



South Central College

ART 180 Digital Photography 2

Course Outcome Summary

Course Information

Description This course will introduce the student to both the practical and theoretical application of controlling the digital photographer's most important tool, light. The course will deal with, through the use of light modifying devices and software, how to control the direction, quantity, quality, ratio and color of light for both outdoor (natural) and indoor (existing) light. Students enrolled in this course will study advanced lighting techniques, contemporary practices and theories in digital photography. Students will work with intermediate and advanced digital imaging software. This course will emphasize the student's development of individual artistic voice applied in a portfolio of digital photographic images. Students enrolling in this course are required to supply their own digital camera, tripod, image editing software, and lighting equipment as specified in the course syllabus. Image editing software will also be available for use in the open computer lab at South Central College's North Mankato campus.

Total Credits 3

Total Hours 48

Types of Instruction

Instruction Type

Classroom Presentation

Credits/Hours

Pre/Corequisites

Completion of a basic digital photography class such as ART 140 or equivalent course work/experience.

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. **Apply proper control of the direction of light in a photographic application.**

Learning Objectives

Manipulate light to give the main subject front lighting.

Manipulate light to give the main subject side lighting.
Manipulate light to give the main subject back lighting.

2. Apply proper control of the quantity of light in a photographic application.

Learning Objectives

Manipulate light to give the main subject full lighting in a photograph.
Manipulate light to give the main subject partial lighting in a photograph.
Manipulate light to give the main subject focused lighting with gobos and snoots.

3. Apply proper control of the quality of light in a photographic application.

Learning Objectives

Manipulate light to give the main subject low key lighting.
Manipulate light to give the main subject middle key lighting.
Manipulate light to give the main subject high key lighting.
Manipulate light to give the main subject butterfly lighting.
Manipulate light to give the main subject soft lighting.
Manipulate light to give the main subject hard lighting.

4. Manipulate the color of light in a photographic application.

Learning Objectives

Manipulate light by using color filters on a light source to change/correct color balance of a digital image.
Manipulate light by using camera controls to change/correct color balance of a digital image.
Manipulate light by using imaging software to change/correct color balance of a digital image.

5. Control the ratio/contrast of light in a photographic application.

Learning Objectives

Produce a digital photograph with a lighting ratio of 1:1.
Produce a digital photograph with a lighting ratio of 1:2.
Produce a digital photograph with a lighting ratio of 1:3.
Produce a digital photograph with a lighting ratio of 1:4.

6. Operate electronic strobe systems to produce properly exposed photographic images

Learning Objectives

Manipulate an electronic strobe's power to modify the output of light.
Utilize an electronic strobe's guide number to find out it's maximum light output.
Utilize the electronic system of a DSLR camera to accurately measure and produce the proper light output of an electronic strobe for a given scene.
Utilize two to three electronic strobes simultaneously to produce a properly exposed photographic image.

7. Edit digital images with an image editor.

Learning Objectives

Change the contrast and contrast of a digital image.
Change the tone curve of a digital image.
Change the color balance, hue, saturation and luminance 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.

8. Apply proper digital photographic management.

Learning Objectives

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

9. Manipulate digital images to produce High Dynamic Range Images (HDR).

Learning Objectives

Prepare 3-5 photographic images of a scene at different exposures in 1-2 stop increments.
Produce an initial HDR image with 3-5 photographic images of a scene in preparation for tone mapping and/or

exposure blending.

Produce a final HDR with tone mapping and/or exposure blending.

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.