

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

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

COURSE NUMBER AND TITLE: PHOT 230 Digital Darkroom

UNIT VALUE: 3.5

MINIMUM NUMBER OF SEMESTER HOURS: 112

BASIC SKILLS REQUIREMENTS: Appropriate Language Skills

ENTRANCE REQUIREMENTS

PREREQUISITE: PHOT 100 and GC 140 or equivalent

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

Introduction to the technology of digital (electronic) photography using traditional and digital cameras, the computer, and industry standard imaging software as the primary photographic processing and manipulation tools. Continuing instruction in digital image processing directed toward photographic output. Exploration of capabilities and use of the “digital darkroom”. CSU

SPECIFIC COURSE OBJECTIVES:

The student will:

1. Demonstrate ability to use electronic imaging software.
2. Discuss and describe expanding visual awareness.
3. Demonstrate ability to use current computer hardware.
4. Create hard copy photographic images for portfolio presentation.
5. Demonstrate an awareness of basic photographic principles underlying the new technologies and the ability to apply these interdisciplinary principles in the sciences and fine arts.
6. Display competence in digital imaging.
7. Blend traditional photographic processes with new digital technologies to achieve hybrid expansion of personal vision.
8. Recognize contributors from diverse cultures and backgrounds to contemporary electronic imaging.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Introduction to digital imagemaking technology.
 - A. Electronic imaging terminology.
 - B. History and development of current technologies.
 - C. Future directions in technological advances.
- II. Computer and Photographic imaging hardware.
 - A. CPU requirements.
 - B. Scanners.
 - C. Printers.
 - D. Digital Cameras
- III. Computer imaging software
 - A. Comparison of existing image editing software.
 - B. (Adobe *Photoshop*) menus and tools.
- IV. Photographic image input
 - A. Film, Print, Digital
 - B. Optimal scanning
- V. Digital photographic editing
 - A. Levels and Curves.
 - B. Image Clean-up
 - C. Perspective corrections
 - D. Layers and adjustment layers
 - E. Sharpening
 - F. Dodging and burning techniques
 - G. Brushes
- VI. Color
 - A. Color Theory
 - B. Color balance
 - C. Hue and saturation
- VII. Selection Controls
 - A. Feather, invert, grow, similar, border, etc.
 - B. Setting selection parameters
- VIII. Filters and special effects
 - A. Adding textures, shadows, layering, halation, etc.
 - B. Blends and montage
 - C. Third-party additions and plug-ins.
- IX. Black and white considerations
 - A. Conversion from color to black and white
 - B. Colorizing B&W images
 - C. Creating black and white negatives
- X. Photographic image output
- XI. Interface of art and science
 - A. Relevance and relationship of technology to aesthetics and creative art.
 - B. Reproduction and marketing issues.

REQUIRED READING:

Evening, Martin. Adobe Photoshop for Photographers. London, Focal Press, 2002.

SUGGESTED READING:

Caponigro, John Paul. Adobe Photoshop: Master Class. Berkeley: Peachpit Press, 2001.

Blatner, D. Real World Photoshop. Berkeley: Peachpit Press, 2002.

Davies, A. Digital Imaging for Photographers. London, Focal Press, 2001.

REQUIRED WRITING:

Skill demonstration is an appropriate substitute for required writing in a studio type photo production class. Students are required to produce photographic images for the class assignments.

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.

Three hours of study including; reading text and handouts, library and internet other background research, reviewing lecture notes, and computer practice will be required for each two hours in the classroom.

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):

Hardcopy images created from assignments	30%
Tests, multiple choice, essay, T/F	20%
Final portfolio	40%
Participation	10%

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

Yes X No _____ Number of times course may be taken for credit: 2

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: Robert Barry X2385

SIGNATURES ON FILE