EL CENTRO COLLEGE  
ARTC 1402  
DIGITAL IMAGING I (PHOTOSHOP I)  
SYLLABUS  

COURSE DESCRIPTION  

Prerequisites: None  

Course Description: Digital imaging using raster image editing and/or image creation software: scanning, resolution, file formats, output devices, color systems, and image-acquisitions.  

This is a 4 credit hour course. (3 lec., 4 lab.)  

WECM END-OF-COURSE OUTCOMES: Identify terminology, advantages and limitations of image editing software; distinguish bit-mapped resolutions for image acquisitions and output devices; use digital editing and painting tools; use basic half-tone theory in production of images, manipulate, create, and edit digital images for print and for web; specify appropriate file formats.  

STUDENT LEARNING OUTCOMES:  
Upon successful completion of ARTC 1402, students will be able to:  
   Evaluate the graphic design principles used on a graphic design work of art such as a flyer, billboard or ad.  
   Demonstrate the use of various Photoshop tools by creating marketing materials such as print ads and flyers.  
   Utilize Photoshop to create a website that adheres to basic web design principles.  

COURSE MATERIALS  


Software: Access to Adobe Photoshop CS3 or higher.  
(Note: You do not have to own the software, you simply need consistent access to a computer with Adobe Photoshop CS3 or higher installed.)  

Storage: A minimum of 1 GB USB Flash Drive or an account with an online backup service such as Dropbox.com.  

A student of this institution (El Centro College) is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.  

MAJOR COURSE REQUIREMENT:  
Students will practice concepts and techniques for each lecture unit by completing the design based exercises.
Students will produce assignments for the following topics:

- Cowboy Extraction
- Goggle Reflection
- Extract Shapes
- Selecting by Color Range
- Scaling an Image Using Content-Aware
- Clone cows
- Remove Cactus
- Retouch Photos
- Replace Colors
- Using the Variations Adjustment
- Install and Use a Brush
- Create a Custom Brush
- Remove a Background using a Mask
- Use a Mask to create a Textured Text
- Create a Customized Layer Style
- Create Text on a Path
- Using the Text Tool
- Add Contrast to a Design
- Design a Business Card
- Create A Flyer
- Design a Magazine Cover
- Mimic a Website Design

A final project will evaluate the student’s understanding of graphic design principles and Adobe Photoshop software knowledge presented in each exercise.

SUBJECT MATTER:
Topics covered in the lecture portion of the course include:

- **Typography**
- **Graphic Design Principles**
  - Contrast
  - Alignments
  - Proximity
- **Photoshop Tools**
  - Rectangular Marquee Tool
  - Elliptical Marquee Tool
  - Brush
  - Clone Stamp Tool
  - Layers
  - Layer Masks
  - Layer Styles
  - Gradient Tool
  - Shapes
  - Patterns
  - Text Tool
  - Character Panel
- Color Range
- Content Aware Scale
- Spot Healing Brush
- Healing Brush
- Dodge Tool
- Sponge Tool
- Burn Tool

**DISCLAIMER**

The provisions contained in this syllabus do not constitute a contract between the student and El Centro College. These provisions may be changed at the discretion of the Coordinator/Instructor. When necessary, appropriate notice of such changes will be given to the student.

The instructor-of-record may provide additional information to enhance the course to meet the needs of the enrolled students, provided that the enhancements do not conflict with the official course syllabus.

**POLICIES**

Students should click on the links below and read all of these policies.

[General institutional policies](#)
[Course-related institutional policies](#)