

Las Positas College
3000 Campus Hill Drive
Livermore, CA 94551-7650
(925) 424-1000
(925) 443-0742 (Fax)

Course Outline for PHTO 60

BLACK & WHITE MATERIALS & PROC

Effective: Spring 1999

I. CATALOG DESCRIPTION:

PHTO 60 — BLACK & WHITE MATERIALS & PROC — 3.00 units

Using exposure/development controls related to black and white negative materials. Development of intermediate/advanced print making skills. Emphasis on visual and critical problems related to black and white photography.

2.00 Units Lecture 1.00 Units Studio Lab

Prerequisite

PHTO 50 - Introduction to Photography
with a minimum grade of C

Grading Methods:

Letter Grade

Discipline:

	<u>MIN</u>
Lecture Hours:	36.00
Studio Lab Hours:	72.00
Total Hours:	36.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: 1

III. PREREQUISITE AND/OR ADVISORY SKILLS:

Before entering the course a student should be able to:

A. PHTO50

IV. MEASURABLE OBJECTIVES:

Upon completion of this course, the student should be able to:

1. be able to demonstrate familiarity with exposure and development controls applied to black and white materials;
2. know the various types of black and white films including exposure/development relationships;
3. be able to operate specialized printing controls, including contrast control, processing variations, and the use of chemical additives to processing solutions to improve print quality;
4. be able to evaluate print quality and presentation effectiveness;
5. know the various types of papers, such as warm and cold tone, as well as the general characteristics of black and white film emulsion;
6. be familiar with archival processing and be able to describe the techniques for processing for permanence.
7. be able to demonstrate visual skills of black and white photography including composition and black and white aesthetics.

V. CONTENT:

- A. Exposure and development controls.
 1. Personal film speed determination
 2. Standard film developing expansions and contractions
 3. Critical metering
 4. Exposure placement
- B. Basic sensitometry
 1. Characteristic curves of film
 2. Density and exposure control
 3. Film and developer combinations
- C. Filters
 1. Contrast filters
 2. Filter factors
- D. Printing refinements
 1. Localized contrast control
 2. Flashing
 3. Masking

- E. Print Quality
 - 1. Paper selection and characteristics
 - 2. Basic print finishing and presentation
- F. Photo chemistry
 - 1. Compounding developers and fixers
 - 2. Modifying print developers
 - 3. Chemical additives
 - 4. Toning
- G. Archival processing
 - 1. Choice of chemicals
 - 2. Toning
 - 3. Choice of mounting materials
 - 4. Storage and care of prints
- H. Black and white films
 - 1. Film types
 - 2. Film characteristics
 - 3. Uses
- I. Visual skills
 - 1. Advanced composition
 - 2. Black and White aesthetics
 - 3. Contemporary Black and White images
- J. Portfolio production
 - 1. Print editing
 - 2. Mounting and presentation

VI. METHODS OF INSTRUCTION:

- A. **Lab** - demonstration
- B. Audio/visual materials
- C. Selected readings
- D. In-class critique
- E. **Lecture** -

VII. TYPICAL ASSIGNMENTS:

A. Create a "nine-negative test" of a studio still life with 3 pieces of bulk film, one normally developed, one over-developed, and one under-developed. Make a good full total range print of each of the nine shots. B. Experiment with the various toners and with hand coloring techniques in production of five different prints based on one negative. C. Shoot the same scene with at least five different filters and produce the best resulting print. D. Using three different focal length lenses, shoot the same urban streetscape. With each lens explore the range depth-of-field focus, with intent of each being an excellent composition. E. Collect and provide written critiques on examples of excellent photography based on criteria developed in class discussions.

VIII. EVALUATION:

- A. **Methods**
- B. **Frequency**

IX. TYPICAL TEXTS:

- 1. The Ansel Adams Guide Basic Techniques of Photography, Book 2 by John Schaefer

X. OTHER MATERIALS REQUIRED OF STUDENTS:

- A. Black/white Film - Kodak Plus-X, Kodak Tri-X, Kodak T-Max 100, or TFP-4
- B. Photo paper - Mitsubishi RC, 8"x10" glossy, or Ilford Multigrade RC 8"x10" glossy
- C. An anti-static cloth, or a blower brush or hurrican blower
- D. Negative pages (one for each roll of film you shoot)
- E. A pair of cotton gloves
- F. An absorbent cotton hand towel