NVCC COLLEGE-WIDE COURSE CONTENT SUMMARY

IDS 105 - ARCHITECTURAL DRAFTING FOR INTERIOR DESIGN (3 CR.)

COURSE DESCRIPTION

Introduces tools and equipment, lettering, methods of construction, designing and delineation of architecture. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

GENERAL COURSE PURPOSE

The purpose of this course is twofold:

A. to give the student an understanding of Residential Construction procedures in order that architectural drawings may be read and understood
B. to give the student the fundamentals and skills of architectural drafting

ENTRY LEVEL COMPETENCIES

There are no prerequisites for this course; however, IDS 100 - "Theory and Techniques of Interior Design" is recommended.

COURSE OBJECTIVES

Upon completion of this course, the student should be able to:

A. understanding Residential Construction procedures
B. demonstrate skills in reading drawings
C. demonstrate skills in drafting
D. draft a complete set of residential drawings

MAJOR TOPICS TO BE INCLUDED

A. Required text and equipment and the use of equipment
B. Fundamental techniques of designing a house
C. Topographic maps, site plans, easements, variances, public and private utilities, and locating houses on plot plans
D. Excavation and foundation work
E. Procedures of wood framing
F. Roof construction and design
G. Exterior sheathing methods
H. Window and door construction and design
I. Inking procedures
J. Heat and air conditioning design, calculations and layout
K. Design Solar and Burm construction
L. Blueprint individual drawings