Course Description

A continuation of Architectural Graphics I. Introduces techniques of architectural communication including orthographic projection and sketching as well as 3D views and modeling. Requires the production of plans, sections, elevations and 3D views and models of a simple building using computer technology. Includes dimensioning and detailing. Part II of II. (Credit cannot be awarded for both ARC 122 and 124.) Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

General Course Purpose

To utilize the skills and knowledge obtained in ARC 123 and DRF 201 to produce a limited set of architectural drawings using computer technology

Course Prerequisites/Co-requisites

Prerequisites: ARC 121 Architectural Drafting I or ARC 123 Architectural Graphics I, DRF 201 Computer Aided Design and Drafting I, and ARC 133 Construction Methodology and Procedures I.

Course Objectives

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

- Use computer technology to produce architectural drawings
- Organize a set of architectural drawings
- Comprehend information communicated by floor plans
- Comprehend information communicated by elevations
- Comprehend information communicated by sections
- Comprehend information communicated by wall sections
- Comprehend information communicated by construction details
- Develop construction details from design sketches

Major Topics to be Included

a. How computer technology assists in producing architectural drawings
b. How to organize a set of architectural drawings
c. Information communicated by floor plans
d. Information communicated by elevations
e. Information communicated by sections
f. Information communicated by wall sections and details
g. Information communicated by construction details
h. How to develop construction details from design sketches