

Approval Dates:

Division 9/15/93CRC 10/4/93Board of Trustees 10/21/93

**MISSION COLLEGE  
ASSOCIATE DEGREE CREDIT COURSE OUTLINE**

**SECTION I Course Data**

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COURSE NUMBER	COURSE TITLE	UNITS
GRART 064	Photoshop Digital Imaging	3.0

LECTURE HOURS (PER WEEK)	LAB HOURS (PER WEEK)
2.0	3.0

CREDIT / NO CREDIT OPTION  YES  NOMAY THIS COURSE BE REPEATED?  YES  NO; How many times? 1RECOMMENDED FOR CREDIT BY EXAMINATION?  YES  NO**CATALOG COURSE DESCRIPTION**

This course introduces students to digital photography using Adobe Photoshop. Students will learn to scan photos and manipulate them using Photoshop tool box and special effects filters. They will learn to color correct photos; mask images using channels; create duotone, tritone, and quadtone images; prepare photos for color separation for use in a printshop environment.

**DESCRIPTION FOR THE SCHEDULE OF CLASSES**

This is a beginning Adobe Photoshop course. Students will learn to manipulate photographic images using the sophisticated tools and filters found in this program.

**ACCEPTABLE FOR TRANSFER CREDIT:**California State University; Yes  No University of California; Yes  No  (Check Yes to apply for UC transferability.)**PREREQUISITE**

GRART 063, Recommend eligibility  
for ENGL 108A

**COREQUISITE****ADVISORY**

**SECTION II Course Content**

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**A. COURSE CONTENT AND SCOPE**

**1. STUDENT COURSE OBJECTIVES**

Upon completion of this course, a student will be able to:

- a. Create a bitmapped file using the painting tools in the Photoshop toolbox.
- b. Build a preference file to set defaults for the program.
- c. Scan photographs directly to a Photoshop file.
- d. Import scanned images into Photoshop and use the toolbox and filters to manipulate them.
- e. Add bitmapped type to a file.
- f. Import EPS and TIFF files and manipulate them.
- g. Correct the color of a scanned image for use in a publication.
- h. Create duotone, tritone, and quadtone images from a black and white image.
- i. Create and use channels for electronic masking and working on multiple levels.
- j. Save files in various file formats appropriate for proofing and/or for color separation.

**2. OUTLINE OF TOPICS TO BE ADDRESSED IN COURSE BY INSTRUCTOR**

- a. Using selection tools effectively
- b. Using the Photoshop toolbox and special effects filters
- c. Working with digital photographs, i.e., saving and compressing large files
- d. Using a scanner to capture images
- e. Working with type in Photoshop
- f. Importing files from various software programs and manipulating them in Photoshop
- g. Creating a color photograph from a black and white scan; making duotone and tritone images
- h. Correcting four-color images digitally
- i. Creating channels and paths for image manipulation; and control

**B. TITLE V REQUIREMENTS**

**1. APPROPRIATE READINGS AND TEXTBOOKS**

**a. TEXTBOOKS**

Students will have a minimum of one chapter per week of reading assignments from college level text, Copyright 1993 Adobe Systems Incorporated, Adobe Photoshop Classroom in a Book, Shepard Poorman Communications, Indianapolis, Indiana.

**b. READINGS/OTHER**

In addition, they will read articles related to digital photography from trade magazines such as "Publish" on a weekly basis.

**2. WRITING ASSIGNMENTS, DEMONSTRATION OF ABILITY TO USE SYMBOL SYSTEMS OR DEMONSTRATION OF ABILITY TO APPLY SKILLS LEARNED IN THE COURSE.**

Writing assignments will include writing an analysis of techniques used for image manipulation on a variety of photographic examples. Through lab assignments, students will apply skills learned in the course using digital photographic manipulation techniques and they will prepare their images for output or separation, i.e., color correcting a photo changing it from a warm to a cool image.

**3. APPROPRIATE OUTSIDE ASSIGNMENTS**

- a. Students will read from the text and articles, i.e., Canon's New Still Video Cameras, by Harold Martin, "Print Magazine."
- b. Students will analyze selected samples of digital photography, i.e., samples taken from magazines such as "print Photography Annual" will be analyzed and discussed.
- c. Students will color correct stock and scanned photographs, i.e., change stock photo from monochromatic tint to full color photo.
- d. Students will collect samples that illustrate principles learned in the course.

