Number: DART G150  TITLE: Photoshop, Beginning

ORIGINATOR: Donavan Nielsen  EFF TERM: Fall 2010
FORMERLY KNOWN AS: 
DATE OF OUTLINE/REVIEW: 02-02-2010
CROSS LISTED COURSE: 
TOP NO: 0614.60
CID: 

SEMESTER UNITS: 3.0
HRS LEC: 36.0  HRS LAB: 36.0  HRS OTHER: 0.0
CONTACT HRS TOTAL: 72.0
STUDY NON-CONTACT HRS RECOMMENDED: 72.0

CATALOG DESCRIPTION:
Use Adobe Photoshop for digital compositing, typography, image repair, video and web image construction for business, graphic design, the web and digital media fields. Consideration is given to Photoshop industry terms, legal "rules" for image usage, digital workflow, the tools and the basic functions of the software.

JUSTIFICATION FOR COURSE: 
PREREQUISITES: 
COREQUISITES: 
ADVISORIES: 
ASSIGNED DISCIPLINES: 
Art
Commercial art (sign making, lettering, packaging, rendering)
Graphic arts (desktop publishing)
Multimedia

MATERIAL FEE: Yes [ ] No [X] Amount: $15.00
CREDIT STATUS: Noncredit [ ] Credit - Degree Applicable [X] Credit - Not Degree Applicable [ ]
GRADING POLICY: Pass/No Pass [X] Standard Letter [X] Not Graded [ ] Satisfactory Progress [ ]
OPEN ENTRY/OPEN EXIT: Yes [ ] No [X]
TRANSFER STATUS: CSU Transferable[X] UC/CSU Transferable[ ] Not Transferable[ ]

BASIC SKILLS STATUS: Yes [ ] No [X]  LEVELS BELOW TRANSFER: Not Applicable
CALIFORNIA CLASSIFICATION CODES: Y - Not Applicable
NON CREDIT COURSE CATEGORY: Y - Not applicable, Credit Course

OCCUPATIONAL (SAM) CODE: C

REPEATABLE ACCORDING TO STATE GUIDELINES: No [X] Yes [ ] NUMBER REPEATS: 
REQUIRED FOR DEGREE OR CERTIFICATE: No [ ] Yes [X]
Associate of Arts: Liberal Arts: Emphasis in Business and Technology( Associate in Arts)
Biotechnology Media Design( Certificate of Specialization)
Digital Arts( Associate in Arts)
Digital Media( Certificate of Achievement)
Floral Design and Shop Management( Associate in Arts)
Graphic Design Foundation Certificate( Certificate of Specialization)
Graphic Design Web Site Design Certificate( Certificate of Specialization)
Graphic Design and Production Option( Certificate of Achievement)
GE AND TRANSFER REQUIREMENTS MET:

COURSE LEVEL STUDENT LEARNING OUTCOME(S) Supported by this course:

1. Manipulate color depth, resample color, change brush strokes and modify anti-aliasing of an image.
2. Describe the various photoshop tools and their capabilities.
3. Use stock images for digital compositing.
4. Create unique images for special business projects (i.e. DVD & CD covers, inserts, labels, etc.).
5. Retouch old photographs using tools such as scanning, cloning, layers, cropping faded image repair and removal of image stains.

COURSE OBJECTIVES:

1. Describe the various photoshop tools and their capabilities.
2. Manipulate color depth, resample color, change brush strokes and modify anti-aliasing of an image.
3. Use stock images for digital compositing.
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COURSE CONTENT:

LECTURE CONTENT:

A. Computer Graphics and Terms
   1. Image Resolution-General
   2. Color Depth
   3. Color Reduction
   4. Anti-aliasing
      a. Resampling
      b. Interpolation
      c. Brush Strokes

B. Using Stock Images
   1. Legal obligations regarding copyright
   2. Flat-bed scanning of images-scale, brightness/contrast, and cropping
   3. Kodak Photo CD's and others
   4. Digital Cameras
      a. "Film" speed
      b. The Lens System
      c. Types of file compression and storage

C. Customizing Photoshop
   1. Preferences
   2. Color Management Features
   3. Palettes

D. Photoshop Tools
   1. Selection Tools
   2. Paint Tools
   3. Pen & Type tools
   4. Sampling, moving and zoom tools
   5. Quickmask mode/standard mode
   6. Screen view buttons
LABORATORY CONTENT:

Lab Content

Lab will reinforce the lecture/demonstrations as well as lessons from the text.

   a. Image resolution.
   b. Color depth.
   c. Color reduction.
   d. Anti-aliasing.
      1. Resample.
      2. Interpolation.

2. Use stock images.
   a. Legal obligations regarding copyright.
   b. Flat-bed scanning of images-scale, brightness/contrast, and cropping.
   c. Kodak photo CDs and others.
   d. Digital cameras
      1. "Film" speed.
      2. The lens system.
      3. Types of file compression and storage.

3. Customize Photoshop
   a. Preferences.
   b. Color management features.
   c. Panels.

4. Photoshop tools.
   a. Selection tools.
   b. Paint tools.
   c. Pen & type tools.
   d. Sampling, moving and zoom tools.
   e. Quickmask mode/standard mode.
   f. Screen view buttons.

5. Lab hands-on image work.
   a. Use images with copyright clearance.
   b. Use Photoshop software settings.
   c. Use tools.

6. Repair images.
   a. Choice of selection tools for the job.
   b. Color vs greyscale repair approaches.
   c. Layer generation techniques
   d. Masking techniques and graduated masks.
   e. Color imbedding.
   f. Sharpness - when and where.

7. Produce simulated commercial products such as CD covers, labels, inserts; DVD covers, labels, inserts, posters, and product mock-ups.

METHODS OF INSTRUCTION:

A. Lecture:
B. Lab:
C. Online:
D. Independent Study:

INSTRUCTIONAL TECHNIQUES:
COURSE ASSIGNMENTS:
  Reading Assignments
  Text
  Websites
  Photoshop Magazines

  Out-of-class Assignments
  Additional projects may be completed to further demonstrate competence in using the software application.

  Writing Assignments
  The student shall construct a mock-up of a selected commercial product such as CD cover, DVD cover, poster, etc.

METHODS OF STUDENT EVALUATION:
Midterm Exam
Final Exam
Short Quizzes
Written Assignments
Objective Examinations
Projects (ind/group)
Problem Solving Exercises
Skills Demonstration

  Demonstration of Critical Thinking:
  The student shall repair a damaged photo using the photoshop tools of his or her choice to produce the final result. The repaired photo will show no appearance of repair nor any remaining damage.

  Required Writing, Problem Solving, Skills Demonstration:
  The student shall construct a mock-up of a selected commercial product such as CD cover, DVD cover, poster, etc.

TEXTS, READINGS, AND RESOURCES:
  TextBooks:

LIBRARY:
  Adequate library resources include:

Comments:
Attachments:
  Attached Files