



COLOR AND LIGHT — IDES 2108

A. Course Description

- **Credits:** 3.00
- **Lecture Hours/Week:** 2.00
- **Lab Hours/Week:** 1.00
- **OJT Hours/Week:** 0
- **Prerequisites:** None
- **Corequisites:** None
- **MnTC Goals:** None

This course continues the study of color principles, theory and psychology, and how color affects people and interior space. Light sources, lighting systems, environmental factors and lighting design methods will also be studied. Students will investigate the dynamics of color and light in interior environments while developing knowledge of lighting techniques and their effects. Prerequisites: NONE

B. Course Effective Dates: 7/1/16 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Analyze the use of color and light
2. Apply color psychology
3. Define color terms
4. Define lighting terms
5. Demonstrate affects and associations of color
6. Demonstrate basic lighting calculations
7. Demonstrate the use of color and light
8. Evaluate environmental lighting strategies
9. Evaluate light levels
10. Explore daylighting
11. Explore layered lighting
12. Generate reflected ceiling plan
13. Identify approaches for LEED compliance
14. Identify color theorists

15. Identify light sources
16. Identify lighting controls
17. Identify luminaire types
18. Identify physiological aspects of color
19. Identify psychological aspects of color
20. Research lighting systems
21. Review color trends
22. Review photometric data
23. Specify lighting systems

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

F. Learner Outcomes Assessment

As noted on course syllabus

G. Special Information

None noted