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

Topical Outline

I. Program Development
   A. Research
   B. Analysis

II. Site Analysis
   A. Data collection
   B. Information organization
   C. Analysis

III. Concept Development
   A. Formulation of concept
   B. Communication of concept

IV. Concept Development
   A. Concept realization
   B. Design process

Percentages of Time

10%
5%
25%
40%
C. Communication of design

V. Design Development 20%  A.
   Development process
   B. Communication process

Textbooks:

Offered: Spring semester

Faculty: Brazley, Kirkpatrick, Wessel, Davey