

Architectural Lighting Design
ID325 spring 2002
SYLLABUS

Revised Spring 2002

Class Meetings: T-TH 12:30-1:50

Location: E102

Instructor: Deborah Lowry, MS, ASID

Office: EB204

Phone: 440-4216

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Email: debbie@chaminade.edu

**Text: Gordon, G., Nuckolls, J.L., (1995), Interior Lighting For Designers, 3rd.ed.
New York: Wiley**

Foresman, The Scott Foresman Handbook for Writers.

Tool and Supplies: Lead Holder, Lead - F and H, lead sharpener, 2 - Triangles 90/45 and 90/60/30. Eraser (white), Drafting Brush, erasing shield, architects scale, 1 roll yellow tracing paper, drafting vellum 24 " roll or 24 x 36 sheets, drafting tape or dots, circle template, bathroom template, and lettering guide. Other materials may be purchased also as the class progresses such as French curves, compass and other templates.

Course Requirements: Class attendance is mandatory for successful completion of this class. Students will be graded on daily assignments (30 %) as well as two small projects (30%). Final project will consist of a notebook to be turned in at two different stages of completion (30%) Final Exam (10%).

Grading: Grading is on a percentage of point system:

A = 100-90% B = 89-80% C = 79-70% D = 69-60% F = Below 60%

Assignments: All assignments must be finished by specified date or 10 points will be deducted for each class period the project is not turned in. Electronic submission of written papers only keeps points from being deducted on the day the project is due. A hard copy of the project must be submitted as soon as possible. Each project must include; the students name, title of project, Spring 2002 and scale of drawing if applicable. **Please read assigned text and handouts before each class. Student participation in class discussion is required.**

Attendance is mandatory. Four unexcused absences may result in a failing grade. Please see the instructor if you have two unexcused absences in a row. Tardiness and leaving class early will also affect the student's final and daily grade. Absences on exam days due to illness will only be excused with proof of proper medical verification. See the advisor to make up the examination at the next class meeting. No cell phones or audible pagers will be allowed in class. Please see the CUH handbook for information on the University policies relating to student's code of conduct. This will be strictly enforced

Goals and Objectives: This course is lighting class for Interior Design students who want to gain knowledge of properly lighting interior spaces. Basic drafting and space planning skills will be utilized in this class to better understand how space is perceived when illuminated in different ways by various sources. Students will apply basic drafting, and space planning learned in previous coursework to complete reflected ceiling plans and diagrams to graphically describe their lighting solutions.

- Identify and use tools for drafting and space planning
- Use proper vocabulary and terminology relating to lighting and electricity
- Read and interpret electrical architectural working drawings
- Improve basic communication and writing skills, enhance modes of self expression, critical thinking and analysis

ID325 Class Schedule

Spring 2002

Date

Lesson Plan and Assignments (Subject to revision)

Week 1

Tuesday 1/15

Introduction to Course - Review Syllabus
Tools & Materials Introduction

Thursday 1/17

Lecture- Careers in Lighting, Professional
Organizations, Graduate opportunities

Week 2

Tuesday 1/22

Lecture History of Lighting
Lighting Handout
Examples of previous sources

Thursday 1/24

Continue discussion on handout
Lecture invention of electric bulb
First project-Fixture design
Reading assignment: Chapter 1- Perception

Week 3

Tuesday 1/29

Discuss Chapter – 1 Perception
Reading Assignment Chapter 2-Psychology

Thursday 1/31

Discuss Chapter 2, Lecture on Environment &
Behavior.
Reading Assignment- Chapter 3-Luminance

Week 4

Tuesday 2/5

Discuss Chapter 3-Luminance

Thursday 2/7

Guest Speaker Lowell Barnhardt
Lighting Designer
Reading Assignment Chapter 4 - Color

Week 5

Tuesday 2/12

Discuss Chapter 4 - Color
Class Participation in experiments
Reading Assignment- Chapter 5 – Daylight

Thursday 2/14

Light Fixture project due.
Discuss Daylight-photo examples
Reading Assignment –Chapter 6 – Incandescent
Bulbs

Week 6

Tuesday 2/19

Discuss Chapter 6 – Notebook assignment
Reading Assignment-Chapter 7-Discharge Lamps

Thursday 2/21

Discuss Chapter 7 - Examples
Class participation in experiments
Reading Assignment – Chapter 8-Auxiliary
Controls & Chapter 9 Electricity

Week 7

Tuesday 2/26

Discuss Electrical Systems for residential vs.
Commercial –Reflected ceiling plan vs. Lighting
plan.

Thursday 2/28

Mid- term Exam
Reading Assignment- Chapter 10- Light Control

Week 8

Tuesday 3/5

Discuss Light Control Chapter 10
Reading Assignment –Chapter 11-Photometrics

Thursday 3/7

Discuss Photometrics
Reading Assignment- Chapter 12-Luminaires

Week 9

Tuesday 3/12 Discuss Luminaries- First Part of notebook due, second part of assignment given.
Reading Assignment- Chapter 13- Design

Thursday 3/14 Discuss Chapter 13 - Design- Discuss lighting environments that have been observed throughout this class. (good & bad)

Week 10

Tuesday 3/19 Lighting project – plans distributed
Possible field trip on this date

Thursday 3/21 Work on project in class

Week 11

Tuesday 3/26 Spring Break- No Class

Thursday 3/28 Spring Break- No Class

Week 12

Tuesday 4/2 Work on project in class

Thursday 4/4 Work on project in class

Week 13

Tuesday 4/9 Interior Elevations

Thursday 4/11 Work on Interior elevations

Week 14

Tuesday 4/16 Work on Class Assignment

Thursday 4/18 Work on Class Assignment

Week 15

Tuesday 4/23

Present Complete New Floor Plan

Thursday 4/25

Spring Recess No Classes

Week 16

Tuesday 4/30

Turn in Final Notebook

Thursday 5/2

Review for Final

FINAL EXAM

Wednesday May 8, 12:45-2:45