COURSE INFORMATION FORM

DISCIPLINE  Art
COURSE TITLE  Digital Imaging
CR.HR  3  LECT HR.  1  LAB HR.  5  CLIN/INTERN HR.  CLOCK HR.

CATALOG DESCRIPTION
Advanced exploration of photographic techniques, images and themes using the computer, digital camera, and scanners. Photoshop will be the primary software utilized in the production of innovative digital images and solutions.

PREREQUISITES
Art 105 or Art 138 or GDES110 or permission of the instructor

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:

1. Produce digital images utilizing a variety of input devices, including digital cameras, film scanners, and flatbed scanners.
2. Demonstrate advanced handling of photo manipulation software.
3. Create photographic compositions utilizing various techniques and styles.
4. Demonstrate advanced design skills.
5. Formulate a personal style.
6. Evaluate works from art and photography history in reference to digital images.

GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

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<th>Outcomes</th>
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PROGRAM-LEVEL OUTCOMES
CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

Student accomplishment of expected student outcomes would be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

Oral evaluation and participation in class critique (outcomes 1, 2, 3, 4, 5,6)

Portfolio review, evaluation of growth from initial projects through the semester, observing specifically technical skills, media handling, design and pictorial elements. (outcomes 1, 2, 3, 4, 5, 6)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Basic Computer Review
   A. Hardware
   B. Software
   C. General Controls and Maneuvering
   D. Files and Saving
   E. File Formats

II. Input Devices
   A. Digital Cameras
      1. Hardware
      2. Software
   B. Capturing Still Images from Video Camera / VCR
      1. Hardware
      2. Software
   C. Flat Bed Scanners
      1. Scanning Resolution
      2. Hardware
      3. Software
   D. Film Scanners
      1. Scanning Resolution
      2. Hardware
      3. Software

III. Utilization of Photoshop Tools and Projects
   A. Review Basic Tools and Menus
   B. Contrast Adjustments, Level Adjustments and Tonal Changes of Digital Images
   C. Photo Restoration, Retouching, Airbrushing, Hand Coloring, Burning and Dodging
   D. Filters and Plug-ins
   E. Digital Darkroom Techniques
      1. Duotone
      2. Solarization
      3. Reticulation
      4. Grain
      5. Texture
      6. Posterization
   G. Colorization
      1. Selection Tools and Menus
      2. Hue and Saturation Palettes
      3. Channel Palette
      4. Adjustment Layers
   H. Multi Image Composition
      1. Masks
      2. Paths
      3. Layer Manipulation
I. Montage or Collage
   1. Text Tool
   2. Images
J. Color Separations
   1. Text Tool
   2. Images
K. Photo Essay
   1. Commonality
   2. Consistency
   3. Presentation
L. Images for the Web
   1. File formats
   2. Preparation
   3. Palette

IV. Critical Thinking
   A. Enhanced Aesthetic Sensibility
   B. Artistic and Photographic Historical Content
   C. Design and Photographic Elements and Principles