



COURSE OUTLINE : PHOTO 111
D Credit – Degree Applicable
COURSE ID 001236
Cyclical Review: SEPTEMBER 2020
Revision: APRIL 2021

COURSE DISCIPLINE : PHOTO

COURSE NUMBER : 111

COURSE TITLE (FULL) : Lighting I

COURSE TITLE (SHORT) : Lighting I

ACADEMIC SENATE DISCIPLINE: Photographic Tech/Comm Photography

CATALOG DESCRIPTION

PHOTO 111 students explore the creative use of available light, basic studio lighting, and on-camera flash. Principles of light, lighting design in relation to concept, exposure control are presented. Students learn 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.

Total Lecture Units:3.00

Total Laboratory Units: 1.00

Total Course Units: 4.00

Total Lecture Hours:54.00

Total Laboratory Hours: 54.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 108.00

Total Out-of-Class Hours: 108.00

Prerequisite: PHOTO 100 or equivalent.



ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	PHOTO	100	Introduction to Photography	Identify and use manual camera features	Yes
2	PHOTO	100	Introduction to Photography	Demonstrate depth of field and action control	Yes
3	PHOTO	100	Introduction to Photography	Identify characteristics of light	Yes
4	PHOTO	100	Introduction to Photography	Identify basic characteristics of digital files	Yes
5	PHOTO	100	Introduction to Photography	Organize files in a digital library using software such as Adobe Lightroom CC	Yes
6	PHOTO	100	Introduction to Photography	Process digital images to correct color and tone	Yes
7	PHOTO	100	Introduction to Photography	Define and analyze technical and composition effects on image	Yes
8	PHOTO	100	Introduction to Photography	Create photographs that purposefully communicate a visual idea	Yes
9	PHOTO	100	Introduction to Photography	Create output files for print and web	Yes

EXIT STANDARDS

- 1 Describe and analyze the social history and significance of photographic works;
- 2 identify and apply sources and characteristics of available light;
- 3 identify and apply color temperature;
- 4 apply working principles for hot lights;
- 5 apply lighting technique to image concept;
- 6 apply working principles for a lighting studio;
- 7 apply working principles for on-camera flash.

STUDENT LEARNING OUTCOMES

- 1 apply and control working principles of lighting;
- 2 apply basic exposure calculations and compensations;
- 3 apply lighting techniques to create visual impact in images.

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Course Introduction <ul style="list-style-type: none"> • Lab policies and procedures • Course structure and procedures 	2	0	2



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2	<p>Significant Photographers and Photographic Works</p> <ul style="list-style-type: none"> • Concepts, content and photographic themes • Critical analysis of work • Photographic mediums and techniques 	12	0	12
3	<p>Available Light</p> <ul style="list-style-type: none"> • Sources and characteristics of light • Color Temperature 	4	0	4
4	<p>Studio Light</p> <ul style="list-style-type: none"> • Light sources and characteristics • Key, fill, accent lights • Lighting to Enhance Image • Applying the inverse square law 	4	0	4
5	<p>Light and Image Concept</p> <ul style="list-style-type: none"> • Shape and form • Concept development through lighting • Setting mood tone through lighting • Using light to support image concept 	5	0	5
6	<p>Historic and Contemporary Lighting Techniques</p> <ul style="list-style-type: none"> • Current and past lighting practices • Changes and trends in technology • Discussion of historical practices • Discussion of contemporary practices in lighting 	2	0	2
7	<p>Group and Individual Critiques of Photographic Works</p> <ul style="list-style-type: none"> • Discussion of historic photographers • Discussion of modern and contemporary photographers • Critique of work produced by students 	12	0	12
8	<p>Exposure Calculations and Compensations</p> <ul style="list-style-type: none"> • Effective use of camera controls in basic lighting setups • Light meter operation • Exposure calculations and compensations • Inverse square law and lighting ratios 	4.5	0	4.5
9	<p>Working in the Studio</p> <ul style="list-style-type: none"> • Studio procedures, set up and safety • Production staff roles 	2	0	2



10	Basic lighting for Portraiture <ul style="list-style-type: none"> • Three point lighting • High key and low key lighting 	2	0	2
11	On-Camera Flash <ul style="list-style-type: none"> • Flash as primary light source • Flash-fill, bounce flash Using multiple flash expo 	4.5	0	4.5
12	Shooting Available and Studio Lighting Projects <ul style="list-style-type: none"> • 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 	0	54	54
				108

OUT OF CLASS ASSIGNMENTS

- 1 individual projects (e.g. individual projects using traditional methods to create photographs);
- 2 individual projects (e.g. individual projects using digital methods to create photographs);
- 3 preparing work for presentation (e.g. matting and mounting).

METHODS OF EVALUATION

- 1 individual and group critiques of projects;
- 2 midterm examinations;
- 3 final examination.

METHODS OF INSTRUCTION

- Lecture
- Laboratory
- Studio
- Discussion
- Multimedia
- Tutorial
- Independent Study
- Collaboratory Learning
- Demonstration



- Field Activities (Trips)
- Guest Speakers
- Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	ISBN	Date
Photography	Required	Pearson Prentice Hall	12	Print	London, Barbara	978013448 2026.	2017

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