Number & Title of Course: ARCH 342 Architectural Practice 3.2 (activity component).

Course Description: Continuation of ARCH 341 plus the concepts, methods, and processes pertaining to the preparation of outline specifications, and the production of design development drawings for building envelope and fabrication systems that inform the design and development of large scale buildings. 2 lectures, 2 discussions.

Program Goals & Course Outcomes

- 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).
- 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).

- 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 make technically clear drawings, models, and outline specifications (B4).
    - Understanding the selection and application of building envelope systems (B7).
    - Understanding the selection and application of building materials and assemblies (B8).

- 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
B4 Technical Documentation
B7 Building Envelope Systems and Assemblies
B8 Building Materials and Assemblies

Topical Outline: see lecture component.

Prerequisites: see lecture component.

Textbooks/Learning Resources: see lecture component.

Offered: Spring annually.

Faculty Assigned: Andrew Goodwin (Lecturer), Alexander Hirsig (Lecturer), Ansgar Killing (Lecturer), John Lange (Professor), Stephen Lee (Lecturer), Kent MacDonald (Lecturer), Bryan Shields (Lecturer), Barry Williams (Lecturer), Greg Wynn (Lecturer), and Margarida Yin (Lecturer).