

**Number & Title of Course:**

ARCH 4050 Design VI: Build, 6 credits

**Course Description:**

This course examines the relationship between the design process and the act of building. Concept and reality are studied, resulting in a built architectural object.

**Course Goals:**

- The primary goal is to explore the synthesis between the architect's vision and the limitations and possibilities inherent in the reality of building.
- To communicate architecture as an arrangement of mass, space and light that express human values.
- Demonstrate design methodology through representation and presentation.

**Course Objectives:**

- Students should be able to apply architectural principles to a design problem that resolves both the abstract and pragmatic concerns of the various conditions.
- Students should be able to apply a working knowledge of material appropriateness and assembly.
- Students should be able to create models and drawings that reflect consistency of process and product.
- Students should be able to apply applicable model codes, standards, and guidelines to a design problem.

**Student Performance Criteria addressed:**

B.4. Technical Documentation

B.7. Building Envelope Systems + Assemblies

B.8. Building Materials and Assemblies

**Topical Outline:**

Codes and Guidelines (10%) Design and Building (50%) Modeling (30%),  
Graphic Representation (10%)

**Prerequisites:**

ARCH 4000 Design V: Technology

**Textbooks/Learning Resources:**

Readings from selected Texts

*Building Construction Illustrated*; Ching, John Wiley and Sons, 2008

2-D/3/D computer software, Sketch Book, Modeling Supplies

**Offered:**

Spring, Annually

**Faculty assigned:**

Kellie Cole, Instructor of Architecture (Spring 2019)

Jason Miller, Adjunct Assistant Professor of Architecture (Spring 2018)