



9160
DIGITAL DARKROOM
(11C)

30S/30E/30M

A Photography Course

9160: DIGITAL DARKROOM (11C)

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Course Description

This course focuses on basic digital editing techniques, including layout, resolution, tonal and colour correction, crop ratios, and output. Students will learn to use several types of editing software.

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

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

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

SLO 11C.2.1.1: Describe the evolution, technological progression, and emerging trends in digital darkroom.

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 11C.3.2.1: Discuss the hardware and software requirements for running editing software.

SLO 11C.3.2.2: Demonstrate awareness of the use of graphic tablets to edit photographs.

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

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

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

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

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

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

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

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

SLO 11C.4.2.1: Adjust white balance and colour correct while editing photographs.

SLO 11C.4.2.2: Utilize histograms to analyze tonal range within the photograph.

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

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

SLO 11C.5.1.1: Discuss the limitations of photo editing and that photographs need to be of a certain quality in order to be properly edited.

SLO 11C.5.1.2: Discuss the conditions under which pictures must be re-edited.

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 11C.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

SLO 11C.7.1.2: Modify the elements of composition into photographic edits.

SLO 11C.7.1.3: Incorporate the principles and guidelines of composition into photographic edits.

SLO 11C.7.1.4: Incorporate layouts and builds into photographic edits.

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

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

SLO 11C.7.2.2: Consider editing features when printing photographs.

SLO 11C.7.2.3: Consider resolution and format when editing a photograph that will be printed.

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

SLO 11C.7.3.1: Consider resolution and format when editing a photograph that will be uploaded.

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

SLO 11C.7.4.1: Consider resolution and format when editing a photograph that will be mounted or framed.

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.

SLO 11C.8.1.1: Research, read, interpret, and communicate information relevant to photo editing.

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

SLO 11C.8.2.1: Apply the knowledge and skills from mathematics relevant to photo editing.

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 11C.8.4.1: Explain how prints are made by manipulating the additive and subtractive colour systems.

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.

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 11C.10.1.1: Avoid the unethical or illegal copying of images.

SLO 11C.10.1.2: Provide references for all copied images.

SLO 11C.10.1.3: Discuss the use of public domain and royalty-free images.

Goal 11: Demonstrate **employability skills**.

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

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

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

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

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

SLO 11C.11.1.5: Demonstrate teamwork skills.

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

SLO 11C.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 11C.11.2.1: Discuss cultural sensitivities related to editing.

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 11C.11.4.1: Demonstrate critical-thinking skills related to editing.

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

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

SLO 11C.12.1.1: Demonstrate understanding of the editing portion of the industry.

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

SLO 11C.12.2.1: Demonstrate understanding of the educational and career opportunities in editing.

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

SLO 11C.12.3.1: Demonstrate understanding of working conditions in editing.
