

# Syllabus for Digital Imaging I ARTC 1402

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## Course Description

Digital imaging using raster image editing and/or image creation software: scanning, resolution, file formats, output devices, color systems, and image-acquisitions. (WECM) A solid introduction to Adobe Photoshop with specific attention to practical applications to include preparing images for print (halftone theory) and web output. Gain proficiency with Adobe Photoshop palettes, selections, layers, masks, image editing and painting. Introduction to layer styles, type effects, and filters. Encourages creative studio skills.

## Learning Outcomes Workforce Education Course Manual (WECM):

Identify terminology, advantages and limitations of image editing software; distinguish bit-mapped resolutions for image acquisitions and output devices; use digital editing and painting tools; use basic half-tone theory in production of images, manipulate, create, and edit digital images for print and for web; specify appropriate file formats.

## Challenge Test:

Students cannot be currently or previously enrolled in the Digital Imaging I class they are challenging. Challenge test forms may be picked up in Admissions. Admissions will confirm whether the student has been previously enrolled. The form needs to be signed by the department chair and documented by Donna Pauler, the instructor who is supervising the test. Donna Pauler can be reached at 223-4300 or through email at [pauler@austincc.edu](mailto:pauler@austincc.edu). There is a fee of \$10 per credit hour to take the challenge test for credit.

## Texts, Instructional Materials and Resources

**Text:** Lab: Adobe Photoshop CS3 Classroom in a Book by Adobe Press: ISBN 0-321-49202-1. Online students: Get version of book that goes with software used such as CS 3 or CS 4. Instructors may request optional text below.

**Optional Supplementary Text:** Photoshop CS 4 for Windows and Macintosh Visual Quick Start Guide by Elaine Weinmann and Peter Lourekas.

**Library Resource Centers:** Review Print Magazine, Communication Arts Magazine, Photoshop User Magazine and others. In addition, library has stock photo files.

**URLs:** <http://www.adobe.com>, <http://library.austincc.edu/w3/VCD/>

## Supplies

**Online:** Internet access (high speed highly recommended) with reliable e-mail\* essential. Adobe Photoshop CS 3 or 4 software. Digital Camera and/or access to scanner. For ACC special pricing on Adobe software check out: <http://austincc.academicsuperstore.com>

## Instructional Methodology

Demonstrations/presentations/tutorials followed by independent lab work and "real world", hands- on projects. Opportunity provided for student discussion, exchange and sharing.

## Course Rationale

Digital Imaging I is an introductory course using industry standard imaging software to prepare students in the following specializations: graphic design, graphics technology, and interactive design. Production and technical skills are reinforced through project-based assignments. Beginning students are provided an opportunity to obtain real life experiences. Practicing professionals may upgrade their job skills.

## Common Course Objectives

- Distinguish image resolution from resolution of input and output devices.
- Explain bit depth and image modes (bit map, grayscale, RGB and CMYK).
- Scan and edit images to use in composites.
- Identify and specify different graphics file formats for print and web.
- Optimize images for output to print and web.
- Master the selection tools (wand, marquee, lasso, quick selection).
- Demonstrate proficiency with layers (naming, organizing sets, styles, adjustment).
- Demonstrate proficiency creating and editing masks (Quick, channels, layers, clipping).
- Distinguish between vector and raster graphics.

- Use the pen tool as a selection device.
- Use type and type effects.
- Control use of selected filters.
- Create well-executed composite images giving consideration to “non-destructive” editing.

### Grading System

A = 90–100

B = 80–89

C = 70–79

D = 60–69

F = 59 >

**Department policy effective September 2005:** No D’s will be accepted as a passing grade within the Visual Communication Department courses. Students receiving a grade of D must retake the course to receive credit and to progress to the next level course. Students who made a D prior to September 2005 will be allowed to proceed to the next level course.

