

## **NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY**

### **ARC 232 – ADVANCED ARCHITECTURAL DESIGN AND GRAPHICS II (4 CR.)**

#### **Course Description**

Requires development of complete set of working drawings and details according to principles and techniques of architectural drawings and procedures used in professional firms. 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: ARC 231

#### **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