ARCHITECTURE (ARCH)

Courses

ARCH 2100 (6) Studio 1: Foundations of Architecture
The beginning of the architectural specialization sequence, this course introduces students to the basic strategies and techniques of architectural design. This studio focuses on concepts of medium-scale building design, siting, and climate. Through multiple design exercises, students learn how these factors assist in shaping buildings.
Requisites: Requires prerequisite course of ENVD 1040 (minimum grade C-). Restricted to Program in Environmental Design (ARPLU) students with 40+ credits.
Recommended: Corequisite ARCH 2115.

ARCH 2115 (3) Architecture Materials and Methods
An introduction to both standard and innovative building materials this course exposes students to the elements and processes used in constructing buildings. Through lectures, technical drawing, material research and exposure to practicing professionals, students build a foundation of knowledge necessary to approach the specification and design of materials and to foster a curiosity in the innovative frontiers of assembly, aesthetics and sustainable life-cycle considerations.
Requisites: Restricted to Program in Environmental Design (ARPLU) students.
Recommended: Corequisite ARCH 2100.

ARCH 3100 (6) Studio 2: Intermediate Architecture
Dealing with problems at an intermediate level of complexity this architecture studio emphasizes the interaction of form, programmatic use, human behavior and context in creating structure. Studio options may include a client-based community engaged project, real world applications, and/or result in a physical product. Students work across analog and digital platforms to produce high quality and portfolio-worthy work.
Repeatable: Repeatable for up to 12.00 total credit hours.
Requisites: Requires prerequisite course of ARCH 2100 (minimum grade C-). Restricted to Program in Environmental Design (ARPLU) students.
Recommended: Corequisite ARCH 3114.

ARCH 3114 (3) History and Theory of Architecture 1
Focusing on buildings, this lecture is a survey of the built environment starting with some of the first structures built by humans and moving through time to the Industrial Revolution. The course focuses on the development of major styles, influential people, and the drivers of building form.
Requisites: Requires prerequisite course of ENVD 1024 (minimum grade C-) and restricted to Program in Environmental Design (ARPLU) students or restricted to Architectural Engineering (AREN) majors only with 57-180 credits (Junior or Senior).
Recommended: Corequisite ARCH 3100.

ARCH 3214 (3) History and Theory of Architecture 2
Picking up after the Industrial Revolution and continuing through to today¿s Contemporary Architecture this course is the sequel to History and Theory I. History be taught thematically and cover important structures, key figures, and movements that have shaped our modern world.
Requisites: Requires prerequisite course of ENVD 1024 (minimum grade C-) and restricted to Program in Environmental Design (ARPLU) students or restricted to Architectural Engineering (AREN) majors only with 57-180 credits (Junior or Senior).
Recommended: Prerequisite ARCH 3114 with a C- or better.

ARCH 4100 (6) Studio 3: Capstone in Architecture
The capstone of the studio sequence, this course investigates building technology, structural systems, user experience, and environmental sustainability. Studio options may include a client-based community engaged project, real world applications, and/or result in a physical product. Outcomes include well developed structures designed with a high level of craft, resulting in sophisticated and exhibit-worthy presentations.
Requisites: Requires prerequisite course of ARCH 3100 (minimum grade C-). Restricted to Program in Environmental Design (ARPLU) students.
Recommended: Corequisite ARCH 4115.

ARCH 4115 (3) Architecture Building Technology
Through experimentation and testing, the fundamentals of building physics and climate science are taught in this interactive seminar. Students learn the concepts related to structural and mechanical systems necessary for proper building function by first studying and then implementing the key systems through hypothetical building assignments. This class covers active and passive green building systems that are necessary when designing structures for an evolving climate.
Requisites: Requires prerequisite course of ARCH 2115 (minimum grade C-). Restricted to Program in Environmental Design (ARPLU) students.