

COURSE OUTLINE

Digital Photography 1

Course Description

ID 115. Digital Photography 1. 3 credit hours. Prerequisite: ID 101 with a C or better or concurrent enrollment. This course will enable the student to use digital cameras and other photographic equipment as tools for visual communication and expression. The student will gain a working knowledge of the following: how digital cameras capture and process images; studio lighting and flash use; the principles of photographic composition; how to manage digital assets; and how to publish digital images for print, online, and digital exhibition.

Required Materials

For complete material(s) information, refer to <https://bookstore.butlercc.edu>

Subscription to Adobe Creative Cloud. Butler Community College is an Adobe Creative Campus and all students are able to download the Adobe Creative Cloud for free and use it as long as you are a registered student. Please see the External Software Page in your introductory module in your classes Canvas modules.

Portable storage device (portable hard drive

recommended) Earbuds/headphones for lab use

Digital camera with the capability to shoot in manual and automatic mode. A minimum of 15 megapixel is encouraged. A recent model cell phone will be acceptable.

Butler-Assessed Outcomes

The intention is for the student to be able to do the following:

1. Capture original photographic images that demonstrate the use of critical concepts and processes involved in digitally capturing, publishing, and displaying images.
2. Use professional photo editing software to process images in a digital darkroom workflow.
3. Edit or improve digital photographic images at a basic level.

Learning PACT Skills that will be developed and documented in this course

Through involvement in this course, the student will develop ability in the following PACT skill area(s):

Technology Skills

- Discipline-specific technology – Through the production of original photographic compositions, the student will demonstrate skills in the field

of digital imagery.

Major Summative Assessment Task(s)

These Butler-assessed Outcome(s) and Learning PACT skill(s) will be demonstrated by the following:

1. Creating and presenting a digital and print portfolio that demonstrates competence in camera use, image manipulation, lighting, and visual communication.

Learning Units

- I. Digital cameras
 - A. Use and capabilities
 - B. Lenses
 - C. Meta and EXIF Data
 - D. Memory card options
- II. File formats
 - A. JPG
 - B. TIFF
 - C. RAW
- III. Settings and resolution
 - A. Camera resolution settings
 - B. Automatic vs. manual
 - C. Subject matter control
- IV. Exposure
 - A. ISO and “film speed”
 - B. F-stops – focal length and aperture
 - C. Shutter speeds
 - D. Depth of field
- V. Light
 - A. Onboard vs. studio lighting
 - B. White balance
- VI. Composition
 - A. Rule of thirds
 - B. Posing and composition
- VII. Digital image manipulation and post processing
 - A. Photoshop techniques
 - B. Lightroom techniques
 - C. Adobe bridge for organization and effectiveness
- VIII. Image output and printing
 - A. Images printing
 - B. Digital output for high resolution
 - C. Digital output for web resolution

D. Images optimization

Learning Activities

Learning activities will be assigned to assist the student in achieving the intended learning outcomes through lectures, class discussion, team research, individual research, readings, viewing tutorials and study material, quizzes, tests, and other activities at the discretion of the instructor. These activities may be either face-to-face or online.

Grade Determination

The student will be graded on the learning activities and assessment tasks. Grade determinations may include the following: class participation, projects, team and individual participation, research assignments, quizzes, tests, and other activities at the discretion of the instructor.