



COURSE OUTLINE : PHOTO 130
D Credit – Degree Applicable
COURSE ID 001257
Cyclical Review: SEPTEMBER 2020
Revision: APRIL 2021

COURSE DISCIPLINE : PHOTO
COURSE NUMBER : 130
COURSE TITLE (FULL) : Photoshop and Lightroom for Photographers
COURSE TITLE (SHORT) : Photoshop and Lightroom
ACADEMIC SENATE DISCIPLINE: Photographic Tech/Comm Photography

CATALOG DESCRIPTION

PHOTO 130 is an intermediate 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. Basic image exporting and printing are covered. 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.

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 Identify resolutions and file types;
- 2 use features of a professional digital SLR cameras;
- 3 apply color management;
- 4 set-up Adobe Lightroom and Photoshop preferences;
- 5 use Adobe Lightroom's manage, edit, label, image size, correct, enhance, and automate features;
- 6 use Adobe Photoshop's image size, selections, layers, layermasking, layer adjustments, and automate features;
- 7 apply basic image retouching and enhancing methods;
- 8 apply output methods for web and print;
- 9 analyze technical and design effects on image.
- 10 correct color and tonality using Lightroom and Photoshop both globally and selectively;
- 11 practice efficient workflow techniques;
- 12 use Lightroom's image archive.

STUDENT LEARNING OUTCOMES

- 1 create a technically and visually cohesive final project using a digital workflow;
- 2 organize, edit, size images appropriate for output, and apply basic image enhancements;
- 3 create a searchable image archive.



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COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Resolution and File Types <ul style="list-style-type: none"> • 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) 	2	0	2
2	Professional Digital Single Lens Reflex Camera Overview <ul style="list-style-type: none"> • 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 	6	0	6
3	Scanning Film	3	0	3
4	Color Management <ul style="list-style-type: none"> • Color spaces and profiles • Monitor calibration • Camera calibration with Color Checker Passport • Proof setup 	4	0	4
5	Lightroom Fundamentals <ul style="list-style-type: none"> • Interface, preferences, modules • Organize, edit, keywords, and file information 	6	0	6
6	Photoshop Fundamentals <ul style="list-style-type: none"> • Interface, preferences, tools, menu, and panels • Selections • Layers and layer masking • Adjustment layers • Nondestructive files 	4	0	4
7	Import, Resize, Save, and Export <ul style="list-style-type: none"> • Integration with website, Facebook, Picasa, Dropbox, email 	2	0	2



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8	<p>Basic Image Corrections and Retouching</p> <ul style="list-style-type: none"> • 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 	13	0	13
9	<p>Web and Print Output</p> <ul style="list-style-type: none"> • Color spaces and printer profiles • Soft proofing in Lightroom • Print sharpening in Photoshop • Creating test strips and evaluating them 	4	0	4
10	<p>Automating Features</p> <ul style="list-style-type: none"> • 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 	4	0	4
11	<p>Image Aesthetics</p>	3	0	3
12	<p>Workflow Principles</p> <ul style="list-style-type: none"> • Creating an efficient catalog- considering filenames and folder organization • Image ingestion and verification- backing up data • Preproduction • Production • Output • Archiving 	3	0	3
13	<p>Shooting, Processing and Printing Digitally</p> <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 shooting projects to develop creative and technical skills (e.g. student will shoot digitally and execute a digital workflow to print with consistent results);
- 2 matting and mounting (e.g. prepare work for presentation in a portfolio or for exhibition).

METHODS OF EVALUATION

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

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
Adobe Photoshop for Photographers	Required	Focal Press		Print	Evening, Martin	9781138086753	2018
The Digital Negative: Raw Image Processing in Lightroom, Camera Raw, and Photoshop	Required	Peach Pit		Print	Schewe, Jeff	9780134033174	2016