



SYLLABUS | Lighting Specifications #219

INSTRUCTOR: Rachel Hulan, ASID, CID

Phone: (949) 675-4451

Email: rhulan@idi.edu

Syllabus and Course Schedule: An updated tentative outline of class lectures, assignments, discussions, and presentations will be available on the first day of class.

Course Overview

The Lighting Specifications course is designed to provide students with introductory working knowledge in the processes and requirements of creating lighting plans for residential and commercial interior applications. The student will communicate design concepts for a lighting project and can be expected, at the conclusion of the course, to have a working knowledge of the methodology and development of a residential lighting plan and a commercial reflected ceiling plan.

Additionally, the student will produce design concepts for the layout and design of portions of a residential electrical plan and a commercial power and communication plan. The lighting specifications course is not designed to fulfill the position of an electrical engineer; rather, it is designed to prepare the designer to work with an electrical engineer in satisfying electrical and lighting needs for the client.

The course will present content through a variety of discussions/lectures, mixed media, and reading assignments.

Course Objectives:

- Problem identification and solving
 - Information gathering and analysis (lighting research)
 - Acoustics
 - Office systems
 - Lighting product knowledge
 - Draft and coordinate a simple electrical, lighting, and reflected ceiling plan
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Course Policies:

- Attendance: due to the nature of this class, attendance is mandatory. Each student may have two total absences from class for personal business, illness, automotive failure, weather, etc. without penalty. Please note, however, that more than two consecutive class meeting absences or three non-consecutive absences per semester could result in you being dropped from the class.
- Late Work: 10% reduction for work turned in within a week after due date. No work accepted past that unless arranged prior to that with teacher.
- All assignments will be turned in for review and evaluation as announced. All assignments will be due at the **BEGINNING** of the class.

Class work:

- All academic work, written or otherwise, submitted by a student for a grade is expected to be the result of his/her own thoughts, research, or self-expression. Plagiarism includes reproducing someone else's work or employing or allowing another person to alter or revise the work which a student submits as his/her own. Should a student use part of, or refer to another source in the exercise, it is expected that proper credit will be given in accordance with established documentary formats. Any work submitted for a grade, which proves to be that of someone other than the individual student will receive a "0" for a grade. While online group study may occur outside of school, all work must be personalized, unless otherwise noted by the instructor.

Course correspondence:

- ALL emails MUST come from the student's IDI email address; emails received from personal accounts will not be read or replied to under any circumstances. This is a school policy - no exceptions.

Course Textbook:

[LIGHTING DESIGN BASICS](#), Mark Karlen, James R. Benya, Christina Spangler, 3rd Edition, 2017

Supplies:

- For this course you will need the following tools/supplies:
- Laptop or desktop computer and (1) mobile device
- AutoCAD

- A “scanning” application for iOS or Android devices
- The latest version of the Google Chrome Browser (for Mac or PC)
- Additional software (SketchUp for Schools, PowerPoint, or similar) to be discussed in class.

Assignments:

Project #1:	Ceiling Survey and Analysis	10 points
Project #2:	Lighting Calculations	10 points

Quizzes:

Quiz 1:	12 points
Quiz 2:	12 points
Quiz 3:	12 points

Projects:

Residential Project:

Electrical/Power Plan with Legend	10 points
Light map	10 points
Residential Lighting Plan with Schedule	10 points
Specification Submittal	10 points
Presentation Board	20 points

Commercial Project:

Electrical/Power/Furniture Plan with Legend	10 points
Reflected Ceiling Plan with Legend and Schedule	10 points

Total points possible:	160 points
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Grading Scale: A = 90% or above, B = 80-89%, C = 70-79%, D = 60-69%, F = 59% or below

