Administrative Unit: Art Department

Course Prefix and Number: ARTS 354

Course Title: Digital Imaging

Number of Credit Hours: 3 Lecture Hours: 0 Laboratory Hours: 6

Catalog Description: Introduction to approaches and techniques of digital imaging with specific emphasis on the use of Adobe Photoshop. Topics include the technical and practical aspects of digital software, cameras, scanners, and printers. The course will explore the technical and aesthetic potential of digital photography in both graphic design and fine art. $20 lab fee.

Prerequisite(s)/Corequisite(s): ARTS 150; junior standing or instructor’s permission.

Text(s): Most current edition of the following:


Course Objectives:

• To transfer digital images to a computer for storage and manipulation.
• To make adjustments for contrast, color balance and exposure using Adobe Photoshop.
• To work with histograms to create better images.
• To define color management.
• To relate how to store digital images.
• To print digital images.

Measurable Learning Outcomes:

• Choose factors that affect an image’s quality and file size.
• Prepare files on a computer to correctly display digital images.
• Adjust portions or complete images using software tools.
• Employ other techniques including filters to readjust or sharpen images.
• Judge the practice and ethics of altering images.
• Interpret and recognize when to use channels, layers, and lighting.
• Differentiate advantages and disadvantages of printers, digital cameras, scanners, and software.

Topical Outline (major areas of coverage):

• Transparent layering
• Digital lighting techniques and cast shadows
• Adding new backgrounds digitally
• Repair a damaged photograph
• Design brochures
• Design logos
Recommended maximum class size for this course: 16

Library Resources: Online databases are available at http://www.ccis.edu/offices/library/resources.asp. You may access them from off-campus using your eServices login and password when prompted.

Prepared by: Edward Collings
Name ___________________________ Signature ___________________________

Date: March 20, 2006

NOTE: The intention of the master syllabus is to provide an outline of the contents of this course, as specified by the faculty of Columbia College, regardless of who teaches the course, when it is taught or where it is taught. Faculty members teaching this course for Columbia College are expected to facilitate learning pursuant to the course objectives and cover the subjects listed in the topical outline. However, instructors are also encouraged to cover additional topics of interest so long as those topics are relevant to the course’s subject. The master syllabus is, therefore, prescriptive in nature but also allows for a diversity of individual approaches to course material.

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