



9159

PHOTOGRAPHIC LIGHTING
(11B)

30S/30E/30M

A Photography Course

9159: PHOTOGRAPHIC LIGHTING (11B)

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Course Description

This course focuses on all aspects of lighting, including lighting theory, techniques, and styles. Students will learn to safely use professional photographic lighting equipment, light modifiers, and ambient light.

Goal 1: Describe and apply appropriate **health and safety** practices.

GLO 1.1: Describe and apply appropriate **health and safety** practices.

- SLO 11B.1.1.1: Follow safety practices when using tools, equipment, and materials.
 - SLO 11B.1.1.2: Locate first aid stations and fire extinguishers.
 - SLO 11B.1.1.3: Describe the reporting process for injuries.
 - SLO 11B.1.1.4: Describe the steps used in the Right to Refuse process.
 - SLO 11B.1.1.5: Explain how and where to find information on workplace safety and health.
 - SLO 11B.1.1.6: Explain the Workplace Hazardous Material Information System (WHMIS).
 - SLO 11B.1.1.7: Match the WHMIS hazardous materials symbols and their meanings.
 - SLO 11B.1.1.8: Describe the importance of the Material Safety Data Sheets (MSDS).
 - SLO 11B.1.1.9: Give examples of safety and health hazards found in photography.
 - SLO 11B.1.1.10: Describe the importance of using Personal Protective Equipment (PPE).
 - SLO 11B.1.1.11: Demonstrate proper selection and use of a variety of PPE and fall protection systems.
 - SLO 11B.1.1.12: Outline the safety principles for working on and around electrical equipment.
 - SLO 11B.1.1.13: Outline the safety principles for working on and around cables.
 - SLO 11B.1.1.14: Outline workplace fire safety principles.
 - SLO 11B.1.1.15: Maintain a clean and organized work area.
 - SLO 11B.1.1.16: Discuss the need for safety when selecting locations for photographic assignments.
 - SLO 11B.1.1.17: Maintain an organized and safe work environment.
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Goal 2: Demonstrate awareness of the **evolution, technological progression, and emerging trends.**

GLO 2.1: Describe the **evolution, technological progression, and emerging trends.**

No applicable SLOs.

Goal 3: Identify, select, use, and manage **cameras, equipment, materials, and software.**

GLO 3.1: Identify, select, use, and manage **cameras.**

No applicable SLOs.

GLO 3.2: Identify, select, use, and manage **equipment, materials, and software.**

No applicable SLOs.

Goal 4: Demonstrate understanding of photographic **theory.**

GLO 4.1: Demonstrate understanding of the elements and principles of theory related to **composition.**

SLO 11B.4.1.1: Demonstrate understanding of the elements of composition into photographs, including

- line
- shape
- colour
- texture
- value
- space

SLO 11B.4.1.2: Demonstrate understanding of the principles and guidelines of composition into photographs, including

- proportion
- balance
- contrast
- emphasis
- motion
- perspective
- point of view
- rhythm
- pattern
- rule of thirds
- framing
- simplicity
- leading lines

- orientation
- depth of field
- background
- cropping
- golden rule

SLO 11B.4.1.3: Demonstrate understanding of layouts and builds.

SLO 11B.4.1.4: Demonstrate understanding of photographic resolution, dots per inch, and pixels per inch.

SLO 11B.4.1.5: Demonstrate understanding of design theory in their use of fonts.

GLO 4.2: Demonstrate understanding of theory related to **light**.

SLO 11B.4.2.1: Demonstrate understanding of custom white balance, the use of histograms, and the principles of high and low key photographs.

SLO 11B.4.2.2: Describe types of light modifiers and their application in photography.

SLO 11B.4.2.3: Demonstrate understanding of lighting ratios.

SLO 11B.4.2.4: Create a lighting blueprint for studio assignments.

Goal 5: Demonstrate understanding of **photographic pre-production**.

GLO 5.1: Demonstrate understanding of **photographic pre-production**.

SLO 11B.5.1.1: Analyze each photographic assignment in order to determine the lighting requirements.

SLO 11B.5.1.2: List and describe all of the lighting equipment required for each photographic assignment.

Goal 6: Demonstrate **photographic production**.

GLO 6.1: Demonstrate **outdoor photography**.

SLO 11B.6.1.1: Describe lighting equipment and materials (including reflectors and gobos) used for outdoor photography.

SLO 11B.6.1.2: Demonstrate the use of lighting equipment (including reflectors and gobos) used for outdoor photography.

SLO 11B.6.1.3: For outdoor assignments, determine lighting equipment needed and adjust the settings based on factors such as weather conditions, time of day, location, etc.

SLO 11B.6.1.4: Complete outdoor portrait photographs to required criteria, incorporating lighting equipment.

GLO 6.2: Demonstrate indoor, on-location photography.

- SLO 11B.6.2.1: Use the colour temperature of lights in degrees Kelvin to determine lighting requirements.
 - SLO 11B.6.2.2: Identify the source of the lighting found in the indoor location.
 - SLO 11B.6.2.3: Describe lighting equipment required for the indoor location.
 - SLO 11B.6.2.4: Modify the lighting settings in the indoor location.
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GLO 6.3: Demonstrate studio production.

