



IND 3431 INTERIOR LIGHTING

Department of Interior Design
College of Design, Construction and Planning
University of Florida
Spring 2016
3 Credits

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COURSE SCHEDULE M/W 6 & 7 (12:50pm – 2:45pm) 213 Arch & Studio

COURSE DESCRIPTION

Introduction to lighting design based upon critical awareness of the luminous environment, and principles and perception of light. Graphic exercises in lighting design and lighting calculations based on student design solutions.

COURSE GOALS & OBJECTIVES

As a result of this course the student will:

- Demonstrate understanding of the concepts, principles, and theories of sustainability as they pertain to building methods, materials, systems, and occupants. (CIDA standard 2a)
- Identify and define relevant aspects of a design problem (goals, objectives, performance criteria). (CIDA standard 4a)
- Gather appropriate and necessary information and research findings to solve the problem (evidence based design). (CIDA standard 4b)
- Evaluate, select, and apply information and research findings to design. (CIDA standard 4c)
- Synthesize information and generate multiple concepts and/or multiple design responses to programmatic requirements. (CIDA standard 4d)
- Have awareness of team work structures and dynamics. (CIDA standard 5a)
- Use sketches as a design and communication tool (ideation drawings). (CIDA standard 6c)
- Produce competent presentation drawings across a range of appropriate media. (CIDA standard 6d)
- Effectively apply the elements, principles, and theories of design to two & three-dimensional design solutions. (CIDA standards 9a,b)
- Demonstrate understanding of color principles, theories, and systems. (CIDA standard 10a)
- Demonstrate understanding of the interaction of light and color and the impact they have on one another and interior environments. (CIDA standard 10b)
- Understand the principles of natural and electrical lighting design. (CIDA standard 12a)
- Competently select and apply luminaires and light sources. (CIDA standard 12b)
- Read and interpret construction drawings and documents. (CIDA standard 13g)
- Have awareness of sustainability guidelines. (CIDA standard 14a)
- Demonstrate understanding of laws, codes, standards, and guidelines that impact fire and life safety, including movement: access to the means of egress including stairwells, corridors, exitways. (CIDA standard 14d)

- Select and apply appropriate federal, state/provincial, and local codes; standards; accessibility guidelines. (CIDA standards 14g,h,i)

COURSE TEXTBOOKS

Required Text:

- Jason Livingston (2014). *Designing With Light: The Art, Science and Practice of Architectural Lighting Design*. New York: John Wiley & Sons

Recommended Texts:

- Susan Winchip (2011). *Fundamentals of Lighting*. 2nd ed. New York: Fairchild Publications
- Gary Steffy (2008). *Architectural Lighting Design*, 3rd ed. New York: John Wiley & Sons
- Randall Whitehead (2008). *Residential Lighting: A Practical Guide to Beautiful and Sustainable Design*, 2nd ed. New York: John Wiley & Sons
- Mark Karlen & James Benya (2004). *Lighting Design Basics*. New York: John Wiley & Sons

COURSE ORGANIZATION

Instructional activities will include lectures, class discussions, readings, lab exercises, exams, field trip(s), and assignments that relate to your class projects and lectures. It is important that you are prepared to contribute to discussions related to the assigned readings. Studio will involve a series of exercises and projects and will relate to the lecture series. This course makes use of a field trip to Atlanta offered during the semester as part of a prerequisite course, Architectural Interiors 2 (IND 3216).

GRADING PROCEDURES

Exam 1	15%
Final Exam	25%
Exercises	25%
Projects	35%
Total	<u>100%</u>

Grading Scale

A = 93 – 100%	C = 73 – 76%
A- = 90 – 92%	C- = 70 – 72%
B+ = 87 – 89%	D+ = 67 – 69%
B = 83 – 86%	D = 63 – 66%
B- = 80 – 82%	D- = 60 – 62%
C+ = 77 – 79%	E < 60%

Exam One will cover lecture material, reading assignments, and information gleaned from the class assignments and exercises. **Final exam** will assess information from the entire semester.

Each assignment, exercise, and project - complete or incomplete - must be turned in on the due date and will be graded as they stand. Students who seek an alternative to this rule must attain permission from instructor prior to the due date. The projects will be evaluated based on what is turned in at that time. *No unexcused late project will be accepted. The late project will be given a failing grade.*

STUDENT ACCOMMODATIONS

Students requesting classroom accommodation must first register with the Disability Resource Center at University of Florida Dean of Students Office, see <http://handbook.aa.ufl.edu/policies.aspx>. The Dean of Students Office will review the case and, if appropriate, provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation.

ACADEMIC INTEGRITY AND THE UF HONOR CODE

All students at the University of Florida are expected to adhere fully to University of Florida Student Honor Code, view at <http://www.dso.ufl.edu/sccr/honorcodes/honorcode.php>. The Honor Code outlines the expectations for student conduct in regard to academic honesty. All students should review this policy to understand the range and scope of the standards and the seriousness of any infractions of the code. The policy places full responsibility on students to know and adhere to these standards for academic integrity. All examinations, quizzes, design projects, and assignments in the Department of Interior Design are subject to this policy. Maintaining strict academic integrity is a priority of the Department of Interior Design and all instructors will fully enforce the UF Honor Code in their studios and classes. A strict adherence to the Honor Code is expected by the University of Florida and reflects the ethical standards of the interior design profession.

Note:

**The instructor reserves the right to make changes in the course schedule and syllabus as required to facilitate learning. Adjustments will be made when necessary and according to the professional judgment of the instructor.*

**All work produced is property of the Department of Interior Design. Instructors will keep samples of student work. Students are advised to document work before collection.*