

BA 2820 - Image Editing & Enhancement

Sept. 06 - Dec. 08, 2005
3 Credits, 45 Hours (3-0-0)

Instructor:

Bruce Macdonald

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Classroom:

A313

Times:

Tues. & Thurs. 13:00 - 14:20

COURSE DESCRIPTION:

This course is a theoretical and practical introduction to digital imaging. It begins with a theoretical module on light, colour concepts, colour models, image compression formats, and graphic composition. The second module involves the practical application of camera basics and the principles of photography. The third module involves the use of image editing software to prepare compositions for publication on the World Wide Web.

PREREQUISITES:

BA 1150 or an equivalent introductory computer course. Second year standing, and a good working familiarity with the internet is also recommended.

GENERAL OBJECTIVES:

Upon exit the student will be able to:

1. acquire, edit, and display digital images for use in creating effective web sites.
2. apply the concepts of graphic design.
3. apply the basic principles of photography.
4. apply image editing software to repair, enhance, and compress digital images.

RESOURCE MATERIALS:

The textbook that I have prescribed for this course is:

Perkins, M. 2005, **The practical guide to digital imaging: Mastering the terms, technologies, and techniques.**, Published by Amherst Media. ISBN 1584281502

It is a brand new textbook, which will be available in the College bookstore, in early September.

Parts of the course will be supplemented with handouts and readings will be assigned from online sources, such as:

- [Apogee Photo](#) - An Internet photography magazine
- [Kodak](#) - Kodak publishes tips for taking great pictures

DELIVERY MODE:

The course is delivered live in computer lab A313 in the fall semester and lecture notes will be posted online at <http://dotcollege.com>. The content is divided into three modules. At the end of each module, there will be an assignment due, and an online test.

COURSE CONTENT and TENTATIVE SCHEDULE:

Module 1 - Photography

Sept. 06	Composition
Sept. 08	Outdoor Photoshoot
Sept. 13	Light
Sept. 15	Exposure
Sept. 20	Outdoor Photoshoot
Sept. 22	Rendition of Motion
Sept. 27	Depth of Field
Sept. 29	Outdoor Photoshoot
Oct. 04	Module 1 Test

Module 2 - Basic Computer Imaging Concepts

Oct. 06	RGB Colour Model
Oct. 11	Computer Exercises
Oct. 13	Hexadecimal Colour Numbering
Oct. 18	Image File Compression
Oct. 20	Computer Exercises
Oct. 25	HSB Colour Model
Oct. 27	Review
Nov. 01	Module 2 Test

Module 3 - Image Editing Software

Nov. 03	Cropping and Selection Tools
Nov. 08	Computer Exercise
Nov. 10	The Canvas
Nov. 15	Creating a Vignette
Nov. 17	Buttons, Gradients and Filters
Nov. 22	Text Features
Nov. 24	Brightness and Saturation Tools
Nov. 29	Computer Exercises
Dec. 01	Gif Animation
Dec. 06	Computer Exercises
Dec. 08	Module 3 Test

GRADING SYSTEM

GPRC uses the alpha grading system as explained on page 40 of the College calendar. On a percentage basis you will be assessed as follows:

Module 1	Photography Assignment	10
	Module Test	15
Module 2	Photography Assignment	15
	Module Test	15
Module 3	PhotoShop Assignment	25
	Module Test	20

TOTAL: 100

I will translate your percentage score into a letter grade as follows:

Weighted Average %	Letter Grade
94 - 100	A+
90 - 93	A
85 - 89	A-
80 - 84	B+
76 - 79	B
72 - 75	B-
68 - 71	C+
64 - 67	C
60 - 63	C-
55 - 59	D+
50 - 54	D
0 - 49	F