

PHOTO111 : Lighting I

General Information

Author:	<ul style="list-style-type: none">David Yamamoto
Course Code (CB01) :	PHOTO111
Course Title (CB02) :	Lighting I
Department:	PHOTO
Proposal Start:	Spring 2025
TOP Code (CB03) :	(1012.00) Applied Photography
CIP Code:	(10.0201) Photographic and Film/Video Technology/Technician.
SAM Code (CB09) :	Clearly Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000651650
Curriculum Committee Approval Date:	05/22/2024
Board of Trustees Approval Date:	07/16/2024
Last Cyclical Review Date:	05/22/2024
Course Description and Course Note:	PHOTO 111 explores the creative use of available light, basic studio lighting, and on-camera flash. Students learn the principles of light, lighting design in relation to concept, exposure control, and how to control light through exposure and use light modifiers. Students create projects using course content. Photographic works of significant photographers are presented throughout the course. Note: Students who previously completed PHOTO 106 prior to Fall 2019 will not receive credit for PHOTO 111.
Justification:	Mandatory Revision Content Change
Academic Career:	<ul style="list-style-type: none">Credit
Mode of Delivery:	
Author:	
Course Family:	

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none">Photographic Technology/ Commercial Photography
Alternate Discipline:	<ul style="list-style-type: none">Photography
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08)

Course is not a basic skills course.

Allow Students to Gain Credit by Exam/Challenge

Course Special Class Status (CB13)

Course is not a special class.

Pre-Collegiate Level (CB21)

Not applicable.

Grading Basis

- Grade with Pass / No-Pass Option

Course Support Course Status (CB26)

Course is not a support course

General Education and C-ID

General Education Status (CB25)

Not Applicable

Transferability

Transferable to CSU only

Transferability Status

Approved

Units and Hours

Summary

Minimum Credit Units (CB07)	3
Maximum Credit Units (CB06)	3
Total Course In-Class (Contact) Hours	108
Total Course Out-of-Class Hours	54
Total Student Learning Hours	162

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

Variable Credit Course

Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience

Education Status (CB10)

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	0	0
Laboratory Hours	0	0
Studio Hours	6	3

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	
Lecture	0
Laboratory	0
Studio	108

Total 108

Course Out-of-Class Hours

Lecture 0

Laboratory 0

Studio 54

Total 54

Time Commitment Notes for Students

No value

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

Pre-requisites, Co-requisites, Anti-requisites and Advisories

Prerequisite

PHOTO100 - Digital Photography I (in-development)

Objectives

- Identify and use manual camera features.
- Demonstrate depth of field and action control.
- Identify characteristics of light.
- Identify basic characteristics of digital files.
- Organize files in a digital library using software such as Adobe Lightroom CC.
- Process digital images to correct color and tone.
- Define and analyze technical and composition effects on image.
- Create photographs that purposefully communicate a visual idea.
- Create output files for print and web.

Entry Standards

Entry Standards

Course Limitations

Cross Listed or Equivalent Course

Specifications

Methods of Instruction

Methods of Instruction Lecture

Methods of Instruction Laboratory

Methods of Instruction Multimedia

Methods of Instruction Tutorial

Methods of Instruction Collaborative Learning

Methods of Instruction Demonstrations

Out of Class Assignments

- Individual projects (e.g. individual projects using traditional methods to create photographs)
- Individual projects (e.g. individual projects using digital methods to create photographs)
- Preparing work for presentation (e.g. matting and mounting)

Methods of Evaluation

Rationale

Presentation (group or individual)

Individual and group critiques of projects

Exam/Quiz/Test

Midterm examinations

Exam/Quiz/Test

Final examination

Textbook Rationale

Photo uses the same comprehensive textbook for all of their classes. It is the most current version of the textbook and is pretty much the industry standard.

Textbooks

Author	Title	Publisher	Date	ISBN
London, Barbara	Photography	Pearson Prentice Hall	2017	9780134482026

Other Instructional Materials (i.e. OER, handouts)

No Value

Materials Fee

A material/lab fee may be required for this course.

Learning Outcomes and Objectives

Course Objectives

Describe and analyze the social history and significance of photographic works.

Identify and apply sources and characteristics of available light.

Identify and apply color temperature.

Apply working principles for hot lights.

Apply lighting technique to image concept.

Apply working principles for a lighting studio.

Apply working principles for on-camera flash.

