

Common Course Outline

PHTO 107

Digital Photography I

3 Semester Hours

The Community College of Baltimore County

Description

PHTO 107 – 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.

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

Prerequisite: Exemption from or successful completion of RDNG 052 or LVR 2

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;
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 required course in the Photography/Imaging degree and certificate programs within Computer Graphics and Visual communication.

This course is taught in a computerized environment.

Individual faculty members may include additional course objectives, major topics, and other course requirements to the minimum expectations stated in the Common Course Outline.

The Community College of Baltimore County is committed to providing a high-quality learning experience that results in growth in knowledge, attitudes, and skills necessary to function successfully as a transfer student, in a career and as a citizen. To accomplish this goal, we maintain high academic standards and expect students to accept responsibility for their individual growth by attending classes, completing all homework and other assignments, participating in class activities and preparing for tests.

We take seriously our responsibility to maintain high-quality programs and will periodically ask you to participate in assessment activities to determine whether our students are attaining the knowledge, attitudes and skills appropriate to various courses and programs. The assessment activities may take many different forms such as surveys, standardized or faculty-developed tests,

discussion groups or portfolio evaluations. We ask that you take these activities seriously so that we can obtain valid data to use for the continuous improvement of CCBC's courses and programs.