COURSE SYLLABUS

LAST REVIEW	Spring 2021
COURSE TITLE	Beginning Photoshop
COURSE NUMBER	DIGI 0115
DIVISION	Division
DEPARTMENT	DIGI
CIP CODE	10.0303
CREDIT HOURS	3.00
CONTACT HOURS/WEEK	Class: 3.00 Lab: X Clinical: X
PREREQUISITES	None

COURSE PLACEMENT   Students must meet the correct placement measure for this course. Information may be found at: https://www.kckcc.edu/admissions/information/mandatory-evaluation-placement.html

COURSE DESCRIPTION

This course is an introduction to Adobe Photoshop. It is oriented to students who have not been exposed to the formal study of this program. Students will learn the basic Photoshop work area and tools, including such concepts as selecting, layers, filters, painting, retouching, creating special effects. Students will work on various projects and may work with animation and preparing images for the web.

KANSAS SYSTEMWIDE TRANSFER: DIGI0115

The learning outcomes and competencies detailed in this course outline or syllabus meet or exceed the learning outcomes and competencies specified by the Kansas Core Outcomes Groups project for this course as approved by the Kansas Board of Regents.

PROGRAM ALIGNMENT

This course is part of a program aligned through the Kansas Board of Regents and Technical Education Authority. For more information, please visit: https://kansasregents.org/workforce_development/program-alignment

General Education Learning Outcome
☐ Basic Skills for Communication
☐ Mathematics
☐ Humanities
☐ Natural and Physical Sciences
☐ Social and Behavioral Sciences

Institutional Learning Outcomes
☐ Communication
☐ Computation and Financial Literacy
☐ Critical Reasoning
☐ Technology and Information Literacy
☐ Community and Civic Responsibility
☐ Personal and Interpersonal Skills

TEXTBOOKS
http://kckccbookstore.com/

METHODS OF INSTRUCTION
A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE
I. Introduction to Photoshop and Getting to Know the Work Area
    A. Mac Lab Rules
    B. PC vs. Mac platforms
    C. Basic Tools, Palettes, and Features
    D. Tool Options Bar and Functions
    E. Opening and locating Lesson Files
    F. Customize Workspace
    G. Saving and Filing Lesson Files for Review/Grading
    H. Photoshop Help Menu
II. Photo Corrections
    A. Understanding Image Resolution and Size
    B. Cropping and Straightening an Image
    C. Adjusting Tonal Ranges
    D. Removing Color Casts and Auto Corrections
    E. "Healing Tools" (Clone, Healing Brush, Spot Healing Brush, Patch)
    F. Sharpening Adjustments (Unsharp Mask)
III. Selections
    A. Selection Tools Overview

B. Repositioning Selections
C. Duplicating Selections
D. Keyboard Shortcuts for Selections
E. Deleting Selections
F. Constraining Selection Movement and Rotation
G. Adding to and Subtracting from Selections.

IV. Layers
A. Layer Organization
B. Create, View, and Hide Layers
C. Layer Stacking Order
D. Layer Blending Modes
E. Resizing and Rotating Layers
F. Layer Gradients
G. Layer Filters
H. Text Layers
I. Flattening Layers

V. Digital Photo Corrections/Enhancements
A. Overview of "Camera Raw"
B. Processing Files in Camera Raw
C. Making Color Corrections
D. Correcting Image Distortions
E. Creating a PDF Image Gallery/Slide Show

VI. Masks and Channels
A. Creating a Mask
B. Refining a Mask
C. Creating a Quick Mask
D. Loading Masks as Selections
E. Editing Masks
F. Manipulating an Image with Puppet Warp

VII. Typographics
A. Use of Guides in Positioning Text
B. Clipping Masks from Type
C. Creating Type on a Path
D. Working with Type Styles
E. Warping Point Type
F. Warping Layers around a 3D Object

VIII. Vector Drawing
A. Bitmap vs.Vector Definitions
B. Straight Lines & Curved Paths
C. Path/Selection Conversion
D. Saving Paths
E. Drawing and Editing Layer Shapes
F. Custom Layer Shapes
G. Smart Object Overview

