Course title: Digital Imaging- Photoshop online @ http://my.commnet.edu
Course number: GRA 230   3 Semester Hours
Prerequisite: GRA 140 Desktop Publishing or GRA 131 Digital Photography or permission of the instructor
Grading System for final grade (percentages): A (94-100), A-(90-93),B+(87-89), B (83--86), B-(80-82),C+(77-79),C (73-76), C-(70-72), D+ (67-69), D(63-66), F (below 63).
Grading for individual projects: see grading online

Course Description and Rationale
Adobe Photoshop CS6/Adobe Creative Cloud Photoshop is the focus of this course which will provide the student with a foundation in image manipulation and graphic design. Layers and layer effects; image adjustment; blending modes; nested palettes of selection, painting, and correction tools and other Photoshop processes will be addressed. Students will study design principles.

General Course Goals
  At the completion of the semester, students should be able to use Photoshop to design images (composite and single) and documents using principles found in theliterature
The required skills include but are not limited to the following:
1. Resize headshots - all sized the same.
2. Use blending modes
3. Work with multiple layers
4. Adapt color for the web
5. Design and prepare composite images
6. Work with masks and channels
7. Create clipping paths
8. Work with color in the context of commercial printing
9. Use image filters
10. Apply two color filters
11. Work with multiple graphic formats
12. Create gradients
13. Use pen tool techniques
14. Use advanced photo correction techniques
15. Combine Illustrator graphics and Photoshop images
16. Slice images for the web
17. Set up a monitor for color management
18. Create an animated image
19. Optimize images for the web.
20. Read and report on Photoshop artist or Photoshop problem solving

Instructional Modes
        http://my.commnet.edu
        Blackboard Learn System
Instructional Materials
        Adobe Photoshop CS6 Classroom in a Book - required
        Adobe Photoshop Visual Quickstart Guide, Peachpit Press - recommended
        Adobe Photoshop CS6 (available at modest discount from efollett.com) or Adobe Creative Cloud Photoshop- required
        YouTube, Internet sites

Course Skills and Class Assignments
        See modules in Blackboard Learning System at http://my.commnet.edu. Note: The schedule may be changed during the semester to meet the needs of the students and requested course content.

Evaluation
        Students will be evaluated on the basis of weekly projects, discussions, and other assignments. The last assignment will be a capstone project. Points for each assignment are listed with the

assignment (or discussion or other) on Blackboard. Students will be expected to work on their assignments at home or in the computer lab every week and to turn them in by the stated deadline. Students should use traditional standards of correct spelling, grammar, and punctuation.
in all assignments and communications.

College Withdrawl Policy
A student who finds it necessary to discontinue a course once class has met must provide written notice to the Registrar. Withdrawal forms are available at the Registrar's office on campus and the Three Rivers office at the Subase. Nonpunitive "W" grades are assigned to any withdrawal requested before the various unrestricted withdrawal deadlines listed in the calendars published in front of each session's course listings. Withdrawal requests received after these deadlines must bear instructor signatures indicating the student was maintaining at least a C- average at the time of withdrawal. No withdrawals are permitted after the last class preceding the final exam.

Disabled Students and Learning Disabilities Support
If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact the Disabilities Counseling Services at 383-5240. To avoid any delay in the receipt of accommodations, you should contact the counselor as soon as possible. Please note that I cannot provide accommodations based upon disability until I have received an accommodation letter from the Disabilities Counselor. Your cooperation is appreciated.

Class topics and assignments
The instructor may change the order of topics and/or the content of the assignments to meet the needs of the class. Students should use traditional standards of correct spelling, grammar, and punctuation.
in all assignments and communications.

Digication
All students are required to maintain an online learning portfolio in Digication that uses the college template.

Plagiarism:
Plagiarism is a violation of academic honesty. It occurs when you take credit for someone else's work and submit it as your own, either intentionally or unintentionally through incomplete documentation of sources. Any plagiarized work will result in an F.

Email:
myCommNet Alert is a system that sends text messages and emails to anyone signed up in the event of a campus emergency. Additionally, TRCC sends messages when the college is delayed or closed due to weather.

