



9157

INTRODUCTION TO
PHOTOGRAPHY (10)

20S/20E/20M

A Photography Course

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Course Description

This course is designed for students who are interested in the photography program. Students will learn photographic theory, the functions of a camera, as well as photographic editing skills and the history of photography. They will explore the use of different light sources.

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

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

- SLO 10.1.1.1: Follow safety practices when using tools, equipment, and materials.
- SLO 10.1.1.2: Locate first aid stations and fire extinguishers.
- SLO 10.1.1.3: Describe the reporting process for injuries.
- SLO 10.1.1.4: Describe the steps used in the Right to Refuse process.
- SLO 10.1.1.5: Explain how and where to find information on workplace safety and health.
- SLO 10.1.1.6: Explain the Workplace Hazardous Material Information System (WHMIS).
- SLO 10.1.1.7: Match the WHMIS hazardous materials symbols and their meanings.
- SLO 10.1.1.8: Describe the importance of the Material Safety Data Sheets (MSDS).
- SLO 10.1.1.9: Give examples of safety and health hazards found in photography.
- SLO 10.1.1.10: Describe the importance of using Personal Protective Equipment (PPE).
- SLO 10.1.1.11: Demonstrate proper selection and use of a variety of PPE and fall protection systems.
- SLO 10.1.1.12: Outline the safety principles for working on and around electrical equipment.
- SLO 10.1.1.13: Outline the safety principles for working on and around cables.
- SLO 10.1.1.14: Outline workplace fire safety principles.
- SLO 10.1.1.15: Maintain a clean and organized work area.

SLO 10.1.1.16: Discuss the need for safety when selecting locations for photographic assignments.

SLO 10.1.1.17: Maintain an organized and safe work environment.

Goal 2: Demonstrate awareness of the **evolution, technological progression, and emerging trends.**

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

SLO 10.2.1.1: Describe the invention of early cameras, and describe early photographic techniques.

SLO 10.2.1.2: Research a photographer and describe their contributions.

SLO 10.2.1.3: Differentiate between digital and film cameras.

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

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

SLO 10.3.1.1: Identify, select, use, and manage cameras.

SLO 10.3.1.2: Identify different types of cameras.

SLO 10.3.1.3: Demonstrate understanding of cameras and their functions, including

- ISO
- shutter speed
- aperture
- white balance
- modes
- sensors
- in-camera metering
- in-camera flash
- batteries and battery packs
- battery chargers
- memory cards
- lenses

SLO 10.3.1.4: Pack up and manage cameras after assignment

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

SLO 10.3.2.1: Identify, select, use, and manage equipment and materials.

SLO 10.3.2.2: Demonstrate the use of

- tripods
- lights
- light stands
- light modifiers
- props and backdrops
- posing stools and tables
- light boxes
- equipment for mounting photographs

SLO 10.3.2.3: Identify and select all equipment and materials required for a shoot.

SLO 10.3.2.4: Pack up and manage equipment and materials after photo shoots

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

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

SLO 10.4.1.1: Demonstrate understanding of the elements of composition into photographs, including

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

SLO 10.4.1.2: 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 10.4.1.3: Demonstrate understanding of layouts and builds.

SLO 10.4.1.4: Demonstrate understanding of photographic resolution, dots per inch, and pixels per inch.

SLO 10.4.1.5: Demonstrate understanding of design theory in their use of fonts.

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

SLO 10.4.2.1: Describe types of colour temperature (°K), types of light, and their application in photography.

SLO 10.4.2.2: Demonstrate understanding of light spectrum and ambient light.

SLO 10.4.2.3: Demonstrate understanding of equivalent exposure.

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

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

SLO 10.5.1.1: Demonstrate understanding of photographic assignments.

SLO 10.5.1.2: Prepare for each photographic assignment.

SLO 10.5.1.3: Investigate the location of the photographic assignment in order to locate the subject or to anticipate potential problems that might arise during the assignment.

SLO 10.5.1.4: Demonstrate awareness of aspect ratios when setting up a photograph.

Goal 6: Demonstrate **photographic production**.

GLO 6.1: Demonstrate **outdoor photography**.

SLO 10.6.1.1: Discuss how different weather conditions, the time of day, and the location affect outdoor photography.

SLO 10.6.1.2: Identify equipment and materials (including cameras and lenses) used for outdoor photography.

SLO 10.6.1.3: Discuss the need to adjust camera settings for outdoor photography.

SLO 10.6.1.4: Complete outdoor photograph assignments to established criteria.

GLO 6.2: Demonstrate indoor, on-location photography.

- SLO 10.6.2.1: Discuss how different conditions and locations affect indoor, on-location photography.
 - SLO 10.6.2.2: Identify equipment and materials (including cameras and lenses) for indoor photography.
 - SLO 10.6.2.3: Discuss the need to adjust camera settings for indoor, on-location photography.
 - SLO 10.6.2.4: Photograph indoor, on-location assignments to established criteria.
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GLO 6.3: Demonstrate studio production.

