

**Pellissippi State Community College  
Master Syllabus**

**ADVANCED COMPUTER GRAPHICS  
WEB 2811**

**Class Hours: 3.0**  
**Laboratory Hours: 0.0**

**Credit Hours: 3.0**  
**Revised: Spring 2018**

**Catalog Course Description**

This course is designed to enhance the computer skills that are used to prepare images for the Web or for print. Focus is on the use of Photoshop to enhance and create digital images using basic and advanced techniques as well as how to fix common photography problems and manage digital assets. Topics include working with layers, selections, color, type, styles, paint tools, masks and special layer functions and effects.

**Prerequisite(s)**

CITC 2375 or WEB 1600 or consent of program coordinator

**Co-requisite(s)**

None

**Textbooks(s) and Other Course Materials**

*Adobe Photoshop CC The Professional Portfolio 2017 Release*  
Erika Kendra  
Against the Clock, Inc.  
ISBN 978-1-936201-87-7

**Software:**

Adobe Photoshop Creative Cloud 2017 Release

**Week/Unit/Topic Basis**

<b>Week</b>	<b>Chapter</b>	<b>Topic</b>
1		The Photoshop User Interface
2	1	Compositing Images & Artwork, Managing Layers
3	1	Complex Selections, Saving PS Files for Print
4	2	Enlarging Source Files, Working with Vector Tools
5	2	Applying Styles and Filters
6	3	Retouching Damaged Images, Correcting Lighting & Color Problems
7	3	Preparing Images for Print, HDR Images
8	4	Creating New Files, Manipulating Pixels, Working with Type
9	4	Creating Style with Layers, Working in 3D
10	5	Fonts, Complex Masks, Custom Vector Shapes, Spot Channels

11	6	Cleaning/Adjusting Images, Working with Perspective & Lighting
12	7	Painting w/Brushes, Filling Solid Areas, Patterns, Painting Nature
13	-	Final Project
14	8	Automating Tasks, Editing Layers, Generating Web-Ready Assets
15	-	Final Exam Period

### Course Goals

NOTE: Roman numerals after course objectives reference goals of the Web Technology program.

The course will

- A. Enhance student knowledge of the Photoshop Creative Cloud workspace, tools and capabilities. (I, II)
- B. Enhance student skill in editing images for Web and print delivery. (I, II, III, IV)
- C. Expand student understanding of basic principles of photography and copyright rules. (V)
- D. Guide students in learning to manage digital assets, work with layers, make selections and incorporate color techniques. (I, II, III, IV)
- E. Teach students how to work with painting tools, masks, paths and shapes. (I, II, III, IV)
- F. Expand student understanding of typographic design and placement. (I, II, III, IV)
- G. Guide students in creating special effects with filters, layers and specific selections. (I, II, III, IV)
- H. Explain and demonstrate how to correct common photography problems. (I, II, III, IV)
- I. Guide students in using Camera Raw features. (I, II, III, IV)

### Expected Student Learning Outcomes

NOTE: Capital letters after Expected Student Learning Outcomes reference the course goals listed above.

The student will

1. Use the Photoshop workspace and tools to effectively prepare images for the Web and print. (A, B)
2. Understand basic principles of photography and copyright rules. (C)
3. Use Bridge to manage digital assets. (D)
4. Effectively work with layers, make selections and incorporate color techniques to edit images. (A, B, D)
5. Understand typographic design and placement. (A, B, F)
6. Effectively use painting tools and work with special layer functions, masks, paths and shapes. (A, B, E)
7. Create special effects with filters, layers and enhance specific selections. (A, B, G)
8. Use Photoshop to accomplish basic photograph corrections as well as advanced techniques in altering and enhancing digital assets for Web and print delivery. (A, B, D, E, F, G, H)
9. Use Camera Raw to edit and enhance unprocessed picture data from digital images.

(I)

## **Evaluation**

Testing Procedures: 40% of grade

Weekly Quizzes

Final Exam

Laboratory Expectations: N/A

Field Work: N/A

Other Evaluation Methods

Projects & Assignments: 50% of grade

Communication Assignments: 10% of grade

Grading Scale

A	90-100
B+	85-89
B	80-84
C+	75-79
C	70-74
D	60-69
F	0-59

## **Policies**

Attendance Policy

Pellissippi State expects students to attend all scheduled instructional activities. As a minimum, students in all courses (excluding distance learning courses) must be present for at least 75 percent of their scheduled class and laboratory meetings in order to receive credit for the course. Individual departments/programs/disciplines, with the approval of the vice president of Academic Affairs, may have requirements that are more stringent. In very specific circumstances, an appeal of the policy may be addressed to the head of the department in which the course was taken. If further action is warranted, the appeal may be addressed to the vice president of Academic Affairs.

Academic Dishonesty

Academic misconduct committed either directly or indirectly by an individual or group is subject to disciplinary action. Prohibited activities include but are not limited to the following practices:

- Cheating, including but not limited to unauthorized assistance from material, people, or devices when taking a test, quiz, or examination; writing papers or reports; solving problems; or completing academic assignments.

- Plagiarism, including but not limited to paraphrasing, summarizing, or directly quoting published or unpublished work of another person, including online or computerized services, without proper documentation of the original source.
- Purchasing or otherwise obtaining prewritten essays, research papers, or materials prepared by another person or agency that sells term papers or other academic materials to be presented as one's own work.
- Taking an exam for another student.
- Providing others with information and/or answers regarding exams, quizzes, homework or other classroom assignments unless explicitly authorized by the instructor.
- Any of the above occurring within the Web or distance learning environment.

Please see the Pellissippi State Policies and Procedures Manual, Policy 04:02:00 Academic/Classroom Conduct and Disciplinary Sanctions for the complete policy.

#### Accommodations for Disabilities

Students that need accommodations because of a disability, have emergency medical information to share, or need special arrangements in case the building must be evacuated should inform the instructor immediately, privately after class or in her or his office. Students must present a current accommodation plan from a staff member in Disability Services (DS) in order to receive accommodations in this course. [Disability Services](#) (<http://www.pstcc.edu/sswd/>) may be contacted via [Disability Services email](#) or by visiting Alexander 130.