

Las Positas College
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Course Outline for PHTO 64A
ARTIFICIAL LIGHT PHOTOGRAPHY
Effective: Fall 2010

I. CATALOG DESCRIPTION:

PHTO 64A — ARTIFICIAL LIGHT PHOTOGRAPHY — 3.00 units

Photography using light sources selected and manipulated by the photographer. Use of light sources in a controlled situation to achieve technically accurate renditions of subject matter and to make successful visual statements. Lighting techniques for product, still life and portrait photography.

2.00 Units Lecture 1.00 Units Studio Lab

Prerequisite

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

PHTO 56 - Introduction to Digital Photography
with a minimum grade of C

Grading Methods:

Letter or P/NP

Discipline:

	MIN
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
- B. PHTO56

IV. MEASURABLE OBJECTIVES:

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

1. explain how various light sources affect black and white and color photographic materials;
2. explain practical and theoretical differences between various light sources;
3. demonstrate an ability to use various artificial light sources to produce well crafted and visually successful photographic images;
4. produce studio photographs of products and objects faithfully rendering them in the photographic image in black and white as well as in color;
5. demonstrate the use of electronic flash in the studio and in field situations;
6. produce portraits using various light patterns and posing.

V. CONTENT:

- A. Color temperature
 1. Artificial light source
 2. Use of filters
 3. Daylight and tungsten films
- B. Calculating exposure
 1. Light meter techniques
 2. Use of gray card
 3. Lighting ratios
- C. Electronic flash
 1. Studio units
 2. Portable flash units
 3. Use of flash meter

- 4. Flash accessories
- D. Basic studio lighting for products
 - 1. Light sources
 - 2. Reflector cards
 - 3. Modifying light sources
 - 4. Composition
- E. Basic portrait lighting
 - 1. Rembrandt
 - 2. Butterfly
 - 3. Loop
 - 4. Split
- F. Posing
 - 1. Classical formal posing
 - 2. Informal posing
 - 3. Candid posing
- G. Outdoor portraits
 - 1. Exposure techniques
 - 2. Fill flash
 - 3. Use of reflectors
 - 4. Background selection
- H. Creative application of artificial lighting
 - 1. Mood
 - 2. Form
 - 3. Texture

VI. METHODS OF INSTRUCTION:

- A. Utilization of audio/visual materials
- B. **Guest Lecturers** - and laboratory demonstration
- C. Selected readings
- D. In-class critique

VII. TYPICAL ASSIGNMENTS:

A. Use both studio strobe, studio tungsten and natural lighting; shoot the same model using the same approach and make your best resulting prints for comparison and class critique. B. Shoot a portrait of a couple (two people or a person with a pet) using one, two, three and four light set ups. Print one of each for class critique. C. Shoot a table top still life of three fruits or other foods which tells something about the use of these objects. For example: lemons, grapefruits or oranges – one cut up – possibly coupling them with a knife or glass filled with juice.

VIII. EVALUATION:

A. **Methods**

- 1. Exams/Tests
- 2. Quizzes

B. **Frequency**

- 1. Frequency
 - a. Weekly class critiques
 - b. Two written quizzes or tests per semester

IX. TYPICAL TEXTS:

- 1. Child, John and Mark Galer *Photographic Lighting Essential Skills*. . 4TH ed., Elsevier, 2008.
- 2. London, Barbara *Jim Stone and John Upton. Photography.*, Prentice Hall, 2007.

X. OTHER MATERIALS REQUIRED OF STUDENTS:

- A. Black and white film or digital media cards
- B. Printing paper
- C. 35 mm SLR or digital DSLR camera – one that accepts interchangeable lenses is preferred.