

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

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

COURSE NUMBER AND TITLE: GC 145

Photoshop Digital Imaging part 1

UNIT VALUE: 1.5

MINIMUM NUMBER OF SEMESTER HOURS: 48

BASIC SKILLS REQUIREMENTS:

Appropriate language and computational skills

ENTRANCE REQUIREMENTS

PREREQUISITE: none

COREQUISITE: none

RECOMMENDED PREPARATION: none

SCOPE OF COURSE:

Introduction to digital imaging systems with Photoshop for Graphic Communications and Multimedia. Emphasis on basic and intermediate features and functions of Photoshop with a primary focus on preparing and using optimized images for the web. Special projects facilitate the needs of more advanced students.

SPECIFIC COURSE OBJECTIVES:

The successful student will be able to:

1. Maintain facility safety and cleanliness.
2. Identify types of color
3. Operate one scanning input device with Photoshop.
4. Apply principles of basic color correction with Photoshop.
5. Apply principles of basic image manipulation using Photoshop.
6. Identify quality control concep.
7. Identify properties of paper that influence color.
8. Operate laser output devices.
9. Identify digital file requirements for Multimedia.
10. Index color for Multimedia use.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Basic Principals of Color Reproduction Using Photoshop
 - A. Spot color
 - B. Mechanical color (synthetic color)
 - C. Pantone color matching system(Laboratory experience with each concept)

- II. Deconstruction of Ad layout
 - A. Text – creation and placement
 - B. Images – manipulation, color correction and placement
 - C. Use of Layers

- III.. Color Quality Control Using Photoshop
 - A. Tone correction
 - B. Sharpness parameters
 - C. Color correction
 - D. Gray balance
 - E. Ideal tone reproduction curves(Laboratory experience on each color control concept)

- V. Color Evaluation
 - A. Measuring instruments
 - B. Color evaluation and lighting

- VI. Color Images
 - A. Eight bit
 - B. Twenty-four/Thirty-two bit
 - C. Screen selection
 - D. Positive or Negative(Laboratory experience with each concept)

- VII. File Management
 - A. Formats
 - B. Instructions
 - C. Version numbers(Preparation of sample file)

- VIII. Role of Color Proofing
 - A. Customer approval
 - B. Compatibility
 - C. Evaluation of color proofs
 - D. Proofing systems

- IX. Paper Influence on Color Publishing
 - A. Color
 - B. Brightness
 - C. Texture
 - D. Coated
 - E. Uncoated
 - F. Newsprint(Written evaluation of samples)

- X. Color Page Layout
 - A. Merging images

- B. Overprints/Dropouts
- C. Import of images
- XI. Laser CCD Output Devices
 - A. Color proofing
 - B. Laser plain paper
 - C. Laser photographic paper
 - D. Copy evaluation
- XII. File Preparation for Multimedia
 - A. Index color
 - B. Formats
 - C. Size requirements

REQUIRED WRITING:

- **Create three ad layouts using the features and functions learned in class.**
- **Two or three page report on an Internet theme to provide context for experiential production exercises and projects**
- **Weekly Analysis of at least one printed ad or magazine / newspaper layout.**

OUTSIDE ASSIGNMENTS:

- **Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments.**
- **Students are to read text, study lecture/lab notes, research and write required paper, and complete lab assignments.**
- **Students are to prepare class and project notebooks.**
- **Students will work on research and complete written assignments, study required text, complete handouts and spend time on own computer or in open lab completing computer assignments.**
- **Students will post questions and answers to our Web Board Conference.**

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% Final Presentation**
- 5% Written Assignments**
- 40% Assignments**
- 5% Exams**

GRADING SCALE

1000-900	A
899-800	B
799-700	C
699-600	D
599-below	F

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

Yes No

Number of times course may be taken for credit: **4**

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

58161(c)(2)(A)

CONTACT PERSON: Lillian Payn

SIGNATURES ON FILE