

Number & Title of Course: ARCH 352 Architectural Design 3.2

Course Description: Continuation of ARCH 351 plus the development and exploration of architectural theories, building systems, and design concepts and processes involved in creating sustainable architecture with an emphasis on implications of ecological, environmental and site issues as building form generators. 1 lecture, 4 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 the fundamental principles present in relevant precedents (A6).
 - Ability to respond to site characteristics in the development of a project design (B2).
- 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).
- Understand and apply the technical aspects of architecture, while considering the environmental impact of design decisions.
 - Ability to demonstrate the principles of environmental systems design, how design criteria can vary by geographic region, and the tools used for performance assessment (B6).

Student Performance Criteria Addressed

A1 Professional Communication Skills

A2 Design Thinking Skills

A6 Use of Precedents

B2 Site Design

B6 Environmental Systems

Topical Outline

Site and program analysis (10%)

Precedent studies (5%)

Design concept (30%)

Systems integration (30%)

Visual communication and technical documentation (20%)

Architectural theory (5%)

Prerequisite: ARCH 351, ARCH 341. Corequisite with ARCH 307

Textbooks/Learning Resources: varies by instructor.

Offered: Winter annually.

Faculty assigned: Mark Cabrinha (Associate Professor), Dale Clifford (Assistant Professor), Thomas Fowler (Professor), Andrew Goodwin (Lecturer), John Lange (Professor), Kent Macdonald (Lecturer), Jeff Ponitz (Assistant Professor), Bryan Shields (Lecturer), Barry Williams (Lecturer), Greg Wynn (Lecturer), and Margarida Yin (Lecturer).