SLOs

Apply and control working principles of lighting.

Expected Outcome Performance: 70.0

<i>PHOTO</i> Visual Arts: Photography - A.A. Degree Major	Able to produce cohesive photographic project that is conceptually and technically well developed
	Proficiency in available light photography
<i>ILOs</i> Core ILOs	Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.
<i>PHOTO</i> Photography - Certificate	demonstrate proficiency in available and studio light
	to produce a cohesive photographic project that is conceptually and technically well developed
<i>PHOTO</i> Photography - A.S. Degree Major	demonstrate proficiency in available and studio light
	produce a cohesive photographic project that is conceptually and technically well developed

Apply basic exposure calculations and compensations.

Expected Outcome Performance: 70.0

<i>ILOs</i> Core ILOs	Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.
<i>PHOTO</i> Visual Arts: Photography - A.A. Degree Major	Proficiency in available light photography

PHOTO
Photography - Certificate

demonstrate proficiency in available and studio light

demonstrate proficiency in traditional and digital photography workflows.

PHOTO
Photography - A.S. Degree
Major

demonstrate proficiency in available and studio light

demonstrate proficiency in traditional and digital photography workflows

Apply lighting techniques to create visual impact in images.

Expected Outcome Performance: 70.0

ILOs
Core ILOs

Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.

Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.

PHOTO
Visual Arts: Photography - A.A.
Degree Major

Proficiency in available light photography

PHOTO
Photography - Certificate

demonstrate proficiency in available and studio light

demonstrate proficiency in traditional and digital photography workflows.

to produce a cohesive photographic project that is conceptually and technically well developed

PHOTO
Photography - A.S. Degree
Major

demonstrate proficiency in available and studio light

demonstrate proficiency in traditional and digital photography workflows

produce a cohesive photographic project that is conceptually and technically well developed

Additional SLO Information

Does this proposal include revisions that might improve student attainment of course learning outcomes?

No

Is this proposal submitted in response to learning outcomes assessment data?

No

If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.

No Value

SLO Evidence

No Value

Course Content

Lecture Content

No value

Laboratory/Studio Content

Course Introduction (2 hours)

- Lab policies and procedures
- Course structure and procedures

Significant Photographers and Photographic Works (12 hours)

- Concepts, content and photographic themes
- Critical analysis of work
- Photographic mediums and techniques

Available Light (4 hours)

- Sources and characteristics of light
- Color Temperature

Studio Light (4 hours)

- Light sources and characteristics
- Key, fill, accent lights
- Lighting to Enhance Image
- Applying the inverse square law

Light and Image Concept (5 hours)

- Shape and form
- Concept development through lighting
- Setting mood tone through lighting
- Using light to support image concept

Historic and Contemporary Lighting Techniques (2 hours)

- Current and past lighting practices
- Changes and trends in technology
- Discussion of historical practices
- Discussion of contemporary practices in lighting

Group and Individual Critiques of Photographic Works (12 hours)

- Discussion of historic photographers
- Discussion of modern and contemporary photographers
- Critique of work produced by students

Exposure Calculations and Compensations (4.5 hours)

- Effective use of camera controls in basic lighting setups Light meter operation
- Exposure calculations and compensations
- Inverse square law and lighting ratios

Working in the Studio (2 hours)

- Studio procedures, set up and safety
- Production staff roles

Basic lighting for Portraiture (2 hours)

- Three point lighting
- High key and low key lighting

On-Camera Flash (4.5 hours)

- Flash as primary light source
- Flash-fill, bounce flash
- Using multiple flash exposures

Shooting Available and Studio Lighting Projects (108 hours)

- Pre-production to prepare for shoots
- Shooting on location or in studio
- Processing and editing images for proof printing
- Printing work prints and final prints
- Preparing work for presentation

Total Hours: 162**Additional Information**

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

GCC Major Requirements

No Value

GCC General Education Graduation Requirements

No Value

Repeatability

Not Repeatable

Justification (if repeatable was chosen above)

No Value

Resources

Did you contact your departmental library liaison?

No

If yes, who is your departmental library liaison?

No Value

Did you contact the DEIA liaison?

No

Were there any DEIA changes made to this outline?

No Value

If yes, in what areas were these changes made:

No Value

Will any additional resources be needed for this course? (Click all that apply)

- No

If additional resources are needed, add a brief description and cost in the box provided.

No Value