**4. APPROPRIATE ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING.**

- a. In learning how to digitally manipulate photos for printing, students will have to analyze digital data from various scanned formats, determine and use the manipulation techniques that best fit each image, and determine file formats that are best suited for printing.
- b. Students will learn how to interpret and explain data and adapt information to make correction for final proof or separation.
- c. Students will learn about the various software programs that are used to alter photographs and they will evaluate and choose which ones are best to solve their photographic problems.

**5. CULTURAL PLURALISM; Yes X Not applicable \_\_\_\_\_**

Cultural pluralism is encouraged through group and paired learning activities with classmates from various cultures. Contemporary photography is heavily influenced by eastern and Latin cultures. These influences will be discussed and evaluated during lectures and discussion. through participation in class projects students will be required to incorporate multi-cultural styles into their work.

**6. METHOD OF INSTRUCTION;**

Lecture <u>X</u>	Laboratory <u>X</u>	Discussion <u>X</u>
Self Paced _____	Individualized <u>X</u>	Computer Assisted <u>X</u>
Collaborative Groups <u>X</u>	Other (Please explain) <u>Printed material/samples. Field trips and guest lectures</u>	

**7. STUDENT EVALUATION**

Students will be evaluated on: 1) a portfolio demonstrating their performance on lab and outside assignments; 2) collection of samples that demonstrate the different principles learned in the course; 3) quizzes; 4) a mid-term exam and final project, and 5) class participation.



. **CLASSIFICATION OF COURSE FOR MAJOR AND/OR GENERAL EDUCATION**

No, this course is not for a major

No, this course is not General Education

Yes, I wish to use the course in a specific major and will fill out the supplemental **Form M**.

Yes, I wish to apply for GE And will fill out the supplemental **Form G**.

**SECTION III Course Support**

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**NEEDS ASSESSMENT**

Digital photography has become the "wave of the future" within the graphic arts community. The traditionally trained craftsperson is now performing these same tasks using personal computers and output devices that have greatly streamlined the camera/darkroom processes.

To perform darkroom tasks electronically, it is necessary that operators have background training in graphic arts photography. This training comes in the form of performing the tasks first by traditional methods, then by 'making the jump' to computer systems to perform similar tasks. Most shops do not have an in-house training program to instruct employees in the proper use of digital photography systems.

In a recent Printing Technology Advisory Committee meeting, members of the committee urged the Graphic Arts program to offer instruction in digital photography. As our program strives to keep pace with the modern industry, this is a natural progression for us to follow as we have been teaching traditional methods for many years. We have chose Adobe Photoshop as a software to teach students because it continues to be identified as the industry standard for photo retouching and manipulation. The committee members pledged their support in the following ways: our program has recently received donations of film, digital photography software, and a color output proofing system to be used in digital photography instruction.

This class represents the future for our students seeking employment in darkroom occupations. it will move our program in the same notable graphic arts programs as the one at Cal Poly in San Luis Obispo has taken in offering digital photography instruction. With such a course, Mission College will be the only accredited school in the Bay Area to offer digital photography classes from a graphic arts perspective.

**DISCIPLINE AREA**

Graphic Arts, Graphic Design

**RESOURCES NEEDED OR ANTICIPATED**

Access to computer lab

Audio/visual equipment

Software programs in electronic image assembly

(Note: Software used in this course is already owned by the college; future upgrades will be necessary. The department has purchased most recent upgrades with department funds and will continue to upgrade their copies as needed. The college computer lab will need to

**GRART 064**

upgrade their copies in the future. These costs may be shared by other departments using the software in the computer lab.  
Appropriate samples and modules.

GRART 064

**PLAN FOR EVALUATION OF COURSE**

The Advisory Committee for the Graphic Arts program will be informed at the end of each academic semester about the course content and asked for input regarding updates and necessary changes to keep pace with the changing trends of the industry. The instructor will evaluate the course at the end of each semester using student evaluations and surveys. Colleague evaluation will be done once every school year. The department faculty will perform on-going research to evaluate the value of continuing to offer this course.

PREPARED BY: Lin Marelick DATE 9/14/93

CURRICULUM COMMITTEE DIVISION REPRESENTATIVE Anna Szabados DATE 1993

**THIS OUTLINE MUST BE SUBMITTED WITH AN APPROPRIATE SIGNATURE FORM.**

**Revised  
2/18/97**