



9163

ADVANCED DIGITAL
DARKROOM (12C)

40S/40E/40M

A Photography Course

9163: ADVANCED DIGITAL DARKROOM (12C) 40S/40E/40M

Course Description

This course builds on the skills and knowledge learned in 9160 Digital Darkroom, focusing on advanced digital editing techniques. Students will use critical thinking skills to select the most appropriate software and tools to professionally edit images to achieve desired results.

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

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

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

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

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

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

- SLO 12C.2.1.1: Describe the evolution, technological progression, and emerging trends in image manipulation software.
- SLO 12C.2.1.2: Describe the evolution, technological progression, and emerging trends in data management.
- SLO 12C.2.1.3: Demonstrate awareness of the changes in society caused by the advent of digital cameras and digital technology.
-

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 12C.4.1.1: Incorporate the elements of composition into photographs, including
- line
 - shape
 - colour
 - texture
 - value
 - space

SLO 12C.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
-

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 12C.5.1.1: Demonstrate understanding of resolution quality in order to meet the requirements of the assignment.

Goal 6: Demonstrate **photographic production**.

GLO 6.1: Demonstrate **outdoor photography**.

No applicable SLOs.

GLO 6.2: Demonstrate **indoor, on-location photography**.

No applicable SLOs.

GLO 6.3: Demonstrate **studio production**.

No applicable SLOs.

GLO 6.4: Demonstrate **portrait photography**.

No applicable SLOs.

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 12C.7.1.1: Demonstrate the following techniques using editing software (i.e., Adobe, Picasa, Gimp, photo editing plug-ins, Photomatix):

Note that various editing software use different names for these techniques.

- layers
 - filters
 - simple edits
 - crop
 - levels
 - curves
 - sharpening
 - contrast
 - selections
 - actions
 - cloning
 - bandage
 - layer masks
 - adjustment layers
 - brushes
 - typography
 - blending modes
 - RAW
 - stitching/montage
 - colour modes
 - colour space
 - light painting
 - HDR
-

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

SLO 12C.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 12C.9.3.1: Demonstrate awareness of the ways that photographers can promote their business.

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 12C.10.1.1: Discuss ethical considerations related to sensitive subject matter (i.e., content that is sexually-suggestive, illegal substances, racist, etc.).

Goal 11: Demonstrate **employability skills**.

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

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

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

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

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

SLO 12C.11.1.5: Demonstrate teamwork skills.

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

SLO 12C.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 12C.11.2.1: Demonstrate the ability to photograph an event, in a way that reflects the values of that culture.

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

No applicable SLOs.

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

SLO 12C.11.4.1: Demonstrate critical thinking skills in selecting editing software to perform a certain task.

SLO 12C.11.4.2: Demonstrate critical thinking skills in selecting editing tools.

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

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

SLO 12C.12.1.1: Demonstrate the ability to research one specific occupation within photography.

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

SLO 12C.12.2.1: Demonstrate the ability to research one specific educational opportunity within photography.

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

SLO 12C.12.3.1: Demonstrate the ability to research the working conditions in one specific occupation.
