PHTC M31B: STUDIO LIGHTING II

Originator
scallis

College
Moorpark College

Attach Support Documentation (as needed)
Photography_Advisory_Mtg_Minutes _2-27-2019.doc
Photography_Advisory_Mtg_Minutes _3-10-2017.docx
Photography_Advisory_Mtg_Minutes _5-04-2018.docx
PHTC M31B_state approval letter_CCC000609505.pdf

Discipline (CB01A)
PHTC - Commercial Photography

Course Number (CB01B)
M31B

Course Title (CB02)
Studio Lighting II

Banner/Short Title
Studio Lighting II

Credit Type
Credit

Start Term
Fall 2020

Catalog Course Description
Builds upon basic studio lighting techniques and principles utilizing artificial light sources as used in commercial and fine art photographic applications. Furthers understanding of the control and quality of light in product photography. Includes instruction in photographing reflective and non-reflective surfaces, glass, metal, and food.

Taxonomy of Programs (TOP) Code (CB03)
1012.00 - *Applied Photography

Course Credit Status (CB04)
D (Credit - Degree Applicable)

Course Transfer Status (CB05) (select one only)
B (Transferable to CSU only)

Course Basic Skills Status (CB08)
N - The Course is Not a Basic Skills Course

SAM Priority Code (CB09)
B - Advanced Occupational

Course Cooperative Work Experience Education Status (CB10)
N - Is Not Part of a Cooperative Work Experience Education Program

Course Classification Status (CB11)
Y - Credit Course

Educational Assistance Class Instruction (Approved Special Class) (CB13)
N - The Course is Not an Approved Special Class

Course Prior to Transfer Level (CB21)
Y - Not Applicable

Course Noncredit Category (CB22)
Y - Credit Course

Funding Agency Category (CB23)
Y - Not Applicable (Funding Not Used)

Course Program Status (CB24)
2 - Not Program Applicable

General Education Status (CB25)
Y - Not Applicable

Support Course Status (CB26)
N - Course is not a support course

Field trips
Will not be required

Grading method
Letter Graded

Alternate grading methods
Student Option- Letter/Pass
Pass/No Pass Grading

Does this course require an instructional materials fee?
No

Repeatable for Credit
No

Is this course part of a family?
No

Units and Hours

Carnegie Unit Override
No

In-Class

Lecture
Minimum Contact/In-Class Lecture Hours
26.25
Maximum Contact/In-Class Lecture Hours
26.25

Activity

Laboratory
Minimum Contact/In-Class Laboratory Hours
78.75
Maximum Contact/In-Class Laboratory Hours
78.75

Total in-Class

Total in-Class
Total Minimum Contact/In-Class Hours
105

Total Maximum Contact/In-Class Hours
105

Outside-of-Class

Internship/Cooperative Work Experience

Paid

Unpaid

Total Outside-of-Class

Total Outside-of-Class
Minimum Outside-of-Class Hours
52.5
Maximum Outside-of-Class Hours
52.5

Total Student Learning

Total Student Learning
Total Minimum Student Learning Hours
157.5
Total Maximum Student Learning Hours
157.5

Minimum Units (CB07)
3
Maximum Units (CB06)
3

Prerequisites
PHTC M31A or suitable portfolio

Entrance Skills

Prerequisite Course Objectives
PHTC M31A- identify lighting ratios and control contrast using artificial lights.
PHTC M31A- identify the differences between soft and hard lighting.
PHTC M31A- demonstrate proficiency in using studio strobe lights in the studio.
PHTC M31A- plan, coordinate and execute a studio portrait shoot.
PHTC M31A-demonstrate familiarity with the various attachments and grip equipment most commonly used in photographic studios.
PHTC M31A-assist another photographer in the studio or on location.

Requisite Justification

Requisite Type
Prerequisite

Requisite
PHTC M31A or suitable portfolio

Requisite Description
Course in a sequence

Level of Scrutiny/Justification
Closely related lecture/laboratory course

Student Learning Outcomes (CSLOs)

	Upon satisfactory completion of the course, students will be able to:
1	control and manipulate artificial light.
2	identify a mix and match of five photographic still lives with their photographers.

Course Objectives

	Upon satisfactory completion of the course, students will be able to:
1	identify lighting ratios and control contrast using fill lights.
2	photograph objects of various textures, reflective and non-reflective surfaces.
3	photograph glass objects.
4	photograph metal objects.
5	photograph food.
6	identify the family of angles that produce reflections in reflective objects.
7	photograph difficult subjects such as black objects on black backgrounds and white objects on white backgrounds.

Course Content

Lecture/Course Content

- **20% - Lighting Objects to Show Three Dimensionality**
- **20% - Lighting for Metal Objects**
- **20% - Lighting for Glass Objects**
- **10% - Lighting for Black Objects on Black Backgrounds**
- **10% - Lighting for White Objects on White Backgrounds**
- **20% - Lighting for Food Photography**

Laboratory or Activity Content

- **10% - Tear-down of Props and Equipment and Restoration of Shooting Site**
- **15% - Shooting in the studio to show three dimensionality**
- **15% - Shooting in the studio, metal objects**
- **15% - Shooting in the studio, glass objects**
- **15% - Shooting in the studio, white on white, black on black objects**
- **15% - Shooting in the studio, food**
- **15% - Preparing for studio shooting**

Methods of Evaluation

Which of these methods will students use to demonstrate proficiency in the subject matter of this course? (Check all that apply):

Skills demonstrations

Methods of Evaluation may include, but are not limited to, the following typical classroom assessment techniques/required assignments (check as many as are deemed appropriate):

Classroom Discussion
Journals
Oral analysis/critiques
Projects
Participation
Portfolios
Quizzes
Reports/Papers/Journals
Skills demonstrations

Instructional Methodology

Specify the methods of instruction that may be employed in this course

Audio-visual presentations
Collaborative group work
Class activities
Class discussions
Distance Education

Demonstrations
Field trips
Group discussions
Instructor-guided use of technology
Internet research
Laboratory activities
Lecture

Describe specific examples of the methods the instructor will use:

- Demonstrate lighting techniques by setting up equipment in the studio and taking photographs as examples of different techniques while projecting the results on a screen for all the students to see and critique.

