

Washtenaw Community College Comprehensive Report

PHO 127 Digital Photo Imaging I

Effective Term: Fall 2014

Course Cover

Division: Business and Computer Technologies

Department: Digital Media Arts

Discipline: Photography

Course Number: 127

Org Number: 14530

Full Course Title: Digital Photo Imaging I

Transcript Title: Digital Photo Imaging I

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Time Schedule , Web Page

Reason for Submission:

Change Information:

Other:

Rationale: Please include this course in those approved as meeting the computer literacy general education requirement.

Proposed Start Semester: Winter 2014

Course Description: In this course, students will be introduced to digital photographic imaging using Photoshop. Through a variety of hands-on assignments, students explore ways of working with photographs on the computer. Emphasis is placed on establishing solid foundation skills in digital photographic imaging such as resolution control, effective digital workflows, and print and web output options. PHO 111 must be taken as a prerequisite or concurrently.

Course Credit Hours

Variable hours: No

Credits: 4

Lecture Hours: Instructor: 45 **Student:** 45

Lab: Instructor: 45 **Student:** 45

Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 90 **Student:** 90

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

No Level Required

Requisites

Prerequisite

PHO 111 minimum grade "C-"; may enroll concurrently

General Education

General Education Area 7 - Computer and Information Literacy

Assoc in Arts - Comp Lit
Assoc in Applied Sci - Comp Lit
Assoc in Science - Comp Lit

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Use digital cameras, computer hardware, and computer software to perform digital workflows inclusive of image capture, resolution and file format control, editing in Photoshop, and output of images to print and web.

Assessment 1

Assessment Tool: Final portfolio

Assessment Date: Fall 2014

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 75% of the students will score at a competent or higher level in all areas of measurement.

Who will score and analyze the data: Full-time photography faculty.

2. Create aesthetically interesting images using Photoshop to enhance, correct, and combine images.

Assessment 1

Assessment Tool: Final portfolio

Assessment Date: Fall 2014

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 75% of the students will score at a competent or higher level in all areas of measurement.

Who will score and analyze the data: Full-time photography faculty.

Course Objectives

1. Properties of Light: Identify the physical properties of light as they apply to digital imaging devices and workflow. Experience the differences in how the physical properties of light interact with human vision vs. digital devices. Identify the color temperature of various light sources by means of the Kelvin scale.

Matched Outcomes

2. Computer Operations: Apply navigation, file management, transfer and storage procedures. Use computer hard/software vocabulary. Identify a computer's internal hardware components that affect color image processing productivity. Use built-in and/or portable hard drives, removable storage media, CD burning and network transfer of digital data. Use various file formats based on a specific end-user need to view, such as TIF, PSD, JPG, DNG, RAW, etc.

Matched Outcomes

3. Digital Photographic Input: Shoot photographs with a digital SLR using a variety of aesthetic and technical elements. Shoot photographs with the specific intent of collage and/or composite work. Perform a flatbed scan using appropriate resolution and file format settings. Compare flatbed scan quality to digital camera capture. Identify issues affecting the quality and accuracy of scan and digital camera captures. Identify the advantages and disadvantages of each image input system.

Matched Outcomes

- Digital Image Enhancement: Enhance the aesthetic appeal of images by controlling image density, contrast, color and cropping. Identify and use appropriate file size, image size, bit depth and resolution settings. Experience a photographic retouching workflow. Make global and local adjustments to images by means of layers and layer masking techniques. Process Camera RAW files. Prepare and optimize files for electronic publishing. Prepare and optimize files for inkjet and/or service bureau output devices.

Matched Outcomes

- Digital Photographic Output: Compare and contrast output options for photographic images. Identify optimum physical printing devices. Produce inkjet prints using appropriate color management settings in Photoshop and the printer driver. Publish photographs to the web using appropriate file settings and format.

Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Computer workstations/lab

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Jennifer Baker</i>	<i>Faculty Preparer</i>	<i>Nov 14, 2013</i>
Department Chair/Area Director: <i>Kristine Willimann</i>	<i>Recommend Approval</i>	<i>Dec 10, 2013</i>
Dean: <i>Rosemary Wilson</i>	<i>Recommend Approval</i>	<i>Dec 19, 2013</i>
Vice President for Instruction: <i>Bill Abernethy</i>	<i>Approve</i>	<i>Feb 10, 2014</i>