



South Central College

ART 140 Digital Photography

Common Course Outline

Course Information

Description Introduction to the conceptual, technical and historical aspects of photography as a creative medium using digital technology within the fine arts context. Students study camera operation and techniques, composition and design, digital image capture, related software, and digital output. This class also utilizes the computer as a digital darkroom to enhance photographic images. Projects provide students with an understanding of how photographs function, not only technically, but also visually and conceptually. Students must have a digital camera; (variable F. Stop and shutter speed needed) Textbook and other supplies will also be required. (MNTC 6: Humanities and Fine Arts)

Total Credits 3

Types of Instruction

Instruction Type

Classroom Presentation

Credits/Hours

Pre/Corequisites

Prerequisite None

Institutional Core Competencies

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

1. Explain the development of photography from film to the digital format.

Linked External Standards

6a - Demonstrate awareness of the scope and variety of works in the arts and humanities.

6b - Understand those works as expressions of individual and human values within a historical and social context.

6c - Respond critically to works in the arts and humanities.

6e - Articulate an informed personal reaction to works in the arts and humanities.

Learning Objectives

Explain the early development of film photography.

Explain the development of digital photography.
Differentiate the advantages and disadvantages of using film and digital photography

2. Apply proper camera settings to create a digital photograph.

Linked External Standards

6d - Engage in the creative process or interpretive performance.

Learning Objectives

Apply the automatic control feature to create a digital image.
Apply the program control feature to create a digital image.
Apply the sports mode control feature to create a digital image.
Apply the landscape control feature to create a digital image.
Apply the portrait control feature to create a digital image.

3. Differentiate proper manual camera adjustments for shutter and aperture settings

Linked External Standards

6d - Engage in the creative process or interpretive performance.

Learning Objectives

Apply shutter settings to change the exposure and motion control in a digital image.
Apply aperture settings to change the exposure and depth of field.
Apply both shutter and aperture settings together to create an image that could not be made without the two used simultaneously.

4. Apply proper manual camera settings for image focus and sharpness.

Linked External Standards

6d - Engage in the creative process or interpretive performance.

Learning Objectives

Create an image using focus control to accentuate the subject of the image.
Create an image using focus control to take attention off a subject in the image.
Create an image using the sensitivity control to increase the sharpness of the image.
Create an image using the sensitivity control to decrease the sharpness of the image.

5. Apply proper composition in digital photographs.

Linked External Standards

6d - Engage in the creative process or interpretive performance.

Learning Objectives

Apply the rule of thirds in a photograph.
Apply the golden section rule in a photograph.
Apply the diagonal rule in a photograph.

6. Select proper digital file types for photographic applications.

Linked External Standards

6d - Engage in the creative process or interpretive performance.

Learning Objectives

Choose the proper usage for a jpg file type.
Choose the proper usage for a gif file type.
Choose the proper usage for a bmp file type.

7. Apply proper digital photographic management.

Linked External Standards

6d - Engage in the creative process or interpretive performance.

Learning Objectives

Create a proper digital storage area for digital images.
Organize digital images to provide easy access.
Create proper electronic backups of digital images.

8. Edit digital images with an image editor.

Linked External Standards

6d - Engage in the creative process or interpretive performance.

Learning Objectives

Change the contrast of a digital image.
Change the brightness of a digital image.
Change the color balance of a digital image.
Change the gamma of a digital image.
Edit out unwanted information in a digital image.
Insert extra information into a digital image.

9. Select different focal lengths of a camera lens to achieve different effects in a digital photograph.

Linked External Standards

6d - Engage in the creative process or interpretive performance.

Learning Objectives

Create an image using a short focal length lens.
Create an image using a normal focal length lens.
Create an image using a long focal length lens.

10. Apply proper lighting for a range of environments.

Linked External Standards

6d - Engage in the creative process or interpretive performance.

Learning Objectives

Create an image using available light.
Create an image using on camera flash.
Create an image using off camera lighting (flash and/or incandescent light).
Create an image changing the normal white balance to create a desired effect.

11. Apply proper video camera settings to create digital video footage for broadcasting.