



**COURSE OUTLINE : PHOTO 160**

**D Credit – Degree Applicable**

**COURSE ID 001248**

**Cyclical Review: September 2020**

**COURSE DISCIPLINE :** PHOTO  
**COURSE NUMBER :** 160  
**COURSE TITLE (FULL) :** Photoshop  
**COURSE TITLE (SHORT) :** Photoshop

**CATALOG DESCRIPTION**

PHOTO 160 introduces students to basic imaging techniques using Photoshop, an industry standard graphics software and image editor. Students will work with tools, layers, adjustments, and layer masks to create graphics, enhance images, and composite. Students create projects using course information.

**CATALOG NOTES**

Photography majors should enroll in PHOTO 130 rather than PHOTO 160.

Total Lecture Units: 2.00

Total Studio Units: 1.00

**Total Course Units: 3.00**

Total Lecture Hours: 36.00

Total Studio Hours: 36.00

Total Laboratory Hours To Be Arranged: 0.00

**Total Contact Hours: 72.00**

**Total Out-of-Class Hours: 90.00**

Prerequisite: None.



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**ENTRY STANDARDS**

	Subject	Number	Title	Description	Include
1				Read, write and converse in English;	Yes
2				add, subtract, multiply and divided whole numbers and fractions;	Yes
3				operate a personal computer, open and save files.	Yes

**EXIT STANDARDS**

- 1 Identify digital image fundamentals;
- 2 apply scanning and importing image methods;
- 3 identify and use Photoshop’s basic interface;
- 4 apply open, create, resize, and save image methods;
- 5 create and refine selections to make changes in a document;
- 6 apply layer basics;
- 7 apply basic image retouching and enhancing methods;
- 8 use the paint, shape, pen, and type tools;
- 9 use the ruler, a grid, guides, and set up their preferences;
- 10 apply print methods;
- 11 analyze technical and design effects on image.

**STUDENT LEARNING OUTCOMES**

- 1 correct the color and tone of photographic images both globally and locally using adjustment layers and masks in Adobe Photoshop
- 2 practice non-destructive image editing techniques to analyze and modify digital images while maintaining photographic quality
- 3 create accurate selections for compositing and creating local image adjustments that blend seamlessly
- 4 use Adobe Photoshop tools and techniques to provide natural corrective retouching for portraits and restoration of scanned images

**COURSE CONTENT WITH INSTRUCTIONAL HOURS**

	Description	Lecture	Lab	Total Hours
1	Digital Images Fundamentals <ul style="list-style-type: none"> <li>• Raster and vector</li> <li>• Color modes and channels</li> <li>• 8 bit and 16 bit files</li> <li>• Common file types</li> <li>• Histogram, clipping, and combing</li> </ul>	2	0	2



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2	Importing images into Photoshop <ul style="list-style-type: none"> <li>• Scanning basics</li> <li>• Importing images from external media and devices</li> </ul>	3	0	3
3	Photoshop Interface <ul style="list-style-type: none"> <li>• Basic preference settings</li> <li>• Toolbox and option bar</li> <li>• Palettes</li> <li>• Commonly used menu items</li> <li>• Help menu</li> </ul>	3	0	3
4	Opening, Creating, Resizing, and Saving Images <ul style="list-style-type: none"> <li>• Opening multiple images</li> <li>• Creating documents for different types of output</li> <li>• Image size, canvas size, and resolution</li> <li>• Crop and transform</li> <li>• Saving options</li> </ul>	3	0	3
5	Creating Selections to Make Changes <ul style="list-style-type: none"> <li>• Toolbox selection tools and quickmask</li> <li>• Refining and saving selections</li> </ul>	3	0	3
6	Layer Basics <ul style="list-style-type: none"> <li>• Create, duplicate, name, delete, move, select, link, lock, clip, opacity change</li> <li>• Groups</li> <li>• Layer styles and blendmodes</li> <li>• Smart objects</li> <li>• Masking layers and groups</li> <li>• Nondestructive layer setup</li> </ul>	4	0	4
7	Basic Image Retouching and Enhancing Methods <ul style="list-style-type: none"> <li>• Clone, heal, and patch tools</li> <li>• Color Theory and Color Correction</li> <li>• Adjustment layers including levels and curves</li> <li>• Burn and dodge</li> <li>• Blur and sharpen</li> <li>• Correcting tone (density and contrast)</li> <li>• Black and white conversion</li> </ul>	6	0	6
8	Working with Paint Tools <ul style="list-style-type: none"> <li>• Paint brush, pencil, paint bucket, gradient</li> <li>• Brush options and palette settings</li> <li>• Fill and stroke features</li> </ul>	3	0	3
9	Working with Shape and Pen Tool <ul style="list-style-type: none"> <li>• Vector and raster images</li> <li>• Fill with path, path only, and raster layers</li> <li>• Creating and manipulating a path</li> </ul>	3	0	3
10	Working with Type, Ruler, Grid, and Guides <ul style="list-style-type: none"> <li>• Type options, and palettes</li> <li>• Ruler, grid and guide preference and menu items</li> </ul>	2	0	2



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11	Printing an Image	2	0	2
12	Image Aesthetics	2	0	2
13	Processing, editing, and printing images in Photoshop imagines <ul style="list-style-type: none"> <li>• Processing digital files</li> <li>• Editing and evaluating images</li> <li>• Printing work prints and final prints</li> <li>• Preparing work for presentation</li> </ul>	0	36	36
				<b>72</b>

**OUT OF CLASS ASSIGNMENTS**

- 1 digital editing and retouching of images (e.g. using Photoshop to edit and prepare images for printing);
- 2 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



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**TEXTBOOKS**

<b>Title</b>	<b>Type</b>	<b>Publisher</b>	<b>Edition</b>	<b>Medium</b>	<b>Author</b>	<b>ISBN</b>	<b>Date</b>
Adobe Photoshop for Photographers	Required	Taylor and Francis			Evening, Martin	13 978-1138690240	2018