



## BT 1510

**Division:** Business and Technology

**Department:** Business Technology

**Course:** BT 1510

**Title:** Computer Image Editing

**Catalog Description:**

This course introduces students to producing graphic art on the computer. Students will develop skills in photo manipulation and graphic design using Adobe Photoshop. Students will learn to differentiate between effective and ineffective designs and will also learn different design approaches through projects and examples.

**General Education Requirements:** N/A

**Semesters Offered:** TBA

**Credit/Time Requirement:** Credit: 3; Lecture: 3; Lab: 0

**Clock/Hour Requirements:** 0

**Offered for Non-Credit:** Yes

**Justification:**

This course provides the student with experience in computer photo-manipulation and graphic design at an introductory level with emphasis placed on uses in a business environment. There is an increasing need for employees who are skilled in editing and retouching photographs. These skills are called upon often in a business office to create images for such media as company newsletters, logos, letterhead, and Internet Web pages.

This course is required for the A.A.S. Desktop Publishing/Web Page degree and also the Desktop Publishing Certificate. The addition of this course into the Business Technology curriculum was advised and is supported by the Business Technology Advisory Committee members. Similar courses are offered at other Utah System of Higher Education institutions, including Dixie State College and Salt Lake Community College.

**Student Learning Outcomes:**

Upon successful completion of this course, students will be able to do or know the following:

- Make and manipulate selections.
- Use the painting and editing tools.
- Use layers effectively.
- Create and use masks.
- Store selection regions in channels.
- Draw and use paths with the Pen tool(s).
- Color-correct all or part of an image.
- Convert from one image type to another.

- Resize and/or change the resolution of an image.
- Prepare images for color separation and/or color output.
- Print images with appropriate resolution.
- Import Adobe Illustrator artwork into Adobe Photoshop.
- Manipulate an image and use it in word processing, desktop publishing, spreadsheet, or database applications.
- Critique the effective and ineffective use of design principles from digital and print sources.
- Create original images based on effective design principles using digital imaging software.

## **Content:**

Course objectives will be accomplished by

- Getting to know the work area
- Working with selections
- Layer basics
- Painting and editing
- Using masks and channels
- Retouching photos
- Applying basic pen tool techniques
- Utilizing advanced layer techniques
- Creating special effects
- Combining Illustrator graphics and Photoshop images
- Preparing images for Web publication
- Preparing images for two-color printing
- Ensuring and printing accurate color
- Demonstrating and discussing effective and ineffective use of design principles
- Completing assignments and class projects using effective design principles

## **General Education Outcomes:**

4) Retrieve, evaluate, interpret, and deliver information through a variety of traditional and electronic media.

Each student will have the opportunity to evaluate the overall effectiveness of images from both digital and print sources.

9) Respond with informed sensitivity to an artistic work or experience.

After studying and evaluating sample images from other digital artists, each student will be required to create original work using an image editing software. The goal is that students will appreciate the talent and skill needed to create such images.

## **Applied Education Outcomes:**

1) Students will acquire entry-level skills specific to and appropriate for employment in their chosen field of study.

Students will learn to use current software to manipulate and create graphics, create forms, and documents that are often needed in the business environment.

**Key Performance Indicators:**

Assignments and projects will be evaluated to determine proficiency and knowledge of the image editing software: 70%

Quizzes will test the understanding of theory and terminology associated with image editing software: 15%

Production exams will give students an opportunity to demonstrate their skill using image editing software: 15%

Percentages are approximate.

**Representative Text and/or Supplies:**

Cashman, Shelly, *Adobe Photoshop*, current edition or equivalent, Thomson.

**Optimum Class Size:** 12

**Maximum Class Size:** 19

**Signatures:**

I hereby submit this course syllabus:

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Lisa Anderson, MS, Associate Professor

I hereby find this course consistent with the goals and resources of the Business Technology Department:

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Lisa Anderson, MS, Associate Professor, Chair

I hereby find this course consistent with the goals and resources of the Business and Technology Division:

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Doug Dyreng, MS, Associate Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

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Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

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Michelle Olsen, MLS, Campus Librarian (Richfield Campus)