**Number & Title of Course:** ARCH 253 Architectural Design 2.3.

**Course Description:** Continuation of ARCH 251 and ARCH 252 plus the theories, concepts, processes and skills pertaining to context, structure and climate as determinants that shape the built environment and support the communication of intended concepts and meanings. 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 effectively use basic design principles in two and three dimensions (A4).
  - Ability to examine and apply 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 appropriate representational media for public and professional audiences (A1).
- Understand and apply the technical aspects of architecture, while considering the environmental impact of design 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 principles of environmental systems design, how design criteria can vary by geographic region, and the tools used for performance assessment (B6).
  - Understanding the selection and application of building envelope systems (B7).

**Student Performance Criteria Addressed**
A1 Professional Communication Skills
A2 Design Thinking Skills
A4 Architectural Design Skills
A6 Architectural Precedents
B2 Site Design
B3 Codes and Regulations
B6 Environmental Systems
B7 Building Envelope Systems and Assemblies

**Topical Outline**
Site and program analysis (15%)
Precedent studies (5%)
Design concept (40%)
Systems integration (15%)
Visual communication (20%)
Architectural theory (5%)

**Prerequisites**: ARCH 242 and ARCH 252. Corequisite with ARCH 207

**Textbooks/Learning Resources:** NA.

**Offered:** Spring annually.

**Faculty Assigned:** Robert Arens (Professor), Kelle Brooks (Lecturer), Brent Freeby (Lecturer), Chandrika Jaggia (Lecturer), Gabriel Kaprielian (Lecturer), Kent Macdonald (Lecturer), Clare Olsen (Assistant Professor), Margaret Pedone (Lecturer), Meredith Sattler (Assistant Professor), Carmen Trudell (Assistant Professor), and Keith Wiley (Lecturer).