

PHOTO130 : Digital Photography II

General Information

Author:	<ul style="list-style-type: none">Amy OliverYamamoto, David
Course Code (CB01) :	PHOTO130
Course Title (CB02) :	Digital Photography II
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) :	CCC0000651652
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 130 is an intermediate digital photography course that teaches Adobe Lightroom and Photoshop for digital photography. Students create projects using their own digital photos, using Adobe Lightroom to organize and edit photos, and Photoshop to retouch and enhance their images. Significant photographic works are presented and discussed to provide a context for the production and critique of photographic images. This is required for photography majors.
Justification:	Mandatory Revision Content Change
Academic Career:	<ul style="list-style-type: none">Credit
Mode of Delivery:	
Author:	Amy Oliver
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 both UC and CSU

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.

OR

Prerequisite

PHOTO101 - Traditional Photography I (in-development)

Objectives

- Identify and use basic film camera features.
- Use light meters and demonstrate exposure control methods.
- Demonstrate depth of field and action control.
- Differentiate between different types of light.
- Identify basic characteristics of black and white film and paper.
- Apply lab guidelines and safety.
- Process and print using traditional black and white techniques.
- Define and analyze technical and composition effects on image.
- Finish prints for presentation.

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 shooting projects to develop creative and technical skills (e.g. student will shoot digitally and execute a digital workflow to print with consistent results)
- Prepare work for presentation

Methods of Evaluation

Rationale

Presentation (group or individual)	Individual and group critiques of projects
------------------------------------	--

Evaluation	Personalized instructor feedback on exercises and large projects to help students build their skills
------------	--

Textbook Rationale

No Value

Textbooks

Author	Title	Publisher	Date	ISBN
Evening, Martin	Adobe Photoshop 2020 for Photographers	Routledge	2021	13 978-0367346836

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

Identify resolutions and file types.

Use features of a professional digital SLR cameras.

Apply color management.

Set-up Adobe Lightroom and Photoshop preferences.

Use Adobe Lightroom's library, develop, print, and output features.

Use Adobe Photoshop's image size, selections, layers, layer masking, and layer adjustments.

Apply basic image retouching and enhancing methods.

Apply output methods for web and print.

Analyze technical and design effects on image.

Correct color and tonality using Lightroom and Photoshop both globally and selectively.

Practice efficient workflow techniques.

Use Lightroom to create an organized and searchable image archive.

SLOs

Create a technically and visually cohesive final project using a digital workflow.

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
<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 - A.S. Degree Major	demonstrate proficiency in traditional and digital photography workflows produce a cohesive photographic project that is conceptually and technically well developed
<i>PHOTO</i> Photography - Certificate	demonstrate proficiency in traditional and digital photography workflows. to produce a cohesive photographic project that is conceptually and technically well developed

Organize, edit, size images appropriate for output, and apply basic image enhancements.

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. Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
<i>PHOTO</i> Photography - A.S. Degree Major	demonstrate proficiency in traditional and digital photography workflows produce a cohesive photographic project that is conceptually and technically well developed
<i>PHOTO</i> Photography - Certificate	demonstrate proficiency in traditional and digital photography workflows. to produce a cohesive photographic project that is conceptually and technically well developed

Create a searchable image archive.

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. Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
<i>PHOTO</i> Photography - A.S. Degree Major	demonstrate proficiency in traditional and digital photography workflows
<i>PHOTO</i> Photography - Certificate	demonstrate proficiency in traditional and digital photography workflows.

Course Content

Lecture Content

No value

Laboratory/Studio Content

Resolution and File Types (2 Hours)

- 8 bit and 16 bit files
- Resolution: file, monitor, and printer
- Common photo file types: psd (Photoshop document), jpeg (Joint Photographic Experts Group), tiff (Tagged Information File Format), RAW, dng (Digital Negative Graphics), pdf (Portable Document Format)

Professional Digital Single Lens Reflex Camera Overview (6 Hours)

- Metering and exposure modes
- Menu settings
- Shooting with a gray card for correct white balance
- Extending the dynamic range with high dynamic range (HDR)
- Shooting multiple images to create a panorama
- Understanding lens diffraction and using focus stacking

Scanning Film (3 Hours)

Color Management (4 Hours)

- Color spaces and profiles
- Monitor calibration
- Camera calibration with Color Checker Passport
- Proof setup

Lightroom Fundamentals (6 Hours)

- Interface, preferences, modules
- Organize, edit, keywords, and file information

Photoshop Fundamentals (4 Hours)

- Interface, preferences, tools, menu, and panels
- Selections
- Layers and layer masking
- Adjustment layers
- Nondestructive files

Import, Export, and Edit in Photoshop (2 Hours)

- Create a sustainable workflow from raw input to edited output

Basic Image Corrections and Retouching (13 Hours)

- Color correction in Lightroom and Photoshop
- Using the histogram to correct tonality and color- understanding clipping
- Convert color images to black and white in Photoshop and Lightroom
- Capture sharpening in the detail panel of Lightroom
- Basic retouching techniques in Lightroom and Photoshop
- Correct architectural perspective in Lightroom and Photoshop
- Global and selective corrections in Lightroom in Photoshop

Web and Print Output (4 Hours)

- Color spaces and printer profiles
- Soft proofing in Lightroom
- Print sharpening in Photoshop
- Creating test strips and evaluating them

Automating Features (4 Hours)

- Syncing settings between files and creating presets in Lightroom
- Creating actions and using the image processor in Photoshop
- Creating contact sheets, and picture packages in Lightroom
- Merge to HDR (High Dynamic Range)
- Photomerge

Image Aesthetics (3 Hours)

Workflow Principles (3 Hours)

- Creating an efficient catalog- considering filenames and folder organization
- Image ingestion and verification- backing up data
- Preproduction
- Production
- Output
- Archiving

Shooting, Processing and Printing Digitally (54 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: 108

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?

Adina Lerner (Technology & Aviation, Visual & Performing Arts)

Did you contact the DEIA liaison?

No

Were there any DEIA changes made to this outline?

No

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