NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
IDS 246 - ADVANCED CADD FOR INTERIOR DESIGN (3 CR.)

Course Description

Introduces advanced methods of designing project spaces in a computer aided design based program. Includes wire frame construction, skins, lighting the space, fly through, entourage, presentation in various oblique formats as well as one and two point perspective views. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

General Course Purpose

This course is designed for students who are interested in continuing to develop their cad skills through the use of three dimensional programs including a Building Information Modeling system.

Course Prerequisites/Co-requisites

Prerequisite IDS 245.

Course Objectives

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

- create a floor plan in a three dimensional modeling program.
- add components to the floor plan including wall, ceiling, floor, door and window assemblies.
- develop lighting schemes to aid in photorealistic rendering of the area.
- create multiple views of an interior space including elevations and perspectives.
- render the views using stock materials or materials imported from the internet.

Major Topics to be Included

a. Definition of CAD vs. Building Information Modeling (BIM)
b. Overview of basic drawing and modifying commands
c. Setting up an interior model
d. Add assemblies of doors, windows, walls, ceilings and floors to the model
e. Set up different views of the model including elevations and sections
f. Set up perspective wire frame views of the interior model
g. Light the model
h. Render the model