

Number & Title of Course: ARCH 341 Architectural Practice 3.1 (activity component).

Course Description: Continuation of Arch 242 plus the concepts, methods, and processes and building systems that pertain to the detailing and construction of large-scale steel, and concrete structures. 2 lectures, 2 discussions.

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 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 use representational media appropriate for public and professional audiences (A1).
- Understand and apply the technical aspects of architectural design, building systems and construction materials considering the environmental impact of such decisions.
 - Ability to design sites, facilities, and systems that respond to relevant codes and regulations while reflecting life-safety and accessibility standards (B3).
 - Ability to demonstrate the basic principles of structural systems as well as their selection and application (B5).
- Engage in lifelong learning as a professional.
 - Ability to gather, assess, record and comparatively evaluate relevant information (A3).

Student Performance Criteria Addressed

A1 Professional Communication Skills

A2 Design Thinking Skills

A3 Investigative Skills

A6 Use of Precedents

B3 Codes and Regulations

B5 Structural Systems

Topical Outline: see lecture component.

Prerequisites: see lecture component.

Textbooks/Learning Resources: see lecture component.

Offered: Fall annually.

Faculty Assigned: Dale Clifford (Assistant Professor), Charles Dellinger (Lecturer), Thomas Fowler (Professor), Andrew Goodwin (Lecturer), Alexander Hirsig (Lecturer), Stephen Lee (Lecturer), Bryan Shields (Lecturer), Umut Toker (Associate Professor), Jermaine Washington (Lecturer), Stacey White (Lecturer), Barry Williams (Lecturer), and Margarida Yin (Lecturer).