

PHTC M31A: STUDIO LIGHTING I

Originator

scallis

Co-Contributor(s)
Name(s)

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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 M31A_state approval letter_CCC000609504.pdf

Discipline (CB01A)

PHTC - Commercial Photography

Course Number (CB01B)

M31A

Course Title (CB02)

Studio Lighting I

Banner/Short Title

Studio Lighting I

Credit Type

Credit

Start Term

Fall 2020

Formerly

PHOT M03, PHOT M31, PHTC M31

Catalog Course Description

Introduces basic studio lighting techniques and principles utilizing artificial light sources as used in commercial and fine art photographic applications. Emphasizes the control and quality of light. Includes studio and location portraiture.

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)

C - Clearly 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)

1 - Program Applicable

General Education Status (CB25)

Y - Not Applicable

Support Course Status (CB26)

N - Course is not a support course

Field trips

May be required

Faculty notes on field trips; include possible destinations or other pertinent information

Photographer's studios. Art museums and galleries. Shooting locations.

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**Minimum Contact/In-Class Activity Hours**

0

Maximum Contact/In-Class Activity Hours

0

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

PHOT M10 or suitable portfolio

Entrance Skills**Prerequisite Course Objectives**

PHOT M10-demonstrate skills related to camera operation, exposure meters (incident and reflective), basic lighting, film and digital processing.

PHOT M10-demonstrate the operation of a film and digital camera; determine correct exposure; process film and digital files; produce digital and wet chemistry-based prints; produce enlargements demonstrating cropping, contrast, burning and dodging skills; demonstrate print finishing and mounting techniques.

PHOT M10-demonstrate film and digital printmaking skills, properly identify and handle print processing chemicals, demonstrate photographic printing safety, develop black and white chemical photographic prints, evaluate chemical and digital photographic print defects, and process digital files in Photoshop.

PHOT M10-demonstrate an ability to process camera raw files using a raw file editor.

PHOT M10-create a portfolio of properly presented photographs.

PHOT M10-research, analyze and discuss an article dealing with photographic history, artists and photographic techniques; as well as identify photographic artists, interpret and analyze photographic images, and discuss and critique photographic images.

PHOT M10-describe and evaluate photographs using criteria that include expression, design, genre and technical skills; analyze and discuss photographic art theories.

PHOT M10-recognize significant events, artists (both past and current), and technologies in the history of photography.

PHOT M10-recognize and analyze the historical, social and personal relationship the medium of photography has with everyday life.

Requisite Justification

Requisite Type

Prerequisite

Requisite

PHOT M10 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 five influential fashion/portrait photographers of the twentieth century.

Course Objectives

Upon satisfactory completion of the course, students will be able to:	
1	identify lighting ratios and control contrast using artificial lights.
2	identify the differences between soft and hard lighting.
3	demonstrate proficiency in using studio strobe lights in the studio.
4	plan, coordinate, and execute a studio portrait shoot.
5	demonstrate familiarity with the various attachments and grip equipment most commonly used in photographic studios.
6	plan, coordinate, and execute a location portrait shoot.
7	demonstrate proficiency in using portable strobe lights on location.
8	demonstrate proficiency with mixing of ambient and strobe lighting while on location.
9	assist another photographer in the studio or on location.
10	give direction to a model or portrait subject.

Course Content

Lecture/Course Content

- 5% - Determining and Controlling Lighting Ratios in the Studio
- 10% - Safe and Proper Use of Studio Equipment
- 5% - Light Modifiers, Attachments, and Grip Equipment
- 5% - Methods for Planning and Coordinating a Studio Shoot
- 20% - Lighting for Studio Portraits
- 10% - Using Light Modifiers to Control the Quality of the Light Source
- 5% - Controlling White Balance

- 20% - Critique of Student Work
- 20% - Discussions of Historical and Contemporary Portrait Photography

Laboratory or Activity Content

- 15% - Setting up Equipment for a Studio Shoot
- 10% - Tear-down of Props and Equipment and Restoration of Classroom
- 15% - One light portrait
- 15% - Multiple light portrait
- 15% - Glamour portrait
- 15% - Location portrait
- 15% - Fashion portrait

Methods of Evaluation

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

Problem solving exercises
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 portrait that includes diagrams, examples, and needed supplies.
- Maintain a journal of research, sketches and ideas for portrait shoots.

Critical Thinking Assignments

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

Reading Assignments

- Research the Inverse Square Law and how it applies to lighting.
- Research the difference between soft and hard light.

- Research Rembrandt, Broad and Short Lighting.
- Research mixing studio strobe lights with available light.

Skills Demonstrations

- Demonstrate proper set up, tear down and storage of lighting and grip equipment in the studio.
- Demonstrate proficiency with lighting ratios, control of background illumination, and control over the quality of the light being used.

Other assignments (if applicable)

- Single light portrait
- Multiple light portrait
- Glamour portrait
- Location portrait
- Fashion

Outside Assignments

Representative Outside Assignments

- Keep a journal that documents your research and preparation for a photographic session.
- Participate in field trips to locations to shoot photographs.

Articulation

Equivalent Courses at 4 year institutions

University	Course ID	Course Title	Units
Cal Poly San Luis Obispo	ART 224	Intro to Artificial Lighting for Photography	4

Comparable Courses within the VCCCD

PHOT V08 - Portrait Photography

Equivalent Courses at other CCCs

College	Course ID	Course Title	Units
Glendale Community College	PHOT 106	Lighting I	4
Chaffey College	PHOTO 12	Studio Lighting	4
Cypress College	PHOT 203 C	Studio Lighting	3
Fresno City College	PHOTO 26	Lighting Principles	3
American River College	ARTPH 360	Studio Lighting	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 1995

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

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

Textbook

Descriptionvan Niekerk, N. (2019). *The new direction and quality of light: Your key to better portrait photography anywhere*, (2nd ed.). Amherst Media.**Resource Type**

Textbook

Classic Textbook

No

DescriptionHunter, F., and Hunter-Reid, R. (2011). *Focus on lighting photos: Focus on the fundamentals*. Focal.**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

CCC000609504

DOE/accreditation approval date

MM/DD/YYYY