- SLO 11B.6.3.1: Describe lighting equipment required for studio productions.
 - SLO 11B.6.3.2: Use the colour temperature of lights in degrees Kelvin to determine lighting requirements.
 - SLO 11B.6.3.3: Identify the source of the lighting found in the studio.
 - SLO 11B.6.3.4: Implement lighting blueprint.
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GLO 6.4: Demonstrate portrait photography.

- SLO 11B.6.4.1: Describe lighting equipment required for portrait photography.
 - SLO 11B.6.4.2: Use the colour temperature of lights in degrees Kelvin to determine lighting requirements.
 - SLO 11B.6.4.3: Identify the source of the lighting found in portrait photography.
 - SLO 11B.6.4.4: Modify the lighting settings in portrait photography.
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GLO 6.5: Demonstrate event photography.

- SLO 11B.6.5.1: Describe lighting equipment required for event photography.
 - SLO 11B.6.5.2: Use the colour temperature of lights in degrees Kelvin to determine lighting requirements.
 - SLO 11B.6.5.3: Identify the source of the lighting found in event photography.
 - SLO 11B.6.5.4: Modify the lighting settings in event photography.
 - SLO 11B.6.5.5: Photograph events to established criteria.
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Goal 7: Demonstrate understanding of the properties of **photographic post-production.**

GLO 7.1: Demonstrate understanding of **photographic editing.**

No applicable SLOs.

GLO 7.2: Demonstrate understanding of **hard copy photographic output.**

SLO 11B.7.2.1: Demonstrate the ability to print photographs following criteria.

GLO 7.3: Demonstrate understanding of **digital photographic output.**

No applicable SLOs.

GLO 7.4: Demonstrate understanding of **mounting and framing.**

No applicable SLOs.

Goal 8: Describe and demonstrate the transferable **cross-curricular** knowledge and skills relevant to photography.

GLO 8.1: Research, read, interpret, and communicate information relevant to photography.

No applicable SLOs.

GLO 8.2: Apply the knowledge and skills from **mathematics** relevant to photography.

No applicable SLOs.

GLO 8.3: Apply the knowledge and skills from **other subject areas** (Arts, Social Studies) relevant to photography.

No applicable SLOs.

GLO 8.4: Apply the knowledge and skills from the **sciences** relevant to photography.

SLO 11B.8.4.1: Demonstrate awareness of the science used in film-based photography.

SLO 11B.8.4.2: Demonstrate understanding of the electromagnetic spectra and its use in photography.

SLO 11B.8.4.3: Demonstrate understanding of the properties of light and their use in photography.

Goal 9: Demonstrate awareness of **sustainability** as it pertains to photography.

GLO 9.1: Describe the photography industry's **sustainability practices** and impact on the environment.

SLO 11B.9.1.1: Discuss the environmental impact of the disposal of expired digital equipment.

GLO 9.2: Describe the impact of **human sustainability** on the well-being of those employed in photography and those who use their products and services.

SLO 11B.9.2.1: Discuss the purposes of photography, and how photography can contribute to human health and well-being.

GLO 9.3: Describe **sustainable business practices** within the photography industry.

No applicable SLOs.

Goal 10: Demonstrate awareness of the **ethical and legal standards** as they pertain to photography.

GLO 10.1: Demonstrate awareness of the **ethical and legal standards** as they pertain to photography.

No applicable SLOs.

Goal 11: Demonstrate **employability skills**.

GLO 11.1: Demonstrate **fundamental employability skills**.

SLO 11B.11.1.1: Demonstrate regular and punctual attendance.

SLO 11B.11.1.2: Demonstrate the ability to communicate respectfully and effectively with teachers, supervisors, co-workers, and students.

SLO 11B.11.1.3: Demonstrate accountability by taking responsibility for their actions.

SLO 11B.11.1.4: Demonstrate adaptability, initiative, and effort.

SLO 11B.11.1.5: Demonstrate teamwork skills.

SLO 11B.11.1.6: Demonstrate the ability to stay on task and effectively use time in class and work environments.

SLO 11B.11.1.7: Demonstrate the responsible use of wireless communication devices.

GLO 11.2: Demonstrate awareness of **cultural proficiency** and its importance in the workplace.

SLO 11B.11.2.1: Discuss how different cultures relate to photography.

GLO 11.3: Demonstrate understanding of the **business operation** of a photographic business/service.

No applicable SLOs.

GLO 11.4: Demonstrate **critical thinking skills**.

No applicable SLOs

Goal 12: Demonstrate understanding of the **photography industry**.

GLO 12.1: Demonstrate understanding of the scope of the **photography industry**.

No applicable SLOs.

GLO 12.2: Demonstrate understanding of the **educational and career opportunities**, as well as the **industry and professional associations**.

SLO 11B.12.2.1: Demonstrate understanding of the scope of careers in photography.

GLO 12.3: Demonstrate understanding of **working conditions** in the photography industry.

No applicable SLOs.
