

SAN DIEGO COMMUNITY COLLEGE DISTRICT
COLLEGE OF CONTINUING EDUCATION
COURSE OUTLINE

SECTION I

SUBJECT AREA AND COURSE NUMBER

COMM 650

COURSE TITLE

DIGITAL PHOTOGRAPHY

TYPE COURSE

NON-FEE

VOCATIONAL

CATALOG COURSE DESCRIPTION

This course is an introduction to the basic concepts of photography and digital camera operation. The focus is to provide the fundamentals of digital photography and covers how to use the features of a digital camera. Basic knowledge and skills to prepare a student for a career as a freelance photographer are provided. The focus is to provide the fundamentals of digital photography and covers how to use the features of a digital camera. (FT)

LECTURE/LABORATORY HOURS

20

ADVISORIES

NONE

RECOMMENDED SKILL LEVEL

- Possess a 10th grade reading level
- Ability to communicate effectively in the English language

INSTITUTIONAL STUDENT LEARNING OUTCOMES

1. Social Responsibility
SDCCE students demonstrate interpersonal skills by learning and working cooperatively in a diverse environment.
2. Effective Communication
SDCCE students demonstrate effective communication skills.
3. Critical Thinking
SDCCE students critically process information, make decisions, and solve problems independently or cooperatively.

INSTITUTIONAL STUDENT LEARNING OUTCOMES (CONTINUED)

4. Personal and Professional Development
SDCCE students pursue short term and life-long learning goals, mastering necessary skills and using resource management and self-advocacy skills to cope with changing situations in their lives.

COURSE GOALS

1. Learn photography techniques that will result in taking higher quality photos
2. Learn how to apply rules of composition that will give photos professional presentation
3. Become familiar with camera features and settings
4. Learn how to transition from auto mode to manual mode to obtain more control of photos in camera results.

COURSE OBJECTIVES

Upon successful completion of the course, the student will be able to:

1. Identify the fundamentals of photography
2. List features and capabilities of digital cameras
3. Identify different types of digital cameras, lens types, and memory cards
4. Demonstrate aesthetic and technical effects of shutters, aperture and International Standards Organization, (ISO) settings
5. Identify and set the camera to different focus modes and points
6. List the elements of composition
7. Differentiate the advantages and disadvantages of shooting in Joint Photographic Experts Group (JPEG) and RAW (digital negative)
8. List photo processing and editing tools

SECTION II

COURSE CONTENT AND SCOPE

1. Getting Started with Digital Photography
 - 1.1. Benefits of photography
 - 1.2. Formula for taking great photos
 - 1.2.1. Camera
 - 1.2.2. Time
 - 1.2.3. Effort
 - 1.2.4. Knowledge
 - 1.3. Digital camera history
 - 1.3.1. First digital Camera
 - 1.4. Types of photographers
 - 1.4.1. Professional
 - 1.4.2. Enthusiast
 - 1.4.3. Social Media

COURSE CONTENT AND SCOPE (CONTINUED)

- 1.5. Types of Digital Cameras
 - 1.5.1. Phone camera
 - 1.5.2. Pro-sumers/Bridge camera
 - 1.5.3. Digital Single Lens Reflex
 - 1.5.4. Compact Mirrorless Interchangeable Lens Camera (MILC)
 - 1.5.5. Drone Camera
- 1.6. Types of Viewfinders
 - 1.6.1. Optical
 - 1.6.2. Electronic/Digital
 - 1.6.3. Liquid Crystal Display
- 1.7. Photo resolution
 - 1.7.1. Megapixels
 - 1.7.2. Print size
2. Memory Card Types, Camera Frame Sizes, Camera Menus, and Focus Modes
 - 2.1. Memory Card Types
 - 2.1.1. Secure Digital
 - 2.1.2. CompactFlash
 - 2.1.3. Memory Stick
 - 2.1.4. xD-Picture Card
 - 2.2. Digital camera frame sizes
 - 2.2.1. Focal Length Multiplier
 - 2.2.2. Sensor Size
 - 2.2.3. Full Frame
 - 2.3. Camera icons and menus
 - 2.3.1. Identify camera icons
 - 2.3.2. Explore camera menus
 - 2.3.3. Hands-on camera setup and configuration
 - 2.4. Focus Modes
 - 2.4.1. Single
 - 2.4.2. Auto
 - 2.4.3. Continuous
 - 2.4.4. Focus Points
 - 2.4.5. Burst/continuous shooting
 - 2.4.6. Using a tripod/monopod
3. Elements of Composition, Shooting Modes, ISO, and Exposure
 - 3.1. Elements of composition
 - 3.1.1. Rule of thirds
 - 3.1.2. Shooting effective landscape photography
 - 3.1.3. Shooting effective portraits
 - 3.2. Shooting modes
 - 3.2.1. Fully automatic
 - 3.2.2. Shutter priority
 - 3.2.3. Aperture priority
 - 3.2.4. Program mode
 - 3.2.5. Full manual mode
 - 3.3. ISO

