



9162

ADVANCED PHOTOGRAPHIC
LIGHTING (12B)

40S/40E/40M

A Photography Course

9162: ADVANCED PHOTOGRAPHIC LIGHTING (12B) 40S/40E/40M

Course Description

This course builds on the skills and knowledge learned in 9159 Photographic Lighting, focusing on the advanced use of professional photographic lighting. Students will use critical thinking skills to manipulate various forms of lighting to complete photographic assignments.

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

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

- SLO 12B.1.1.1: Follow safety practices when using tools, equipment, and materials.
- SLO 12B.1.1.2: Locate first aid stations and fire extinguishers.
- SLO 12B.1.1.3: Describe the reporting process for injuries.
- SLO 12B.1.1.4: Describe the steps used in the Right to Refuse process.
- SLO 12B.1.1.5: Explain how and where to find information on workplace safety and health.
- SLO 12B.1.1.6: Explain the Workplace Hazardous Material Information System (WHMIS). (TSA 13)
- SLO 12B.1.1.7: Match the WHMIS hazardous materials symbols and their meanings.
- SLO 12B.1.1.8: Describe the importance of the Material Safety Data Sheets (MSDS).
- SLO 12B.1.1.9: Give examples of safety and health hazards found in photography.
- SLO 12B.1.1.10: Describe the importance of using Personal Protective Equipment (PPE).
- SLO 12B.1.1.11: Demonstrate proper selection and use of a variety of PPE and fall protection systems.
- SLO 12B.1.1.12: Outline the safety principles for working on and around electrical equipment.
- SLO 12B.1.1.13: Outline the safety principles for working on and around cables.
- SLO 12B.1.1.14: Outline workplace fire safety principles.
- SLO 12B.1.1.15: Maintain a clean and organized work area.

- SLO 12B.1.1.16: Discuss the need for safety when selecting locations for photographic assignments.
- SLO 12B.1.1.17: Maintain an organized and safe work environment.
- SLO 12B.1.1.18: Demonstrate knife safety standards when cutting mats, photographs, and other materials.
- SLO 12B.1.1.19: Follow safety procedures when using roller (tucking in loose clothing and hair, etc.)
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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.**

- SLO 12B.2.1.1: Describe the evolution, technological progression, and emerging trends in photographic lighting.
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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.**

- SLO 12B.3.2.1: Demonstrate the use of polarizers and neutral density filters.
- SLO 12B.3.2.2: Demonstrate awareness of the use of drones in photography.
- SLO 12B.3.2.3: Demonstrate the use of booms.
- SLO 12B.3.2.4: Demonstrate the use of
- remote lighting trigger
 - multiple lights
 - three-dimensional lighting
 - soft boxes
 - light modifiers
 - light boxes
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Goal 4: Demonstrate understanding of photographic **theory**.

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

SLO 12B.4.1.1: Incorporate the elements of composition into photographs, including

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

SLO 12B.4.1.2: Incorporate 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
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GLO 4.2: Demonstrate understanding of theory related to **light**.

SLO 12B.4.2.1: Demonstrate the ability to set up and utilize three-dimensional lighting.

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

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

No applicable SLOs.

Goal 6: Demonstrate photographic production.**GLO 6.1: Demonstrate outdoor photography.**

- SLO 12B.6.1.1: Use the colour temperature of lights in degrees Kelvin to determine lighting requirements.
 - SLO 12B.6.1.2: Evaluate the source of the lighting found in the outdoor location.
 - SLO 12B.6.1.3: Describe and select the lighting equipment required for the outdoor location.
 - SLO 12B.6.1.4: Creatively modify the lighting settings in an outdoor location.
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GLO 6.2: Demonstrate indoor, on-location photography.

- SLO 12B.6.2.1: Use the colour temperature of lights in degrees Kelvin to determine lighting requirements.
 - SLO 12B.6.2.2: Evaluate the source of the lighting found in the indoor, on-location location.
 - SLO 12B.6.2.3: Describe and select lighting equipment required for indoor, on-location location.
 - SLO 12B.6.2.4: Creatively modify the lighting settings in an indoor, on-location location.
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GLO 6.3: Demonstrate studio production.

- SLO 12B.6.3.1: Use the colour temperature of lights in degrees Kelvin to determine lighting requirements.
 - SLO 12B.6.3.2: Evaluate the source of the lighting found in the studio.
 - SLO 12B.6.3.3: Describe and select lighting equipment required for studio assignments.
 - SLO 12B.6.3.4: Creatively modify the lighting settings in a studio.
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GLO 6.4: Demonstrate portrait photography.

- SLO 12B.6.4.1: Use the colour temperature of lights in degrees Kelvin to determine lighting requirements.
 - SLO 12B.6.4.2: Evaluate the source of the lighting found in the portrait assignment.
 - SLO 12B.6.4.3: Describe and select lighting equipment required for portrait assignments.
 - SLO 12B.6.4.4: Creatively modify the lighting settings for a studio assignment.
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GLO 6.5: Demonstrate **event photography**.

No applicable SLOs.

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 12B.7.2.1: 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.

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.

No applicable SLOs.

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.

No applicable SLOs.

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

SLO 12B.9.3.1: Demonstrate awareness of the need for photography businesses to create networks in order to promote their business.

SLO 12B.9.3.2: Demonstrate awareness of the need for photographers to keep their technology current.

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.

SLO 12B.10.1.1: Discuss the consequences of the fraudulent use of images.

Goal 11: Demonstrate **employability skills**.

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

SLO 12B.11.1.1: Demonstrate regular and punctual attendance.

SLO 12B.11.1.2: Demonstrate the ability to communicate respectfully and effectively with teachers, supervisors, co-workers, and students.

SLO 12B.11.1.3: Demonstrate accountability by taking responsibility for their actions.

SLO 12B.11.1.4: Demonstrate adaptability, initiative, and effort.

SLO 12B.11.1.5: Demonstrate teamwork skills.

SLO 12B.11.1.6: Demonstrate the ability to stay on task and effectively use time in class and work environments.

SLO 12B.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 12B.11.2.1: Demonstrate the ability to research a different culture in order to gain the knowledge necessary to photograph individuals from that culture in an appropriate way.

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 12B.12.2.1: Demonstrate understanding of industry and professional associations.

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

SLO 12B.12.3.1: Demonstrate understanding of the harsh working conditions which can be found in outdoor photography assignments.