All students are encouraged to sign up for myCommNet Alert. A tutorial is available on the Educational Technology and Distance Learning Students page of the web site. The link appears below:
http://www.trcc.commnet.edu/div_it/educationaltechnology/Tutorials/myCommNetAlert/MIR3.html

Intro Module
· Become familiar with your learning environment
· Learn about your instructor
· Use Adobe PhotoshopCS6 Classroom in a Book and its accompanying images
· Install Photoshop
· Create Lessons folder for your hard drive
· Reset your Photoshop Preferences.

Module 1 The Work Area & Chapter Title Pages
· Review and use Bridge
· Review and use Tool palette
· Use new Adobe PhotoshopCS6 features
· Use an Adjustment Layer with Curves

- Add type to an image
- Analyze an image from chapter title page

Module 2 Basic Photo Corrections Ch.2
- Open and edit in Camera Raw
- Understand resolution and size
- Straighten, crop, adjust the tonal range and saturation of an image.
- Adjust isolated areas of an image
- Use the Clone Stamp and Spot Healing Brush
- Use content-aware Patch tool
- Apply unsharp mask
- Save an image file for use in a page layout program
- Change color photos to Grayscale and tint

Module 3 Selections Ch 3; Layers Ch 4
- Make specific areas active using selection tools
- Reposition a selection marquis
- Move, duplicate, deselect, constrain movement, adjust position of a selection
- Add, subtract, rotate a selection
- Erase pixels within a selection
- Automate crop and straighten photos
- Change Stacking order
- Use background layer & change layer opacity
- Select multiple layers & move layers
- Link & trim layers
- Duplicate, delete, transform, merge, and lock layers
- Use layer styles, fill layers, & and adjustment layers
- Apply blending modes & filters to layers

Module 4 Correcting/Enhancing Digital Photos
- Process camera raw image
- Merge images of different exposures to create HDR image
- Make typical corrections – red eye, highlight/shadow
- Apply optical lens correction to image
- Align and blend 2 image to extend depth of field
- Use Curves to enhance color and contrast
- Use all of above to correct sample image

Module 5 Creating Text Samples
- Use large format image
- Create fonts, styles from models
- Flatten Photoshop image
- Compress (zip) document
- Identify use of special fonts/styles in documents

Module 6 Masks and Channels – Chapter 6
- Create a mask to remove a subject from a background
- Refine a mask to include complex edges
- Create a quick mask to make changes to a selected area
- Edit a mask using the Masks panel
- Manipulate an image using Puppet Warp
- Save a selection as an alpha channel
- View a mask using the Channels palette
- Load a channel as a selection
- Isolate a channel to make specific changes
- Identify retouching videos online
- Develop an opinion about black and white images

Module 7 Typographic Design – Chapter 7
· Use guides to position text in a composition
· Make a clipping mask from type
· Merge type with other layers
· Format text
· Distribute text along a path
· Control type and positioning using advanced features
· Create a poster for a play, movie, concert or other event.

Module 8 Advanced Layering (Ch.9) & Backscreen Photo
· Import a layer from another file
· Clip a Layer
· Create and edit an adjustment layer
· Use Vanishing point 3D effects
· Create Layer comps
· Merge and stamp layers
· Create a keyboard shortcut
· Backscreen a photo using a layer mask and adjustment layer

Module 9 Advanced Compositing Ch. 10 & Photoshop Artist Report
· Add guides to help place & align images
· Save selections and load as masks
· Apply color effect to unmasked areas
· Apply filters to selections to create various effects
· Add layer styles to create editable special effects
· Record and play an action to automate a series of steps
· Blend images to create a panorama
· Select a Photoshop artist to profile

Module 10 Painting w/ Mixer Brush Ch.13 & Original Composition
· Customize brush settings and clean the brush
· Mix colors and create custom brush preset
· Use wet and dry brushes to blend color
· Create your own original composition using brushes

Module 11 Alphabet Pages. Your original design
· Use everything learned to date.

Module 12 - Light and Shadow
Create and use light sources and shadow
· Drop shadow
· Cast shadow
· natural shadow
· Reconstruct shadow

Extra Credit Preparing Files for the Web Ch.12
· Slice an image in Photoshop
· Distinguish between user slices and auto slices
· Link user slices to other HTML pages or locations
· Optimize images for the web
· Make good compression choices
· Export large, high resolution files that tile for zooming and panning
· Showcase your images in a media gallery.

Module 13
Final Project