MATH 110 or MATH 120 or higher.

ENV-DSN 433 Building Construction Systems in Architecture I Credits: 3

In this lecture course, students develop an understanding of how materials and systems assembly reinforce and extend the intentions of the designer as well as an understanding of the strategies and techniques for integration and coordination of the building components.

Prerequisites: ENV-DSN 248.