

Number & Title of Course: ARCH 481 Senior Architectural Design Project.

Course Description: Advanced architectural design and research project-Integration of architectural theory, principles, and practice with creative, organizational, and technical abilities in architectural design and design research. Total credit limited to 15 units. 5 laboratories.

Program Goals & Course Outcomes

- Think critically and creatively about architectural problems.
 - Ability to raise clear and precise questions, use abstract ideas to interpret information, consider diverse points of view, reach well-reasoned conclusions, and test alternative outcomes (A2).
 - Ability to examine and apply the fundamental principles present in relevant precedents (A6).
- Use a diverse range of skills including writing, speaking, drawing, and modeling to think about and convey architectural ideas.
 - Ability to write and speak effectively (A1).
 - Ability to use representational media appropriate for public and professional audiences (A1).
- Synthesize a wide range of variables that contribute to an integrated design solution.
 - Ability to make design decisions within a complex architectural project while considering environmental stewardship, technological documentation, accessibility, site conditions, and life safety, as well as environmental, structural, and building envelope systems and assemblies (C3).

Student Performance Criteria Addressed

A1 Professional Communication Skills

A2 Design Thinking Skills

A6 Use of Precedents

C3 Integrative Design

Topical Outline

Site and program analysis (10%)

Precedent studies (5%)

Architectural design (45%)

Systems integration (15%)

Visual communication and documentation (20%)

Architectural theory (5%)

Prerequisites: ARCH 451, 452 and 453.

Textbooks/Learning Resources: NA.

Offered: Fall, Winter and Spring annually.

Faculty Assigned: Carolina Dayer (Lecturer), Tom Di Santo (Associate Professor), Jonathan Foote (Lecturer), Doug Jackson (Associate Professor), Ansgar Killing (Lecturer), Karen Lange (Professor), Jonathan Reich (Professor), Sandy Stannard (Professor), Umut Toker (Associate Professor), and Barry Williams (Lecturer).