Course Description

Serves as a capstone course which requires the development of a comprehensive set of architectural communications for a complex building. Requires students to demonstrate competence in all aspects of architectural technology including site planning, building systems, construction documents, design principles and computer aided graphics. Lecture 2 hours. Laboratory 6 hours. Total 8 hours per week.

General Course Purpose

Functions as a capstone course to enhance and demonstrate students’ competence in all aspects of the curriculum

Course Prerequisites/Corequisites

Prerequisite is ARC 231 Architectural Design and Graphics I

Course Objectives

Upon completing the course, the student will be able to develop a comprehensive set of architectural communications for a complex building that demonstrates an understanding of:

➢ the principles of site planning
➢ building design principles
➢ principles of building construction
➢ principles of structural systems
➢ principles of environmental control systems
➢ computer generated graphics
➢ construction documents
➢ historical architectural precedents

Major Topics to be Included

a. Working with the principles of site planning
b. Working with building design principles
c. Working with the principles of building construction
d. Working with the principles of structural systems
e. Working with the principles of environmental control systems
f. Working with computer generated graphics
g. Creating construction documents
h. Working with historical architectural precedents