

Collin College - Continuing Education

COURSE SYLLABUS

COURSE INFORMATION

Course Number: INDS 9495

Course Title: Lighting Concepts I

Course Description: Fundamentals of lighting design, including lamps, luminaires, lighting techniques, and applications for residential and commercial projects. Provides basic understanding of vision as affected by light, color, texture, and form. Introduces basic principles of lighting design including criteria, calculations, planning, and layout.

Suggested Course Prerequisite(s): None

Course Resources: N/A

Instructor Notes: Two field trips will be planned.

Student Learning Outcomes:

1. Increase awareness of the application of lighting principles in interior design environments.
2. Research various types of architectural and decorative lighting sources.
3. Understand the impact of codes compliance, budget estimating, and project cost control methods.

Certification Notes: Interior Design Concepts Certificate Series

Next course recommendation: Color in Interior Design

Refund Policy: Please refer to www.collin.edu/ce/infoRegistrar.html for our refund policy. No refunds after the start time of the first class.

Course Sessions: Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

Lesson Plan – Topics Covered:

- What is Lighting Design?
- The Lighting Design Process
- Specific Considerations
- Project Examples
- Create a Plan
- Defining the Project
- Opening Assessment
- Setting Goals
- Determining the Scope
- Meet the Owner Occupants, architects etc.
- Identify uses of space
- Identify physical challenges (height of the ceiling, size of the space)
- Lighting goals
- Retrofit
- Redesign
- Create a lighting system plan
- Integration with day light
- Switches and dimmers
- Code Compliance path
- Lighting Levels
- Types of Luminaire
- Space by space decisions
- Reflected Ceiling Plan
- Design Development and Documentation
- Impact of Surface Reflectance

- Applications Exterior and interior

Method of Evaluation: Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

Students must complete all courses (core and no. of elective courses needed) to complete a certificate series within two years from start date of the first course taken.

Americans with Disabilities Act: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.

<http://www.collin.edu/studentresources/personal/studenthandbook.aspx>.