Course Description

Familiarizes students with a range of criteria and intentions in architectural design including the role of building systems. Helps students develop their design presentation graphics, design development and modeling skills used in a professional architectural office. Lecture 2 hours. Laboratory 6 hours. Total 8 hours per week.

General Course Purpose

To develop an understanding of the design process used in architectural firms from schematic design through design development.

Course Prerequisites/Co-requisites

Prerequisite is ARC 122 or ARC 124 or permission of instructor.

Course Objectives

Upon completing the course, the student will be able to:

- Analyze a complex site
- Analyze a complex building program
- Develop a design concept
- Develop a building design
- Communicate a design concept through drawings and models
- Develop a design concept to include appropriate building systems

Major Topics to be Included

a. Survey of design criteria
b. Site analysis
c. Program analysis and interpretation
d. Schematic design
e. Design communication
f. Design development
g. Integration of structural concept
h. Building systems and materials