

## **NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY IDS 206 – LIGHTING AND FURNISHINGS (3 CR.)**

### **Course Description**

Provides instruction in lighting terminology and calculations and instructions in techniques of recognizing quality of construction in furnishings and related equipment. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

### **General Course Purpose**

This course will provide instruction in lighting terminology, minimum lighting requirements, and overview basic lighting calculations. The characteristics and use of various types of light fixtures and lamps will be discussed. Lighting design and layout and their relationship to overall room design and color rendition will be explored. Related fixtures, furnishings and equipment will be included in project development.

### **Course Prerequisites/Corequisites**

Prerequisite: IDS 100, IDS 105 and IDS 245.

### **Course Objectives**

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

- a. Discuss the most common types of luminaires and lamps, and their appropriate use.
- b. Practice drawing techniques used for lighting presentations.
- c. Research resources for lighting fixtures and equipment.
- d. Calculate lighting requirements for various tasks using manufacturer data and IESNA standards.
- e. Document lighting concepts through light maps, program information and reflected ceiling plans.
- f. Present design concepts using sketching, hand drafting, cad and other presentation skills.

### **Major Topics to be Included**

- a. Understanding light and lighting terminology
- b. Vision
- c. Daylighting
- d. Lamps
- e. Luminaires
- f. Lighting calculations
- g. Light maps
- h. Documenting lighting requirements
- i. Residential lighting design
- j. Commercial lighting design