IX. Advanced Compositing
    A. Arranging Layers
    B. Using Smart Filters
    C. Automating Tasks
    D. Saving Images for 4-Color Printing
    E. Stitching a Panoramic Image
    F. Upscaling a Low-Resolution Image

X. Editing Video
    A. Creating a New Video Project
    B. Animating Text with Keyframes
    C. Creating Effects
    D. Adding Transitions
    E. Adding Audio
    F. Muting Unwanted Audio
    G. Rendering Video

XI. Painting with the Mixer Brush
    A. Selecting Brush Settings
    B. Mixing Colors
    C. Creating Custom Brushes
    D. Mixing Colors with a Photograph

XII. 3D Images
    A. Creating a 3D Shape from a Layer
    B. Manipulate 3D Objects with the Axis Widget
    C. Adding 3D Objects
    D. Merging 3D Layers into a Single 3D Space
    E. Positioning 3D Objects in a Scene
    F. Applying Materials to 3D Objects
    G. Lighting a 3D Scene
    H. Rendering a 3D Scene

XIII. Preparing Files for the Web
    A. Creating Slices
    B. Exporting HTML and Images
    C. Using the Zoomify Feature

XIV. Producing and Printing Consistent Color
    D. Define RGB, Grayscale, and CMYK
    E. Identify Out-Of-Gamut Colors
    F. Proof an Image

COURSE LEARNING OUTCOMES AND COMPETENCIES
Upon successful completion of this course, the student will:
    A. Effectively use a variety of selection tools
    B. Make photo corrections
    C. Effectively use the Layers Palette
    D. Work with masks and channels
    E. Work with typographic tools
    F. Draw vector paths
    G. Prepare files for the web
    H. Create 3D Images

COURSE COMPETENCIES:
Effectively use a variety of selection tools
    1. The student will list and define the various selection tools.
    2. The student will make and move selections utilizing the proper selection tool.
    3. The student will "add to" and "subtract from" existing selections.
    4. The student will duplicate and delete selections.
    5. The student will save and load selections.

Make photo corrections
    6. The student will understand the difference between image resolution and size.
    7. The student will crop and straighten an image.
    8. The student will make manual and automatic color adjustments.
    9. The student will effectively use the "Healing Tools" and understand their differences.

Effectively use the layers palette
    10. The student will create, view and hide layers.
    11. The student will change the layer stacking order.
    12. The student will apply layer styles and blending modes.
    13. The student will create gradient layers.
    14. The student will use Adjustment Layers.
    15. The student will learn how to merge and flatten layers.

Work with masks and channels
    16. The student will create and edit a Quick Mask.
    17. The student will save selections as a channel mask.
    18. The student will edit masks.
    19. The student will isolate channels for image corrections.
    20. The student will create a gradient mask and understand their function.

Work with typographic tools
    21. The student will use guides to accurately position text.

22. The student will make clipping masks from type.
23. The student will apply effects and Layer Styles to type.

Draw vector paths
24. The student will learn the difference between Vector and Bitmapped images.
25. The student will draw and edit straight lines, curved lines and closed shapes.
26. The student will learn path/selection conversion.

Prepare files for the web
27. The student will create user slices and auto-slices.
28. The student will link slices to HTML pages.
29. The student will define and preview rollover states.
30. The student will optimize images for the web.
31. The student will create a simple animation.

Create 3D images
32. The student will create a 3D shape from a layer.
33. The student will create 3D text.
34. The student will manipulate 3D objects using the Axis Widget.
35. The student will animate a 3D file.
36. The student will apply the 3D postcard effect.
37. The student will adjunst ligh sources.

ASSESSMENT OF COURSE LEARNING OUTCOMES AND COMPETENCIES
Student progress is evaluated through both formative and summative assessment methods. Specific details may be found in the instructor's course information document.

COLLEGE POLICIES AND PROCEDURES
Student Handbook
https://www.kckcc.edu/files/docs/student-resources/student-handbook-and-code-of-conduct.pdf

College Catalog
https://www.kckcc.edu/academics/catalog/index.html

College Policies and Statements
https://www.kckcc.edu/about/policies-statements/index.html

Accessibility and Accommodations
https://www.kckcc.edu/academics/resources/student-accessibility-support-services/index.html.