I. COURSE NUMBER AND TITLE:

A. A124  Computer Graphics: Enhanced Photography

B. Prerequisite - A 121 Computer Graphics: Macintosh Basics and PHO101

C. Credit Hours:  3  - Total Clock Hours:  96

II. DEPARTMENT:

The Arts

III. COURSE DESCRIPTION:

This course gives students digital experience in the use of high-tech enhanced photography software. Projects will incorporate use of the Macintosh computer as the digital imaging and manipulation tool along with image editing, scanning, and printing.

IV. COURSE COMPETENCIES:

This course will enable students:

1. To use the Adobe PhotoShop 6.0 tool palettes.

2. To paint, edit, and apply effects to images within the Adobe PhotoShop 6.0 program.

3. To create masks and make selections within the Adobe PhotoShop 6.0 program.

4. To use layers to compose composite images.

5. To demonstrate a working knowledge of the Adobe PhotoShop 6.0 through the designing, layout, and composition of various assigned projects.

6. To solve assigned projects in a creative, personal, and unique manor.

7. To import and export images between the Adobe PhotoShop 6.0 program and other applications.

8. To research and use necessary information from technical text in order to complete assigned projects and exercises.

9. To demonstrate a working knowledge of application software through the designing, layout, and completion of various projects.

V. ASSESSMENT PROCEDURE:

These items will be turned into the Assessment Committee at the end of the semester.

A. Two slides or photographs of the student's work will be taken which demonstrate:

1. The proper use of PhotoShop commands and tools.
2. The students ability to conceive, create, design, and complete assigned projects.

3. The students individual expression of digital imagery.

B. Exams involving recognition and recalling of information related to digital imaging will be evaluated.

VI. COURSE CONTENT

A. Basic Concepts of Adobe PhotoShop 6.0

1. Using the toolbox, mode controls, color controls, and palettes

2. Color basics
   a. RGB (additive colors)
   b. CMYK (subtractive color)

3. Scanning, Importing, and Exporting Images
   a. Resolution (Image, Monitor, Pixel depth, Screen frequency, Output)
   b. Determining scan resolution
   c. Exporting a Clipping path
   d. File types

B. Making and Working with Selections

1. Using the marquee tool, the lasso tool, and the magic wand tool

2. Using the pen tool

3. Selecting colors using the eyedropper tool, the color palette, and the color picker

4. Creating and converting selections into paths

D. Working with Layers

1. Adding Layers

2. Editing Layers

3. Merging Layers

E. Working with Channels and Masks

1. Using Quick Mask Mode
2. Creating New Channels

F. Manipulating images
   1. Rotating and flipping images
   2. Blending images
   3. Using Filters

VII. INSTRUCTIONAL MATERIALS:


Guidelines for Requesting Accommodation Based on Documented Disability or Medical Condition

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.

Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

On-Campus Students: At enrollment all on campus students will complete a form which will allow them to self-identify any disability. Questions should be directed to the Disabilities Coordinator.

Off-Campus Regional Students: Self-identify your disability and accommodation needs with the Regional Coordinator and/or instructor preferably prior to the first night of class or early in the semester.