

## Master Syllabus

### ART 1175 - Computer Photography

**Division:** Liberal Arts, Communication and Social Sciences

**Department:** Art

**Credit Hour Total:** 3.0

**Lab Hrs:** 6.0

**Prerequisite(s):** ART 1161

**Date Revised:** February 2014

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#### Course Description:

Techniques for transforming photographic images through use of computers and digital cameras. Use of a computer to create fine art digital images. Advanced PhotoShop techniques including layers, color correction, masking and special effects. Students will be challenged to address learning outcomes in their work to demonstrate creative process and critical thinking.

#### General Education Outcomes:

- Critical Thinking/Problem Solving Competency
- Computer Literacy Competency

#### Course Outcomes:

##### Principles of Image Capture

Apply basic principles of digital photography and camera capture.

**Assessment Method:** Portfolios

**Performance Criteria:** 70% Quality or better

##### Architecture of PhotoShop

Demonstrate a knowledgeable understanding of the use of Adobe PhotoShop for artistic creation.

**Assessment Method:** Performance appraisals

**Performance Criteria:** 70% Quality or better

**Assessment Method:** Portfolios

**Performance Criteria:** 70% Quality or better

##### Creative Vision & Technical Proficiency Portfolio

Demonstrate by final printed portfolio artistic creative vision and technical proficiency.

**Assessment Method:** Portfolios

**Performance Criteria:** 70% Quality or better

#### Outline:

Define basic principles of Adobe PhotoShop.

Basic principles of digital cameras and digital photography including file formats - .psd, .jpg, and .tif.

Image formats, lecture and examples of dpi and resolution as they pertain to print quality.

Difference between various color modes - CMYK, RGB - will be explored along with their appropriate uses.

Color correction - examples and techniques for photo and image correction will be demonstrated, the use of curves, hue/saturation, and selective color range will be explored. Lecture for color correction will assist students in practical, real-world uses.

Layers - the basic functioning of layering photographs, textured backgrounds and text will be taught. Advanced layers, the manipulation of opacity, dropped shadows, embossing, and other special effects will be explored.

Layer masks - using channels to select, save, and manipulate areas of a layer.