

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: PHOT 105 Intermediate Black and White Photography

UNIT VALUE: 3.5

MINIMUM NUMBER OF SEMESTER HOURS: 112

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills

ENTRANCE REQUIREMENTS

PREREQUISITE: PHOT 100

COREQUISITE:

RECOMMENDED PREPARATION:

SCOPE OF COURSE: This course continues the study of the art and techniques associated with black and white photography. Problems relating to small and medium format camera systems and optics will be identified and compared. Further refinement in darkroom procedures and aesthetics will be explored.

SPECIFIC COURSE OBJECTIVES:

1. Demonstrate a working knowledge of small and medium format camera systems, including lenses, exposure, film processing and printing.
2. Compare, contrast and analyze photographic images for quality and content using such evaluative measures as print quality, exposure, composition and aesthetic quality.
3. Define the capabilities of small and medium format camera systems for creative and communications purposes in various aspects of the photographic industry.
4. Identify and problem solve special photographic situations including: existing light, flash light, filters, toning for effect, and close-up photography.
5. Compare and analyze the potentials between various black and white film and developer combinations.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

I. Film

- A. Negative quality**
 - 1. Characteristics of a high-quality negative
 - 2. Judging negative quality visually
 - 3. Measuring negative quality - densitometry
 - 4. Characteristic Curves – The Basics
 - 5. Subject-luminance range
 - 6. Contrast
- B. Photographic properties of film**
 - 1. Spectral sensitivity
 - 2. Filters and filter-factors
 - 3. Color-sensitivity classifications
 - a. blue-sensitive
 - b. orthochromatic
 - c. panchromatic
 - 4. Reciprocity characteristics
 - 5. Image structure characteristics
 - a. granularity
 - b. resolving power or resolution
 - c. sharpness
 - 6. Film speeds
 - 7. Exposure latitude
- C. Physical properties of film**
 - 1. Emulsions
 - 2. Film bases
 - 3. Antihalation properties
- D. Choosing a film**
 - 1. Size and application
 - a. 35mm films
 - b. roll films
 - c. sheet film
 - 2. Emulsion characteristics
 - a. continuous-tone films
 - b. high-contrast films
 - c. special purpose films
 - a. infrared
 - b. chromogenic black and white
- E. Processing Black and White Films**
 - 1. What developers do
 - 2. Dilution
 - 3. Developer characteristics (on film)
 - 4. Developer formulation
 - 5. Understanding time-temperature tables

II. The print

- A. Review of basic printing techniques**
 - 1. brightness controls
 - 2. contrast controls
 - 3. dodging and burning

- B. Fiber-based printing paper
 - 1. paper surface
 - 2. paper weight
 - 3. paper tone
 - 4. processing
- C. Enlarging systems
 - 1. condenser
 - 2. diffusion
- D. Toning prints for effect and permanence
- E. Intermediate printmaking controls
 - 1. flashing paper
 - 2. black borders
 - 3. printing color negatives in black and white
 - 4. perspective correction in the enlarger
 - 5. split filtering
- F. Working with variable-contrast paper
- G. Working with selective contrast paper (graded)

III. Lenses

- A. Normal focal length
 - 1. advantages and disadvantages
 - 2. applications
- B. Short focal length
 - 1. advantages and disadvantages
 - 2. applications
- C. Long focal length
 - 1. advantages and disadvantages
 - 2. applications
- D. Close-up lenses / close-up tools
 - 1. advantages and disadvantages
 - 2. applications
- E. Perspective correction lenses
 - 1. advantages and disadvantages
 - 2. applications

IV. Aesthetics

- A. Review of compositional elements
 - 1. vantage point
 - 2. the frame
 - 3. perspective and foreshortening
- B. Lighting
 - 1. existing light
 - 2. flash light
 - 3. quality and direction
- C. Displaying photographs
 - 1. matting and mounting techniques
 - 2. matting and mounting materials
 - 3. framing

- V. Special photographic problems
 - A. Push-processing
 - B. Reciprocity failure
 - C. Tripods and cable release
 - D. The photographic essay
 - E. Working with medium format cameras and roll film
 - F. Copy stand techniques

REQUIRED READING: London, Upton, Kobre and Brill. Photography. Seventh Edition. Prentice Hall, Upper Saddle River, NJ. 2002.

SUGGESTED READING: Eastman Kodak Company. Kodak Professional Black-and-White-Films. Publication F-5. Silver Pixel Press, Rochester, NY. 1998.

REQUIRED WRITING:

Written review, two pages in length (double-spaced, approximately 12 point font size), about photographs seen at a museum or gallery exhibition, or, about a specific photographer's work or, a particular process, invention or aspect of photography that the student finds particularly interesting.

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.

Reading assignments and photographic assignments occur outside the class following lectures which have introduced the subject assignment and objectives to the student. Reading, writing and outside assignments amount to over three hours per week per unit.

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):

Assignments are graded on the following criteria:

1. Assignment objectives met as stated by the instructor and/or the assignment sheet.
2. Print quality / technical excellence.
3. Image content.
4. Presentation
5. Aesthetics

Course grade based on:

Photo assignments	60% of final grade
Tests, Written reviews	30% of final grade
Participation / critiques	10% of final grade

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: Paul Stachelek x2966 or Robert Barry x2385

SIGNATURES:

SIGNATURES ON FILE