

COURSE TITLE: Introduction to Digital Photography

Mr. Raeihle

MATERIALS TO BE USED:

1. Digital Camera (*required*)
2. 1 or 2 GB USB 2.0 Flash Drive

METHOD OF CONTACT:

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PRE-REQUISITE: Studio Art A

I. COURSE DESCRIPTION:

Exploration of the technology, theory and application of digital image processing equipment and procedures, particularly in relation to photographic processes. Principles of input, output and computer processing techniques are covered. This course introduces the student to: reflective and transmission scanning of two-dimensional art per given specifications; acquiring photographic images from Photo-CD, CD-ROM, digital cameras, grabbing video images; acquisition of text and graphics from on-line networks such as the Internet and WWW; and applying image size, resolution, and file format specifications to image files.

This course is an introduction to digital photography as a multimedia production medium and develops the skills necessary for basic camera and computer imaging operations. The History of development of digital photography and overview of camera basics and functions will be covered, portfolio assignments given, Adobe Photoshop introduced and assignments in photo imaging established. Taking pictures, loading images into Photoshop, viewing image info and settings. Photoshop basics, tools, correcting images, enhancing images, objects and gradients, working with layers, masks, and channels. Creating custom masks, experimenting with channel operations, combining images to create animation, combining images with text, automating masks. Optimizing images for the web will be introduced as well as putting images online for multimedia projects.

Students will have hands on experience into the basic concepts of digital imaging using Adobe Photoshop CS.

II. COURSE OBJECTIVES:

By the end of the course, students will be able to:

Implement image manipulation software for multimedia productions. Understand the practical elements involved in digital camera use. Examining such things as camera control, media needed, using applicable technology combined with electronic media.

(A) Understand influences that have led to development of digital photography equipment and digital imaging.

(B) Analyze and compare digital imaging hardware and software.

(C) Demonstrate knowledge of digital imaging process.

(D) Understand major characteristics of the creative process in digital photography and identify which appropriate equipment will be required.

(E) Have created digital photography portfolio emphasizing composition, nature, architecture, portrait, speed, depth of field, and photo essay.

III. STRUCTURED INTERNAL - EXTERNAL ASSIGNMENTS / ASSESSMENT:

Standard Grading Scale based on attendance, quizzes, tests, and digital photography portfolio.

Attendance: CHS policy states that students may be drop failed from the class upon the fourth unexcused absence and the student will be assigned to a supervised study hall. of the scheduled class meetings.

Tardy Policy: A student who is late three times the student will be charged with one full (illegal) absence unless the student can provide valid reasons for one or more of these tardies.

Assignments/Missed Exams: It is the student's responsibility, whether present or absent, to obtain all material presented and to complete all course assignments. If prior arrangements are made or extenuating circumstances exist, makeup of tests and projects may be allowed. Late shooting assignments and final projects will not be accepted unless those same extenuating circumstances exist. Makeup lab time is to be at the instructor's discretion and lab availability.