

PELLISSIPPI STATE COMMUNITY COLLEGE  
MASTER SYLLABUS

**ADVANCED COMPUTER GRAPHICS  
WEB 2811**

**Class Hours: 3.0**

**Credit Hours: 3.0**

**Laboratory Hours: 0.0**

**Revised: Spring 2015**

NOTE: This course is not designed for transfer credit.

**Catalog Course Description:**

This course is designed to enhance the computer skills of those using graphics programs to prepare images for the Web or for print. Students will learn to enhance and create digital images using Photoshop; optimize images for speed of download; place and manipulate type in an image; work with layers and masks; use filters for special effects; work with background images and transparent gifs; create image maps; use ImageReady to create animations, slices, Web photo gallery, and rollovers.

**Entry Level Standards:**

Students should be proficient in use of the Windows or Mac OS X environment and should have basic file management skills. Students must have access to Photoshop Creative Cloud.

**Prerequisites:**

WEB 1600 and MDT 2100, or CSIT 2645 or equivalent

**Textbook(s) and Other Course Materials:**

*Adobe Photoshop Creative Cloud Revealed* by Elizabeth Eisner Reding  
Cengage Learning  
ISBN-13: 978-1-305-26053-5

**Required Software:**

- Adobe Photoshop Creative Cloud
- Adobe Bridge (Comes with Photoshop Creative Cloud)
- Camera Raw (Comes with Photoshop Creative Cloud)

Adobe offers monthly subscription plans that provide students with access to Adobe Creative Cloud for a very reasonable price.

**I. Week/Unit/Topic Basis:**

<b>Week</b>	<b>Topic</b>
1	Getting Started with Adobe Photoshop CC
2	Learning Photoshop Basics
3	Working with Layers
4	Making Selections
5	Incorporating Color Techniques

- 6 Placing Type in an Image
- 7 Using Painting Tools
- 8 Working with Special Layer Functions
- 9 Creating Special Effects with Filters
- 10 Enhancing Specific Selections
- 11 Adjusting Colors/ Using Clipping Masks, Paths, and Shapes
- 12 Transforming Type/ Liquifying an image/Performing Image Surgery
- 13 Final Project
- 14 Creating Images for the Web/working with Camera Raw/Fixing Common Photography Problems
- 15 Final Exam Period

## **II. Course Goals\*:**

The course will:

- A. Teach students to use Adobe Photoshop Creative Cloud effectively. (I, II, III, IV)
- B. Enhance student's skill in editing images for Web and print delivery. (I, II, III, IV, V)
- C. Expand student understanding of design principles 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, color, 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 filter, layers and specific selections. (I, II, III, IV)
- H. Explain and demonstrate how to correct common photography problems. (I, II, III, IV)
- I. Build student proficiency in creating images for the Web. (I, II, III, IV, V)
- J. Guide students in using Camera Raw features. (I, II, III, IV)

\*Roman numerals after course objectives reference goals of the WEB program.

## **III. Expected Student Learning Outcomes\*:**

The student will be able to:

1. Use Photoshop workspace and tools to effectively prepare images for the Web and print. (A, B, C, D, E, F, G, H, I, J)
2. Use Bridge or Mini Bridge to manage digital assets. (D)

3. 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, I, J)
4. Use Camera Raw to edit and enhance unprocessed picture data from digital images. (J)

\* Capital letters after Expected Student Learning Outcomes reference the course goals listed above.

#### **IV. Evaluation:**

A. Testing Procedures: 40% of grade

Weekly Quizzes  
Final Exam

B. Laboratory Expectations:

N/A

C. Field Work:

N/A

D. Other Evaluation Methods:

- Projects & Assignments: 50% of grade
- Online Communication Tools: 10% of grade

E. Grading Scale:

A	89.5 - 100
B+	86.5 - 89.4
B	79.5 - 86.4
C+	76.5 - 79.4
C	69.5 - 76.4
D	59.5 - 69.4
F	59.4 and below

#### **V. Policies:**

A. 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.

B. 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.

C. 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 may be contacted by sending email to [disabilityservices@pstcc.edu](mailto:disabilityservices@pstcc.edu), or by visiting Alexander 130. More information is available at <http://www.pstcc.edu/sswd/>.

D. Other Policies:

Students must have a valid PSCC ID to be presented on demand to gain access to PSCC facilities.