

COMMON COURSE OUTLINE: Course discipline/number/title: ART 2230: Computer Graphics II

A. CATALOG DESCRIPTION

- 1. Credits: 3**
- 2. Hours/Week: 6**
- 3. Prerequisites (Course discipline/number):** ART 1130, High School Graduate Level
- 4. Co-requisites (Course discipline/number):** None
- 5. MnTC Goals (if any):** NA

This course further sharpens visual conceptualization and technical skills learned in Computer Graphics I. Students will develop through hands on experience 10-15 portfolio pieces. The emphasis in this course will be on harnessing the power of the photolithographs, slides and original artwork in many ways. No previous experience with PhotoShop is required, but students must have taken Computer Graphics I, or have the approval of the instructor.

B. DATE LAST REVISED (Month, year): March, 1997

C. OUTLINE OF MAJOR CONTENT AREAS:

1. Introduction
 - a) Syllabus
 - b) Dates & Meeting Times
 - c) Study Groups
 - d) Materials List
 - e) Calibrating Systems
2. PhotoShop Intro
 - a) Tools
 1. Painting Tools
 2. Editing Tools
 3. Photographic Filters
 4. Colors & Opacity/Dodge & Burn
 - b) Text
 - c) Cloning
 - d) Making Selections
3. Paths, Masks & Channels
 - a) Layers
 1. Creating New Layers
 2. Stacking Layers
 - b) Channels
 1. Adding New Channels
 2. Saving Channels
 - c) Paths
 1. Drawing Paths
 2. Filling Paths
 3. Saving Paths
4. Manipulating Selections
 - a) Adjusting Hue & Saturation
 - b) Adjusting Brightness & Contrast & Gradients
5. Creating Textures
 - a) Fake Marble from Paper
 - b) Define Pattern
 - c) Textures for Backgrounds
6. Understanding Color
 - a) Color Modes
 - b) Color Corrections
 - c) Lightening, Darkening, Desaturating Areas
 - d) Blurring & Sharpening



C. OUTLINE OF MAJOR CONTENT AREAS: Continued. . .

7. Input/Output
 - a) Digital Photos
 - b) Resolution
 - c) Scanning & Resolution
 - d) What does size mean? Resizing
8. Converting Images
 - a) CMYK
 - b) Lab Mode
 - c) Multichannel Mode
 - d) Duotone
 - e) Tritone
9. Importing & Exporting Files

D. LEARNING OUTCOMES (GENERAL):

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:

Numerical scores are kept for all tests, assignments, extra credit and student projects. To check progress individual student portfolios are graded at mid-quarter and test week. This allows a student to demonstrate a progression of skills. Class attendance records are kept for each student.

G. SPECIAL INFORMATION (if any): None