COURSE CONTENT AND SCOPE (CONTINUED)

- 3.3.1. Definition
- 3.3.2. Why it should be monitored
- 3.3.3. Effects of high ISO
- 3.4. Exposure
 - 3.4.1. Effects of over exposure
 - 3.4.2. Effects of under exposure
 - 3.4.3. Exposure metering methods
 - 3.4.4. Types of light meters
 - 3.4.5. Using Histogram
- 4. White Balance, Lens Types, Flash, and File Formats
 - 4.1. White balance
 - 4.1.1. Auto
 - 4.1.2. Daylight
 - 4.1.3. Cloudy
 - 4.1.4. Shade
 - 4.1.5. Tungsten
 - 4.1.6. Fluorescent
 - 4.1.7. Flash
 - 4.2. Lens types and focal lengths
 - 4.2.1. Prime lens
 - 4.2.2. Zoom lens
 - 4.2.3. Variable vs constant aperture lens
 - 4.2.4. Effects of different focal lengths
 - 4.3. Using a flash
 - 4.4. Digital camera file formats
 - 4.4.1. JPG
 - 4.4.2. RAW
- 5. Self-timer, Filters, High Dynamic Range (HDR), and Photo Enhancing
 - 5.1. Using self-timer
 - 5.2. Filters
 - 5.2.1. Polarizing
 - 5.2.2. Ultraviolet
 - 5.3. Shooting HDR
 - 5.4. Introduce photo enhancement & post-processing tools

APPROPRIATE READINGS

Reading assignments may include, but are not limited, to assigned readings from textbooks, supplemental reading assignments, industry-related periodicals or magazines, manuals, online help pages, articles posted on the Internet, and information from websites, online libraries, and databases. Topics should be related to Digital Photography and include camera specific videos that show features of current digital cameras.

OUTSIDE ASSIGNMENTS

Outside assignments may include, but are not limited, to having the student shoot outdoor sporting events, landscapes, portraits, or similar scenarios using their camera and lens while utilizing skills acquired throughout the course.

APPROPRIATE ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING

Assignments which demonstrate critical thinking may include, but are not limited to, applying correct settings, aperture, shutter, and ISO for both landscape and portrait photographs. Additionally, the student may be required to switch to an appropriate file type based on photo editing workflow and also change focal point and exposure metering.

EVALUATION

Evaluation that a student has met the course competencies will include multiple measures of performance related to the course objectives. Evaluation methods may include, but are not limited to performance in a variety of activities and assignments, such as completing a research project individually or in a group, hands-on projects, class participation, written and practical tests, attendance and punctuality.

Upon successful completion of all courses in the program, a Certificate of Program Completion will be issued.

METHOD OF INSTRUCTION

Methods of instruction may include, but are not limited to, lecture, open discussion, hands-on demonstrations, computer-assisted instruction, or field trips. Students will also be expected to participate in online class discussion posts, in-class discussions, and project reviews.

This course, or sections of this course, may be offered through distance education.

TEXTS AND SUPPLIES

The Digital Photography Book, Scott Kelby, Rocky Nook, current edition

Web Resources:

<https://www.dpreview.com/>

Supplies: A digital camera with lens and appropriate storage media such as memory cards

PREPARED BY Robert Lee DATE January 5, 2022

REVISED BY _____ DATE _____

Instructors must meet all requirements stated in Policy 3100 (Student Rights, Responsibilities and Administrative Due Process) and the Attendance Policy set forth in the College of Continuing Education Catalog.

REFERENCES:

San Diego Community College District Policy 3100
California Community Colleges, Title 5, Section 55002
College of Continuing Education Catalog