**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
ARC 232 – ADVANCED ARCHITECTURAL DESIGN AND GRAPHICS II (4 CR.)**

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