Representative Course Assignments

Writing Assignments

- Write a plan for a studio product shoots that includes diagrams, examples, and needed supplies.
- Maintain a journal of research, sketches and ideas for studio product shoots.

Critical Thinking Assignments

- Research professional product lighting techniques used in digital and print media.
- Choose the appropriate lighting equipment and techniques to problem solve in the studio.

Reading Assignments

- Research how to control reflections in photographs of metal objects.
- Research how to photograph glass objects.
- Research how to use texture and light and dark to create the illusion of three dimensionality in a photograph.

Skills Demonstrations

- Demonstrate proper set up, tear down and storage of lighting and grip equipment in the studio.
- Demonstrate proficiency with reflective surfaces such as glass and metal.

Other assignments (if applicable)

- Photograph an object to show its three dimensionality.
- Photograph a metal object.
- Photograph a glass object.
- Photograph a white object on a whit background
- Photograph a black object on a black background.
- Photograph food.

Outside Assignments

Representative Outside Assignments

- Keep a journal that documents your research and preparation for a photographic session.
- Assist a product photographer with their shoot.

Articulation

Equivalent Courses at other CCCs

College	Course ID	Course Title	Units
Glendale Community College	PHOT 112	Lighting II	4
Santa Barbara City College	PHOT 280	Advanced Lighting System	3
Cabrillo College	AP 57	Lighting for Photography II	3

District General Education

A. Natural Sciences

B. Social and Behavioral Sciences

C. Humanities

D. Language and Rationality

E. Health and Physical Education/Kinesiology

F. Ethnic Studies/Gender Studies

Course is CSU transferable
Yes

CSU Baccalaureate List effective term:
FALL 2015

CSU GE-Breadth

Area A: English Language Communication and Critical Thinking

Area B: Scientific Inquiry and Quantitative Reasoning

Area C: Arts and Humanities

Area D: Social Sciences

Area E: Lifelong Learning and Self-Development

CSU Graduation Requirement in U.S. History, Constitution and American Ideals:

IGETC

Area 1: English Communication

Area 2A: Mathematical Concepts & Quantitative Reasoning

Area 3: Arts and Humanities

Area 4: Social and Behavioral Sciences

Area 5: Physical and Biological Sciences

Area 6: Languages Other than English (LOTE)

Textbooks and Lab Manuals

Resource Type
Textbook

Description
Hunter, F., Biver, S., and Fuqua, P. (2015). *Light science and magic: An introduction to photographic lighting* (5th ed.). Routledge..

Resource Type
Textbook

Classic Textbook
No

Description
Earnest, A. (2019). The new lighting for product photography: The digital photographer's step-by-step guide to sculpting with light, (2nd ed.). Amherst Media.

Resource Type
Textbook

Classic Textbook
No

Description
Thomas, J. D. (2013). The art and style of product photography. Wiley.

Library Resources

Assignments requiring library resources
Use library print and online resources to critique and analyze lighting techniques.

Sufficient Library Resources exist
Yes

Example of Assignments Requiring Library Resources
Use library resources to research photographic portraits in magazines and popular media.

Distance Education Addendum

Definitions

Distance Education Modalities
Hybrid (1–50% online)

Faculty Certifications

Faculty assigned to teach Hybrid or Fully Online sections of this course will receive training in how to satisfy the Federal and state regulations governing regular effective/substantive contact for distance education. The training will include common elements in the district-supported learning management system (LMS), online teaching methods, regular effective/substantive contact, and best practices.
Yes

Faculty assigned to teach Hybrid or Fully Online sections of this course will meet with the EAC Alternate Media Specialist to ensure that the course content meets the required Federal and state accessibility standards for access by students with disabilities. Common areas for discussion include accessibility of PDF files, images, captioning of videos, Power Point presentations, math and scientific notation, and ensuring the use of style mark-up in Word documents.
Yes

Regular Effective/Substantive Contact

Hybrid (1%–50% online) Modality:

Method of Instruction	Document typical activities or assignments for each method of instruction
Asynchronous Dialog (e.g., discussion board)	discussion of journal submissions
Other DE (e.g., recorded lectures)	quiz on recorded video demonstrations.
Asynchronous Dialog (e.g., discussion board)	discussion of assigned readings.

Examinations

Hybrid (1%–50% online) Modality
Online

Primary Minimum Qualification
PHOTOGRPH TECH/COMM PHOTO

Review and Approval Dates

Department Chair
08/22/2019

Dean
09/11/2019

Technical Review
09/19/2019

Curriculum Committee
10/01/2019

DTRW-I
MM/DD/YYYY

Curriculum Committee
MM/DD/YYYY

Board
MM/DD/YYYY

CCCCO
11/28/2019

Control Number
CCC000609505

DOE/accreditation approval date
MM/DD/YYYY