



9161

ADVANCED PHOTOGRAPHIC
EQUIPMENT (12A)

40S/40E/40M

A Photography Course

9161: ADVANCED PHOTOGRAPHIC EQUIPMENT (12A) 40S/40E/40M

Course Description

This course builds on the skills and knowledge learned in 9158 Photographic Equipment, focusing on the advanced use of professional photographic equipment. Students will use critical thinking skills to select and utilize the most appropriate equipment 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 12A.1.1.1: Follow safety practices when using tools, equipment, and materials.
- SLO 12A.1.1.2: Locate first aid stations and fire extinguishers.
- SLO 12A.1.1.3: Describe the reporting process for injuries.
- SLO 12A.1.1.4: Describe the steps used in the Right to Refuse process.
- SLO 12A.1.1.5: Explain how and where to find information on workplace safety and health.
- SLO 12A.1.1.6: Explain the Workplace Hazardous Material Information System (WHMIS). (TSA 13)
- SLO 12A.1.1.7: Match the WHMIS hazardous materials symbols and their meanings.
- SLO 12A.1.1.8: Describe the importance of the Material Safety Data Sheets (MSDS).
- SLO 12A.1.1.9: Give examples of safety and health hazards found in photography.
- SLO 12A.1.1.10: Describe the importance of using Personal Protective Equipment (PPE).
- SLO 12A.1.1.11: Demonstrate proper selection and use of a variety of PPE and fall protection systems.
- SLO 12A.1.1.12: Outline the safety principles for working on and around electrical equipment.
- SLO 12A.1.1.13: Outline the safety principles for working on and around cables.
- SLO 12A.1.1.14: Outline workplace fire safety principles.
- SLO 12A.1.1.15: Maintain a clean and organized work area.

- SLO 12A.1.1.16: Discuss the need for safety when selecting locations for photographic assignments.
- SLO 12A.1.1.17: Maintain an organized and safe work environment.
- SLO 12A.1.1.18: Demonstrate knife safety standards when cutting mats, photographs, and other materials.
- SLO 12A.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 12A.2.1.1: Describe the evolution, technological progression, and emerging trends in photographic equipment.
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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.**

- SLO 12A.3.1.1: Demonstrate understanding of the video capabilities of DSLR cameras.
- SLO 12A.3.1.2: Demonstrate the use of head cameras.
- SLO 12A.3.1.3: Research and describe the equipment required in their ideal photography business.
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GLO 3.2: Identify, select, use, and manage **equipment, materials, and software.**

- SLO 12A.3.2.1: Demonstrate the use of cameras tethered to output devices, such as laptops, tablets, televisions, etc.
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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 12A.4.1.1: Incorporate the elements of composition into photographs, including
- line
 - shape
 - colour
 - texture
 - value
 - space

SLO 12A.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**.

No applicable SLOs.

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

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

SLO 12A.5.1.1: Demonstrate the ability to prepare for an assignment, with a minimum of supervision.

Goal 6: Demonstrate **photographic production**.

GLO 6.1: Demonstrate **outdoor photography**.

SLO 12A.6.1.1: Select equipment and materials (including cameras and lenses) for outdoor photography.

SLO 12A.6.1.2: Demonstrate the use of photographic equipment in outdoor photography.

SLO 12A.6.1.3: Use manual camera settings for outdoor photography.

SLO 12A.6.1.4: Select the optimal moment to photograph outdoor assignments.

GLO 6.2: Demonstrate indoor, on-location photography.

- SLO 12A.6.2.1: Select equipment and materials (including cameras and lenses) for indoor, on-location photography.
 - SLO 12A.6.2.2: Demonstrate the use of photographic equipment for indoor, on-location photography.
 - SLO 12A.6.2.3: Use creative camera settings for indoor, on-location photography.
 - SLO 12A.6.2.4: Select the optimal moment to photograph indoor, on-location assignments.
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GLO 6.3: Demonstrate studio production.

- SLO 12A.6.3.1: Select equipment and materials (including cameras and lenses) for studio photography.
 - SLO 12A.6.3.2: Demonstrate the use of photographic equipment in studio photography.
 - SLO 12A.6.3.3: Use creative camera settings for studio photography.
 - SLO 12A.6.3.4: Select the optimal moment to photograph studio assignments.
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GLO 6.4: Demonstrate portrait photography.

- SLO 12A.6.4.1: Select equipment and materials (including cameras and lenses) for portrait photography.
 - SLO 12A.6.4.2: Demonstrate the use of photographic equipment in portrait photography.
 - SLO 12A.6.4.3: Use creative camera settings for portrait photography.
 - SLO 12A.6.4.4: Select optimal moment to photograph portraits.
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GLO 6.5: Demonstrate event photography.

- SLO 12A.6.5.1: Photograph events to industry standards.
 - SLO 12A.6.5.2: Evaluate results of each photograph and, if necessary, modify settings and reshoot.
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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 12A.7.2.1: Demonstrate colour management (profiling).

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

No applicable SLOs.

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

SLO 12A.7.4.1: Demonstrate the ability to stretch canvas.

SLO 12A.7.4.2: Demonstrate the ability to cut mats following industry standards.

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.

SLO 12A.8.2.1: Find and describe the nodal point on a camera lens in order to create panoramic shots.

SLO 12A.8.2.2: Demonstrate an understanding of the relationship between the aspect ratio and the focal length (crop sensor).

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.

SLO 12A.9.2.1: Demonstrate awareness of photography as a tool for understanding the past.

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

SLO 12A.9.3.1: Discuss what a photographic business can do to remain solvent.

SLO 12A.9.3.2: Demonstrate awareness of the purpose of marketing in the photography industry, and the need to keep it 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 12A.10.1.1: Demonstrate awareness of the use of photography in cyber-bullying and other inappropriate behaviours.

Goal 11: Demonstrate **employability skills**.

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

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

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

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

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

SLO 12A.11.1.5: Demonstrate teamwork skills.

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

SLO 12A.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.

No applicable SLOs.

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**.

SLO 12A.12.1.1: Demonstrate awareness of non-typical forms of photography (i.e., medical, construction, underwater, space, x-rays).

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

No applicable SLOs.

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

SLO 12A.12.3.1: Demonstrate understanding of the working conditions of photojournalists.
