Common Course Outline
ARTD 114
Digital Photography I
3 Semester Hours

Community College of Baltimore County

Description

ARTD 114 – 3 Credits – Digital Photography I explores the basics of digital camera operation, digital image capture, and the electronic output of photographic images for both screen-based and printed media. Students work through a series of technical and creative projects that provide a strong foundation in the hardware, software and techniques associated with digital photographic imaging. Students are required to provide a digital camera with adjustable shutter speeds and aperture.

3 credits; 2 lecture hours per week; 3 laboratory hours per week.

> **Prerequisites: ENGL 052 or ESOL 052 and RDNG 052 or ESOL 054 or permission of program coordinator.**

Overall Course Objectives

Upon completion of this course the student will be able to:
1. operate a digital camera using both automatic and manual exposure controls;
2. describe the relationship between device resolution and image quality;
3. use a flatbed scanner to digitally capture reflective copy;
4. scan negatives and transparencies using a high-resolution film scanner;
5. transfer digital files to electronic storage media;
6. use available light manipulators such as scrims and fill cards;
7. use fill-in flash in high contrast lighting situations;
8. distinguish between CMYK and RGB color space and convert images across same;
9. crop, scale and color correct images for print and electronic publication;
10. perform basic image retouching using image editing software;
11. create a sequential electronic slide show;
12. produce a digital contact sheet; and
13. create monochrome/duotone images from RGB digital files.

Major Topics

    I. Optical vs. interpolated resolution when using digital capture hardware
    II. Manual and automatic camera exposure controls
    III. Camera resolution settings
    IV. Downloading and archiving image files
    V. Effective use of available light manipulators
    VI. Portraiture using fill-in flash
    VII. Macro photography
    VIII. Creating a photographic series
    IX. Architectural exteriors
    X. Working with film and reflective art scanners
    XI. Color correcting and enhancing photographs using image manipulation software
    XII. Calibrating printers and imaging systems for accurate and predictable results

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member but will include the following:

A mid-term and final written exam.
A portfolio of 12-15 images based on course lectures and assignments.

Writing: The individual faculty member will determine specific writing assignments.

Other Course Information

This course is a foundation/core course within the Institute of Art, Design, and Interactive Media. Individual faculty members may include additional course objectives, major topics, and other course requirements to the minimum expectations stated in the Common Course Outline.

Revised: 5/17/19