ARC 3325, Design 3.2, 5 credits.

The course provides a firm grounding in design principles and the technical systems associated with buildings and their urban settings. It offers the opportunity to link with the history course on modern architecture by locating a design project in a setting being studied in the history course. The course also incorporates a hands-on experience with building materials and systems that relates to a design project for a specific climate and topography.

Course Goals & Objectives:

Ability to use appropriate representational media, including freehand drawing and computer technology, to convey essential formal elements at each stage of the programming and design process.

Student Performance Criterion/a addressed:

B.3 Sustainable
Ability to design projects that optimize, conserve, or reuse natural and built resources, provide healthful environments for occupants/users, and reduce the environmental impacts of building construction and operations on future generations through means such as carbon-neutral design, bioclimatic design, and energy efficiency.

B.4 Site Design
Ability to respond to site characteristics such as soil, topography, vegetation, and watershed in the development of a project design.

B.5 Life Safety
Ability to apply the basic principles of life-safety systems with an emphasis on egress.

Topical Outline:

Passive design analysis
Introduction to LEED
Site documentation and analysis
Programming
Code research and analysis

Prerequisites:

ARC 3324 Design 3.1

Textbooks/Learning Resources:


Offered:

Spring and Summer annually

Faculty assigned:

Olivier Chamel (Adjunct) Elizabeth Lewis (F/T)
Enn Ots (F/T)