

ARC 352: DESIGN IV: COMPLEXITY**5 credits**

Course Description: Completion of complex design projects in varied environmental settings. Rapidly paced projects designed to provide the maximum exposure to complex architectural typologies. Analysis of facility program toward management of complex patterns. Prerequisites: ARC 351, 381. Restricted to major. Studio Fee: \$60.

Course Goals and Objectives:

Upon completion of this course, the student will:

1. Learn architectural design by experiencing a series of appropriately complex architectural projects.
2. Obtain the ability to make a comprehensive analysis and evaluation of a building, building complex, or urban space.
3. Apply basic organizational, spatial, structural, and constructional principles to the conception and development of interior and exterior spaces, building elements, and components.
4. Acquire an understanding of the basic principles that inform the design and selection of life-safety systems in buildings and their subsystems.
5. Reinforce the issues of sustainable design, as one aspect of the design of complex architectural typologies, through repeated application of the principles.
6. Acquire an ability to identify and assume divergent roles that maximize individual talents, and cooperate with other students when working as members of a design team.

NAAB Student Performance Criteria:

A.2: Design Thinking Skills **A.5:** Investigation Skills

A.6: Fundamental Design Skills **A.7:** Use of Precedents **A.10:** Cultural Diversity

B.1: Pre-design **B.2:** Accessibility **B.3:** Sustainability **B.4:** Site Design **B.5:** Life Safety

B.11: Building Service Systems **C.3:** Client Role in Architecture

Topical Outline**Percentages of Time**

I. Program Development	10%
A. Research	
B. Analysis	
II. Site Analysis	5%
A. Data collection	
B. Information organization	
C. Analysis	
III. Concept Development	25%
A. Formulation of concept	
B. Communication of concept	
IV. Concept Development	40%
A. Concept realization	
B. Design process	

C. Communication of design
V. Design Development 20% A.
 Development process
 B. Communication process

Textbooks:

Ching, F. *Architecture: Form, Space and Order*. 2nd ed. New York: Van Nostrand Reinhold, 1996.

Clark, R., & M. Pause. *Precedents in Architecture*, 3rd ed. New York : Van Nostrand Reinhold, 2005.

Offered: Spring semester

Faculty: Brazley, Kirkpatrick, Wessel, Davey