

LIGHTING DESIGN AND COLOR

3.21.2017

WITH STUDENT LEARNING OUTCOMES

Lighting Design and Color (ID218, 3 credits)

Course Description:

This course presents color and lighting and their interaction with visual perception and aesthetics. The effects of color choices are analyzed and applied to interior spaces. The functions of natural and artificial lighting are analyzed and critiqued as design elements, and students will transfer this information to lighting plans and specifications. Field inspection of lighting installations adds to theoretical information presented in the classroom. Students build a full scale functioning light fixtures for one of their interior design projects.

Prerequisite: Two-Dimensional Design II: Color and Drawing for Interior Design

Students will:

1. Demonstrate the knowledge of lighting principles for interior space and design basic lighting systems for use in interior design projects. (PC 3)
2. Apply techniques for illustration and specification of lighting schemes and color schemes to projects. (PC 1)
3. Design and build a custom lighting fixture for use in a design project. (PC 2,3)
4. Relate the history of natural and artificial lighting and the use of color in architecture and interior design. (PC 2)

Required Texts:

- Windchip, Susan, Fundamentals of Lighting, 2nd ed, New York: Fairchild Books, 2011.
ISBN: 978-1-60901-0867 (\$45)

Supplementary Readings: There are no supplementary readings for this course.

Supplies: Supplies are the same as Interior Design I.

- drafting table (at least 30" wide) for home use (\$50)
- roll of good quality drafting vellum 30" wide (1000H or equivalent) (\$20)
- 18" roll of inexpensive trace (\$5)
- mechanical lead holder or drawing pencils with F, H, 2H, 4H leads (\$8)
- sharpener for lead holder or pencils (\$7)
- white eraser (\$2)
- erasing shield (\$3)
- 36" T square (\$18)
- 30X60 triangle and 45X45 triangle (at least 10" long) (\$12)
- architects scale (\$8)
- drafting tape (\$5)
- dust brush (\$6)
- utility or exacto knife with blades (\$10)
- metal straight edge 24" minimum (\$9)

- adjustable triangle (\$12)
- set of about 20 color pencils: Prismacolor or equivalent with some primaries, secondaries and some neutrals (\$25)

Supplemental Supplies: There are no supplementary supplies for this course.