Las Positas College
3000 Campus Hill Drive
Livermore, CA 94551-7650
(925) 424-1000
(925) 443-0742 (Fax)

Course Outline for PHTO 66

DIGITAL IMAGING

Effective: Fall 2018

I. CATALOG DESCRIPTION:
PHTO 66 — DIGITAL IMAGING — 3.00 units

The course covers desktop digital imaging systems including editing software, scanning, camera use, and digital printing. Students will learn to use devices for image capture, storage, output, how to apply traditional photographic controls to enhance image quality in the digital medium, and to digitally manipulate images using digital editing software.

1.50 Units Lecture 1.50 Units Lab

Grading Methods:
Letter or P/NP

Discipline:
  • Photography

	MIN
Lecture Hours:	27.00
Expected Outside of Class Hours:	54.00
Lab Hours:	81.00
Total Hours:	162.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: 1

III. PREREQUISITE AND/OR ADVISORY SKILLS:

IV. MEASURABLE OBJECTIVES:
Upon completion of this course, the student should be able to:
   A. Use the basic Macintosh operating system
   B. Apply intermediate level functions found in image editing and image processing software
   C. Operate film scanners, color and black-and-white printers, film recorders, and other peripheral devices
   D. Visualize and process photographic images suitable for efficient manipulation on a computer system
   E. Explain the role of service bureaus in the digital imaging industry
   F. Operate on a local area network
   G. Produce a digital negative using an inkjet printer to make a contact print in a chemical dark room

V. CONTENT:
   A. Macintosh operating system (or system with equivalent functionality)
   B. Image processing/editing software
   C. Peripheral devices for image import, storage, and output
   D. File management and translation
   E. Visualization and image design
   F. Exposure and development of photographic film to enhance image quality in the digital medium
   G. Service bureaus
   H. Local area networks
   I. Digital negatives, traditional prints, and contact prints

VI. METHODS OF INSTRUCTION:
   A. **Projects** -
   B. **Lecture** -
   C. **Demonstration** -
   D. **Guest Lecturers** -
   E. **Lab** -
   F. **Observation and Demonstration** -
   G. **Field Trips** -
   H. Use of computer system and software

VII. TYPICAL ASSIGNMENTS:
   A. Make all necessary corrections in digital editing software to create a set of 11" x 14" prints.

B. Digitize multiple unaltered film images and blend into collaged single image.
C. Create a photograph including incongruities and/or humorous elements.
D. Create an image which combines natural and artificial lighting.
E. Convincingly alter a classic or historic photographic image.
F. Create a series of images that tell a narrative.
G. Create a digital negative.

VIII. EVALUATION:
    A. **Methods**

        1. Exams/Tests
        2. Quizzes
        3. Portfolios
        4. Projects
        5. Field Trips
        6. Class Participation
        7. Class Work
        8. Home Work
        9. Lab Activities
      10. Other:
            a. Classroom critiques after each assignment in which students work with instructor to determine at least five criteria appropriate to the given assignment and apply them to oral critique of photographs submitted.
            b. Print generation
    B. **Frequency**

        1. Weekly class critiques
        2. Two written quizzes or exams per semester
        3. One field trip
        4. One porfolio
        5. Seven projects
        6. Daily class participation, work, and lab activities
        7. Weekly home work
        8. Weekly generation of prints

IX. TYPICAL TEXTS:
    1. Freeman, Michael . *The Photographer's Eye Digitally Remastered.* 10th ed., Focal-Press-Rutledge, 2018.
    2. Faulkner, Andrew , and Conrad Chavez. *Adobe Photoshop CC Classroom in a Book.* 1 ed., Adobe Press, 2018.

X. OTHER MATERIALS REQUIRED OF STUDENTS:
    A. DSLR camera
    B. Digital media SD card
    C. 35 mm camera
    D. Thumb drive or external hard drive