

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY**  
**ARC 123 – ARCHITECTURAL GRAPHICS I (3 CR.)**

**Course Description**

Introduces techniques of architectural communication including orthographic projection and sketching as well as 3D views and modeling. Requires the manual production of plans, sections, elevations and 3D views and models of a simple building. Includes dimensioning and detailing. Part I of II. (Credit cannot be awarded for both ARC 121 and 123.) Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

**General Course Purpose**

To introduce students to the concept of drawing as a language which communicates specific information through universally recognized conventions. To familiarize students with basic methods of building construction and how architectural drawings direct actual construction.

**Course Prerequisites/Co-requisites**

None

**Course Objectives**

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

- produce simple floor plans
- produce simple elevations
- produce simple sections
- produce 3D views and sketches
- develop simple architectural details
- communicate basic components of building assembly through manual drawings, sketches and models

**Major Topics to be Included**

- a. Introduction to scale, line quality and lettering using manual drawing equipment
- b. Producing simple floor plans
- c. Producing simple elevations
- d. Producing simple sections
- e. 3D drawing and modeling
- f. Sketching
- g. Basic elements of building assembly