



# SYLLABUS | Lighting Specifications #219

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

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## 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

### 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 subject you to expulsion from the course: you may be dropped from the class.
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- Each student is expected to be on time for our class sessions and to remain for the full class time each day. Lateness and early departures will accumulate toward an absence (three tardy or early departure notations will equal one absence).
- Late Work: NOT ACCEPTED
- All projects will be turned in for review and evaluation as announced. All projects will be due at the **BEGINNING** of the class **VIA GOOGLE CLASSROOM** unless otherwise stated. It is better to turn in assignments/projects in whatever the condition, complete or not, and receive at least partial credit than to receive no credit at all. The instructor will alert you to the form and method of submission for all assignments and projects. Deliverables accompanied by an oral presentation must be completed on the scheduled date for credit. If you are not in attendance there can be no grade.

### Academic Dishonesty:

- 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.

### Course correspondence:

- Students may post questions to the course stream "weekly" post topic. If your question is not able to be answered via a written reply, email the instructor at [rthompson@idi.edu](mailto:rthompson@idi.edu) to arrange a brief Google Meet outside of our weekly class session. Office hours vary, so please be flexible with your availability if possible.
- 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

- A 2" - 3", (3) ring binder with 5-7 tabs
- 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: | Course Binder               | 10 points |
| Project #2: | Ceiling Survey and Analysis | 10 points |
| Project #3: | Lighting Calculations       | 10 points |

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### Quizzes:

|         |                    |           |
|---------|--------------------|-----------|
| Quiz 1: | True or False Quiz | 20 points |
| Quiz 2: | True or False Quiz | 20 points |
| Quiz 3: | True or False Quiz | 20 points |
| Quiz 4: | True or False Quiz | 20 points |

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### Projects:

|                        |   |            |
|------------------------|---|------------|
| Residential Project:   |   |            |
|                        | Electrical/Power Plan with Legend               | 10 points  |
|                        | Residential Lighting Plan with Schedule         | 10 points  |
| Commercial Project:    |   |            |
|                        | Electrical/Power/Furniture Plan with Legend     | 10 points  |
|                        | Schedules/Legends                               | 10 points  |
|                        | Reflected Ceiling Plan with Legend and Schedule | 10 points  |
|                        | Coil-bound Project Specification Booklet        | 20 points  |
| Presentation Board     |   | 20 points  |
| Total points possible: |   | 200 points |

Grading Scale: A = 200 - 180, B = 179 - 160, C = 159 - 140, D = 139 - 120