

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

 X Transfer Course X A.A. Degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE: GC142 Digital Imaging/Photoshop 3

UNIT VALUE: 3.0

MINIMUM NUMBER OF SEMESTER HOURS: 96

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills

ENTRANCE REQUIREMENTS

PREREQUISITE: None

COREQUISITE: None

RECOMMENDED PREPARATION: GC 140

SCOPE OF COURSE: The concepts of advanced digital imaging with Adobe Photoshop for creating and preparing images for electronic distribution. Advanced methods of editing in all venues of digital media for visual communications.

SPECIFIC COURSE OBJECTIVES:

Successful students will

- a. Explain advanced techniques for optimization of images.**
- b. Demonstrate color management control with Photoshop**
- c. Demonstrate advanced uses of the application as a production tool**
- d. Demonstrate advanced creative uses of the application**
- e. Demonstrate advanced level of digital editing skills**
- f. Apply the principles of color theories**
- g. Demonstrate object oriented and digital files in collaboration**
- h. Demonstrate the ability to create graphics for the web**
- i. Demonstrate advanced uses of digital imaging capturing devices.**
- j. Demonstrate the concepts to develop steps in project planning.**
- k. Identify quality control needs for export files**
- l. Demonstrate safe use of the equipment**

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

1. image optimization

- a. Dynamic range**
- b. Zone control of images**
- c. Numeric control of images**
- d. Quality control of images**

2. color management control

- a. types of images and bit depth**
- b. color space**
- c. device characterization**
- d. color correction and balance**

3. advanced levels of image editing

- a. five interfaces for control**
- b. advanced layer concepts**
- c. advanced effects**
- d. advanced typography**

4. advanced production workflow

- a. workflow requirements for publishing**
- b. workflow requirements for web**
- c. workflow requirements for digital imaging**
- d. workflow requirements for new media**

5. advanced creative solutions with digital approaches

- a. layer functions and creative uses**
- b. painting variables and creative uses**
- c. design principles**
- d. layer functions and creative uses**

7. existing image sources and copy write

- a. royalty- free sources**
- b. copy write and licenses**
- c. public domain**

8. object and vector functions

- a. drawing and creating with vector art**
- b. combining illustration programs and digital programs**

9. Project Planning

- a. research**
- b. planning**
- c. sketching**
- d. designing and developing**
- e. testing**
- f. production**

10. image types for communications

- a. designing effective images**
- b. target communications and image content**
- c. image styles and types, repurposing images**
- d. quality control of images**

REQUIRED READING:

Haynes, Barry. Photoshop Artistry , Indianapolis, IN , 2001

SUGGESTED READING:

EPI Magazine

Digital Imaging Magazine

Design Graphics Magazine

REQUIRED WRITING:

Two written assignments(2 pages), two written reports (1 page) on independent research

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes.

Field trips to two commercial sites, read text, study lecture notes and complete online exams

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

DISTANCE LEARNING:

This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply:

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students): 50% Assignments

10% exams

10% notebook
30% creative assignments

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes _____ No X Number of times course may be taken for credit: 1

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

CONTACT PERSON: Neil Bruington

SIGNATURES ON FILE