NVCC COLLEGE-WIDE COURSE CONTENT SUMMARY

IDS 245 - COMPUTER AIDED DRAFTING FOR INTERIOR DESIGNERS  (3 CR.)

COURSE DESCRIPTION

Provides instruction in the use of computer aided drafting and design software and architectural and engineering software for developing floor plans, elevations, perspectives, shadowing and lighting, and color applications. Lecture 1 hour. Laboratory 4 hours. Total 5 hours per week.

GENERAL COURSE PURPOSE

The purpose of a CADD class specifically for interior designers is to provide the design student with the necessary exposure in the areas relative to the work environment. The first four weeks of the class focus on a traditional drafting and design introduction (typically two dimensional drafting and design). The remainder of the course relates to the three-dimensional aspects of the interior environment. Since interior design is related to volumes of space and pictorial representations of areas, the student will learn the steps necessary to produce perspective and isometric drawings in CADD and then be introduced to the IBM RS6000 computer and its rendering applications. The lighting package on this computer allows the design of customized lighting layouts and quick-checks of these for over-lit and under-lit areas. The shadowing package completes a three-dimensional view by creating a lifelike representation of space. All of the above skills are a major part of the current interior design profession and with the appearance of the computer in almost all design firms, the student needs to be prepared for the demands of the workplace he/she is entering.

ENTRY-LEVEL COMPETENCIES

Prerequisite: IDS 105 - "Architectural Drafting for Interior Design"

COURSE OBJECTIVES

The student will be able to draft floor plans, furnish interiors on the IBM 486 and elevate and render perspectives with lighting, shadowing and color on the RS6000.

MAJOR TOPICS TO BE INCLUDED

A. Introduction to the IBM 486, and beginning computer work on 2-dimensional floor plan
B. Draw, display, and edit commands as related to 2-dimensional AutoCADD
C. Create 2-dimensional floor plans to scale
D. Finish 2-dimensional floor plans, extract and insert into RS6000 for 3-dimensional development
E. Introduction to RS6000 commands and functions
F. Develop procedures for elevations and perspectives on the RS6000
G. Elevate individual floor plans into selected views
H. Furnishing and finishes for interiors
I. Color development
J. Lighting development
K. Shade and shadow development
L. Prints and plots