- SLO 10.6.3.1: Discuss differences between indoor location photography and studio production, including the level of control over conditions such as light, room temperature, etc.
 - SLO 10.6.3.2: Identify equipment and materials (including cameras and lenses) for studio production.
 - SLO 10.6.3.3: Discuss lighting requirements in studio production.
 - SLO 10.6.3.4: Discuss camera settings for studio production.
 - SLO 10.6.3.5: Photograph studio production assignments to established criteria.
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GLO 6.4: Demonstrate portrait production.

- SLO 10.6.4.1: Identify equipment and materials (including cameras and lenses) for portrait photography.
 - SLO 10.6.4.2: Discuss lighting requirements for portrait photography.
 - SLO 10.6.4.3: Discuss camera settings for portrait photography.
 - SLO 10.6.4.4: Discuss the need to establish rapport with photographic subjects.
 - SLO 10.6.4.5: Discuss basic posing techniques.
 - SLO 10.6.4.6: Photograph a portrait to established criteria.
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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.**

SLO 10.7.1.1: Demonstrate the following techniques using editing software (i.e., Adobe, Picasa, Gimp, photo editing plug-ins, Photomatix):

- layers
- simple edits
 - crop
 - levels
 - curves
 - sharpening
 - contrast
- selections

SLO 10.7.1.2: Manage files and folders using naming conventions.

SLO 10.7.1.3: Describe different graphic file formats.

SLO 10.7.1.4: Demonstrate understanding of file formats.

SLO 10.7.1.5: Edit photographs.

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

SLO 10.7.1.1: Demonstrate the ability to print photographs following criteria.

SLO 10.7.2.2: Demonstrate understanding of resolution and image quality as they apply to output.

SLO 10.7.2.3: Demonstrate awareness of aspect ratios when outputting photographs.

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

SLO 10.7.3.1: Demonstrate awareness of photo sharing sites.

SLO 10.7.3.2: Upload photographs.

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

SLO 10.7.4.1: Mount and frame a photograph following criteria.

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 10.8.2.1: Demonstrate understanding of fractions, decimals, ratios, and percentages and the ability to calculate them.

SLO 10.8.2.2: Convert between metric and imperial/standard systems of measurement.

SLO 10.8.2.3: Demonstrate understanding of golden triangle rules (ISO, shutter speed, aperture) and apply them.

SLO 10.8.2.4: Demonstrate understanding of exposures and calculate equivalent exposures.

SLO 10.8.2.5: Calculate resolution required for final print size.

SLO 10.8.2.6: Demonstrate understanding of similar and dissimilar ratios (i.e., 4:3, 3:2, 5:7, 4:5) in order to understand and manipulate aspect ratios.

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

SLO 10.8.3.1: Discuss the social impact of photography.

SLO 10.8.3.2: Discuss the emotional impact of photographs.

SLO 10.8.3.3: Demonstrate awareness of fine art photography.

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

SLO 10.8.4.1: Demonstrate understanding of the nature and properties of light and colour.

SLO 10.8.4.2: Compare the structure of the human eye to a camera.

SLO 10.8.4.3: Discuss how light-sensitive material has been used to create photographs.

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 10.9.1.1: Compare the environmental impact of non-digital photography versus digital photography.

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 10.9.2.1: Define human sustainability.

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.

SLO 10.10.1.1: Define ethics and discuss how they relate to photography.

SLO 10.10.1.2: Demonstrate awareness of regulations affecting photography.

SLO 10.10.1.3: Discuss the rationale behind copyright legislation.

Goal 11: Demonstrate **employability skills**.

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

SLO 10.11.1.1: Demonstrate regular and punctual attendance.

SLO 10.11.1.2: Demonstrate the ability to communicate respectfully and effectively with teachers, supervisors, co-workers, and students.

SLO 10.11.1.3: Demonstrate accountability by taking responsibility for their actions.

SLO 10.11.1.4: Demonstrate adaptability, initiative, and effort.

SLO 10.11.1.5: Demonstrate teamwork skills.

SLO 10.11.1.6: Demonstrate the ability to stay on task and effectively use time in class and work environments.

SLO 10.11.1.7: 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.

SLO 10.11.3.1: Discuss the costs of photographic equipment.

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

SLO 10.11.4.1: Discuss the need for critical thinking.

SLO 10.11.4.2: Discuss the need for problem-solving skills.

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

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

SLO 10.12.1.1: Demonstrate understanding of the scope of the photography industry.

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

SLO 10.12.2.1: Demonstrate understanding of the scope of careers in photography.

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

No applicable SLOs.
