

PHOT 0070B - ADVANCED STUDIO LIGHTING

Catalog Description

Prerequisite: Completion of PHOT 70A with grade of "C" or better; and completion of PHOT 75 or 78 with grade of "C" or better

Hours: 90 (36 lecture, 54 laboratory)

Description: Additional creative and technical work with studio lighting and portfolio development. Concentration on refining studio techniques used in commercial and fine art photography. Students create a focused body of work over the course of the semester. Students must furnish digital storage media, printing paper and presentation materials.

Providing an interchangeable lens digital camera recommended but not required. (CSU)

Course Student Learning Outcomes

- CSLO #1: Synthesize photographic interests, skills and abilities with professional goals and portfolio development.
- CSLO #2: Investigate industry requirements, services and resources.
- CSLO #3: Use various cameras, lenses, exposure techniques, and lighting skills to photograph still life or portraits.
- CSLO #4: Create, evaluate, and present a focused, pre-professional portfolio for critique.

Effective Term

Fall 2018

Course Type

Credit - Degree-applicable

Contact Hours

90

Outside of Class Hours

72

Total Student Learning Hours

162

Course Objectives

Through written tests, written and oral critiques, reports, demonstrations and portfolio development, student will:

Lecture Objectives:

1. Describe studio lighting techniques and concepts.
2. Explain measurable goals statement for portfolio development and focused study.
3. Identify further educational opportunities within the field of photography.
4. Describe digital printing procedures.
5. Compare services of professional laboratories.
6. Compare and contrast properties of cameras and lenses.
7. Recall the characteristics of light.
8. Critique portraits or still life photographs created using studio lighting.

9. Report on visit to professional meeting and/or interview with professional photographer.

Laboratory Objectives

1. Inventory personal photographic skills and abilities.
2. Create photographs of portrait or still life subjects using studio lighting equipment.
3. Design portrait or still life compositions using single and multiple subjects.
4. Prepare, present and evaluate a pre-professional body of work.
5. Interpret personal skills, education and accomplishments in a resume.

General Education Information

- Approved College Associate Degree GE Applicability
- CSU GE Applicability (Recommended-requires CSU approval)
- Cal-GETC Applicability (Recommended - Requires External Approval)
- IGETC Applicability (Recommended-requires CSU/UC approval)

Articulation Information

- CSU Transferable

Methods of Evaluation

- Classroom Discussions
 - Example: Classroom peer critiques (discussions) are an integral part of deepening student understanding of how others react to their images and to gain insight into how they can improve their work. Students are evaluated on participation, their ability to actively engage in the discussion and to provide and receive valuable feedback from their peers.
- Objective Examinations
 - Example: Students take a 20-point quiz where they identify the appropriate lens selection and camera settings for a variety of still life and portrait photographs. The quiz will be scored, assigned a grade on a traditional grading scale, and reviewed in class.
- Projects
 - Example: Create focused pre-professional portfolio of portraits and/or still life subjects. Students will be graded on technical requirements and inclusion of specific concepts. Work is evaluated on aesthetic principles demonstrated through rubric defining concept, composition, craft, communication and presentation. Proportion of portfolio grade to course grade is clearly defined in the syllabus. Standard grading is used.
- Reports
 - Example: Students will research photographic laboratory services locally, regionally and nationally to compare services, prices, quality and turnaround time. A final written report will be assigned including a rubric outlining the expectations and criteria for evaluation.
- Skill Demonstrations
 - Example: Students will demonstrate the calculation of lighting ratios. A rubric will be provided outlining the point value of the demonstration which includes proper use of the meter (dome up/dome down) and actual calculation of the ratio.

Repeatable

No

Methods of Instruction

- Laboratory
- Lecture/Discussion
- Distance Learning

Lab:

1. Following review of classic styles, mood and facial structure, instructor sets up lighting to demonstrate selection of appropriate lighting styles for lighting with students as models. Visual problems of posing, choosing appropriate lighting, mood, lens selection and vantage point are addressed in instructor's lecture. Lecture stresses safe handling of electrical equipment. Instructor assists students directly as they apply techniques discussed and demonstrated to their portraits.

Lecture:

1. Instructor lectures with visual examples on photographing glass or other highly reflective objects and principle of angle of incidence. Instructor does demonstration of the principle of angle of incidence. An assignment handout with grading rubric is given to students where the lecture material will be applied by students to still life photography. Instructor evaluates student's solutions to assigned still life assignment with written feedback based on the grading rubric.

Distance Learning

1. Instructor will create a video or PowerPoint presentation with audio on color temperature in studio lighting. Instructor will also provide the appropriate chapter in the textbook or a link to OER on the subject for students to read. Student will seek any necessary clarifications through discussion boards or office hours. Student will then apply this knowledge to create proper color in portfolio creation.

Typical Out of Class Assignments

Reading Assignments

1. Read the two articles assigned on posing couples and groups. Diagram four of the suggested arrangements.
2. Read the handout on the use of multiple bursts to increase flash exposure. Summarize the steps for proper exposure.

Writing, Problem Solving or Performance

1. Interview a professional photographer using the suggested questionnaire as a guide. Summarize your findings in a two-page paper.
2. Make a series of comparative images using umbrellas, scrims, soft boxes and reflectors with the same subject. Evaluate the results.
3. Write a resume featuring your educational and photographic experience.

Other (Term projects, research papers, portfolios, etc.)

1. Working with a team of students, research photographic laboratory services locally, regionally and nationally to compare services, prices, quality and turnaround time. Prepare a final report of your findings.

Required Materials

- Light and Shadow: Dynamic Lighting Design for Studio Portrait Photography
 - Author: Corbell
 - Publisher: Amherst Media
 - Publication Date: 2017
 - Text Edition: 1st
 - Classic Textbook?:
 - OER Link:
 - OER:
- Masterclass: Professional Studio Photography
 - Author: Savini
 - Publisher: Rocky Nook
 - Publication Date: 2012
 - Text Edition: 1st
 - Classic Textbook?:
 - OER Link:
 - OER:
- Lighting for Product Photography
 - Author: Earnest
 - Publisher: Amherst Media
 - Publication Date: 2012
 - Text Edition: 1st
 - Classic Textbook?:
 - OER Link:
 - OER:
- Light Science & Magic: An Introduction to Photographic Lighting
 - Author: Hunter, Biver & Fuqua
 - Publisher: Focal Press
 - Publication Date: 2015
 - Text Edition: 5th
 - Classic Textbook?:
 - OER Link:
 - OER:
- Minimalist Lighting: Professional Techniques for Studio Photography
 - Author: Grey
 - Publisher: Amherst Media
 - Publication Date: 2014
 - Text Edition: 2nd
 - Classic Textbook?:
 - OER Link:
 - OER:

Other materials and-or supplies required of students that contribute to the cost of the course.

Instructor supplementary hand-out, charts, model releases. Students must supply digital storage media, inkjet printing paper and presentations materials.