CS 70.11A Course Outline as of Fall 2021

CATALOG INFORMATION

Dept and Nbr: CS 70.11A Title: ADOBE PHOTOSHOP 1
Full Title: Adobe Photoshop 1
Last Reviewed: 4/27/2020

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	6	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00 Total Student Learning Hours: 157.50

Title 5 Category:	AA Degree Applicable
Grading:	Grade or P/NP
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	CIS 73.21

Catalog Description:
This course covers the beginning skills of image production and manipulation, using the industry-standard Adobe Photoshop to work with digital images for both Web and print use.

Prerequisites/Corequisites:

Recommended Preparation:
Eligibility for ENGL 100 or ESL 100 or equivalent; AND Course Completion of CS 5

Limits on Enrollment:

Schedule of Classes Information:
Description: This course covers the beginning skills of image production and manipulation, using the industry-standard Adobe Photoshop to work with digital images for both Web and print use. (Grade or P/NP)
Prerequisites/Corequisites:
Recommended: Eligibility for ENGL 100 or ESL 100 or equivalent; AND Course Completion of CS 5
Limits on Enrollment:

Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**			Effective:	Inactive:
CSU GE:	**Transfer Area**			Effective:	Inactive:
IGETC:	**Transfer Area**			Effective:	Inactive:
CSU Transfer:	Transferable	Effective:	Spring 2002	Inactive:	
UC Transfer:		Effective:		Inactive:	

CID:

Certificate/Major Applicable:
Both Certificate and Major Applicable

COURSE CONTENT

Student Learning Outcomes:
At the conclusion of this course, the student should be able to:
1. Demonstrate competency in identifying Photoshop interface elements.
2. Construct simple documents utilizing selections, layers, and blending modes.
3. Differentiate between simple graphic file formats and choose the appropriate usage for each.

Objectives:
At the conclusion of this course, the student should be able to:
1. Differentiate among panels, tools, menus, and commands.
2. Compare and contrast JPEG (Joint Photographic Experts Group) and PSD (Photoshop Document) image file formats.
3. Create at least two images using various painting tools and options.
4. Construct selections using at least three selection tools and techniques.
5. Differentiate between screen and print resolution, set up digital camera images for printing, and scan an image for print using a flatbed scanner.
6. Assess the copyright status of publicly accessible images such as those found on the Internet and in books and magazines.
7. Evaluate an image's exposure and tonality, decide which of Photoshop's different tools and commands to use to make necessary adjustments, and repair the image using the appropriate tools and commands.
8. Compare image adjustments made directly to an image (Destructive) with ones made using adjustment layers (non-Destructive).
9. Repair image defects and damage using the Image/Adjust Menu, Spot Healing, Healing Brush, and Red Eye tools.
10. Manipulate and organize images using Adobe Bridge.
11. Create at least two multi-layered documents that incorporate layer groups and a variety of blending modes and opacities.
12. Evaluate the proper usage of the Liquify, Clouds, Difference Clouds, Motion Blur, and Lens Flare filters.

Topics and Scope:

I. Fundamentals of Photoshop
   A. Fundamentals of Photoshop interface
   B. Hardware and software requirements
   C. Document navigation
   D. Options bar
   E. Toolbox
   F. Photoshop Help
II. Image File Formats
   A. PSD
   B. JPEG conversion using Save For Web
III. Painting and Editing Techniques
   A. Choosing colors
   B. Pencil and Brush tools
   C. Paint Bucket and Gradient tools
   D. Fill and Stroke commands
   E. Brush preset picker
   F. Eraser tools
IV. Basic Blending Modes
   A. Normal
   B. Multiply
   C. Screen
   D. Overlay
   E. Difference
   F. Color
V. Layer Basics
   A. Layer panel landmarks
   B. Creating a layer
   C. Painting on a layer
   D. Adding a layer style
   E. Layer groups
VI. Selection
   A. Purpose for making selections
   B. Lasso, Marquee, Quick Selection, and Magic Wand tools
   C. Adding to and subtracting from selections
   D. Anti-aliasing and feathering techniques
   E. Transforming selected areas
   F. Saving and loading selections from Select menu
VII. Acquiring and Managing Images
   A. Bridge
   B. Opening raw format images
VIII. Copyright and Fair Use
   A. Image sources
   B. Copyright issues
   C. Fair use of images
IX. Resolution and Printing
   A. Document resolution
   B. New Document dialog box
   C. Image Size and Canvas Size commands
   D. Digital camera resolution
   E. Print resolution

F. Flatbed scanner resolution
X. Simple Automation
A. Contact Sheet II
B. Picture Package
C. PDF (Portable Document Format) presentation
XI. Basic Image Adjustments
A. Crop tool
B. Spot Healing Brush
C. Red eye removal
D. Evaluation via Histogram and Info panels
E. Brightness and Contrast
F. Auto adjustments (Auto, Auto Color, Auto Contrast)
G. Adjustment layers vs. direct manipulation
H. Levels
I. Hue and Saturation
J. Color balance
XII. Duplicating and Reverting
A. Clone Stamp and Pattern Stamp tools
B. Undo command
C. History Panel, History Brush and Art History Brush
XIII. Filters
A. Liquify
B. Clouds
C. Difference Clouds
D. Motion Blur
E. Lens Flare
XIV. Presets
A. Creating swatch, pattern and gradient presets
B. Using the Preset Manager to manage libraries
XV. Design Fundamentals (PARC)
A. Proximity
B. Alignment
C. Repetition
D. Contrast
XVI. Photography Tips
A. Composition
B. Cropping
C. Macro
D. Rule of Thirds

Assignment:

1. Using painting tools with varying options to paint on an image, and save the image both for printing (PSD) and to display on the Web (JPEG)
2. Build an image by using at least three selection tools/techniques to make detailed selections of image elements from copyright-clear images and combine those selections to form an entirely new image.
3. Manipulate the resolution of a digital camera image so that it prints correctly on an inkjet or color laser printer.
4. Analyze the overall tone and exposure of an image, and use at least four adjustment commands to correct problems found in the image.
5. Repair image defects and damage in an image using the Clone Stamp, Spot Healing Brush,

and Red Eye (removal) Tool.
6. Use the Preset Manager to load, modify, and save libraries of swatch, gradient, and pattern presets.
7. Explore the proper usage of filters, including those used for special effects and image retouching.
8. Take examinations, including at least two quizzes, a midterm, and a final examination.
9. Each document produced will be accompanied by a written procedural documentation form and evaluation.
10. Reading approximately 20 pages per week

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written procedural documentation	Writing 5 - 10%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Creation, manipulation, repair, and analysis of images	Problem solving 10 - 20%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Assignments and projects	Skill Demonstrations 30 - 50%

Exams: All forms of formal testing, other than skill performance exams.

Quizzes, a midterm and a final examination	Exams 25 - 45%

Other: Includes any assessment tools that do not logically fit into the above categories.

Participation	Other Category 0 - 10%

Representative Textbooks and Materials:
Practical Photoshop CC 2018, Level 1. Laird, Donald. CreateSpace Independent Publishing Platform. 2018