



## LIGHTING BASICS — PHOT 1110

### A. Course Description

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

All photography makes use of some form of lighting and this course will introduce the student to both natural, ambient, and artificial lighting situations. Lighting equipment operation and use light modifiers and meters will be the main emphasis throughout this course. Lighting variables, metering techniques, and light control will be practiced by distinguishing the qualities of light in terms of direction, color, contrast, form, and intensity. This course will give the student an understanding of all types of lighting and practical hands-on experience with meters, lights, and modifiers used both in studios and on location.

### B. Course Effective Dates: 8/21/17 – Present

### C. Outline of Major Content Areas

As noted on course syllabus

### D. Learning Outcomes

1. Demonstrate 5-in-1 Reflector kit techniques
2. Demonstrate diffused lighting
3. Demonstrate light modifier use
4. Demonstrate lighting proficiency
5. Demonstrate main light techniques
6. Demonstrate specular lighting
7. Demonstrate use of electronic flash mixed with ambient light
8. Describe quartz lights
9. Diagram lighting setups
10. Explain diffusion materials
11. Identify and demonstrate fill lighting
12. Identify and demonstrate ratio lighting

13. Identify studio lights
14. Operate battery powered lights
15. Operate hot lights/constant lights
16. Operate power pack lights
17. Recognize normal or correct exposure
18. Set up and operate monoblock studio lights
19. Understand inverse square law for lighting
20. Understand shutter flash synch speeds
21. Use an on-camera flash in manual and auto modes
22. Use an on-camera flash in off-camera positions
23. Use incident light meter
24. Use remote flash triggering devices

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

**F. Learner Outcomes Assessment**

As noted on course syllabus

**G. Special Information**

None noted