### Course Requirements and Grading

<p><b>Classroom in a Book (CIB) Lessons, Practices, Daily Work “LAB”</b></p> <p>Evaluated on technical execution and completion of daily tutorials (CIB lessons) and practices as assigned to include participation/attendance in class. (Late work will be lowered 10% or equivalent of one letter grade.)</p>	<b>25%</b>
<p><b>Integrating Projects</b></p> <p>Integrating projects (4) are exercises that integrate the skills acquired at regular intervals. (Late work will be lowered 10% or equivalent of one letter grade.)</p>	<b>30%</b>
<p><b>Reviews/Quizzes/Tests</b></p> <p>Includes review sheets*, quizzes (6)*, midterm*, and final review*. Quizzes may be in lab or taken online*. Missed tests cannot be made up unless the student has contacted the instructor prior to absence and received an excused absence. *Depend upon instructor.</p>	<b>25%</b>
<p><b>Final Culminating Project(s)</b></p> <p>Includes making a movie poster and re-sampling composite image and optimizing for grayscale newsprint ad and a color composite for web.</p>	<b>15%</b>
<p><b>Notebooks OR Resource Files* with Image Dairy</b></p> <p>This includes either a physical notebook or a digital file of class work (disk organization), Photoshop resources and an Image Dairy. See “Notebook” or “Resource File” guidelines according to *instructor preference.</p>	<b>5%</b>

### Course Class Policies

**General Statement:** The stated objectives for each assignment of individual projects are based upon the instructor’s experience with industry standards. Student work is assessed upon technical expertise, accuracy, composition standards and creativity. Active participation in class discussions, critiques and sharing sessions is essential and considered part of each project grade and final evaluation.

Demonstration of a professional attitude is required. This includes, but is not limited to arriving to class on time and participating for the whole period and turning in projects on time. Students are expected to show professional courtesy to other students as well as the instructor in class and via online discussions. This will be a factor in overall grading. Please turn off cell phones/ pagers during class/lab.

**Late work:** Projects will automatically be lowered if turned in past due date. Work will not be accepted 2 week past due date.

**Withdrawal Statement:** No more than 6 withdrawals from classes will be allowed in a four-year college career. (New Law Fall 2007) I will not drop you unless you ask me to. This is your responsibility!

**Incompletes Department policy:** Incompletes will be considered only in cases of major emergency and if the student has at least a B status for 3/4 of the semester.

## Copyright

The software programs that you in the labs are licensed to the college as the original purchaser and as such are not available for students to duplicate for their personal use. Do not use college equipment to duplicate software for other students or to produce work-for-profit. Do not copy or scan copyrighted material for use in your projects.

## Academic Freedom

"Each student is strongly encouraged to participate in class. In any classroom situation that includes discussion and critical thinking, there are bound to be many differing viewpoints. These differences enhance the learning experience and create an atmosphere where students and instructors alike will be encouraged to think and learn. On sensitive and volatile topics, students may sometimes disagree not only with each other but also with the instructor. It is expected that faculty and students will respect the views of others when expressed in classroom discussions." (see student handbook)

## Student Discipline

By applying to and registering at Austin Community College, students agree to abide by the Student Discipline Policy and Student Rights and Responsibilities regulations published in the college catalog and the student handbook.

## Scholastic Dishonesty

"Acts prohibited by the college for which discipline may be administered include scholastic dishonesty, including but not limited to cheating on an exam or quiz, plagiarizing, and unauthorized collaboration with another in preparing outside work. Academic work submitted by students shall be the result of their thought, research or self-expression. Academic work is defined as, but not limited to tests, quizzes, whether taken electronically or on paper; projects, either individual or group; classroom presentations, and homework" (See Student Handbook.)

## Students with Disabilities

The Office for Students with Disabilities (OSD) assists students with documented disabilities to access ACC's educational resources by providing reasonable and appropriate accommodations. To request accommodations, students must submit appropriate diagnostic documentation to the OSD supervisor at their primary campus. Students attending multiple campuses must meet with the OSD supervisor at each campus where accommodations are needed. Accommodations must be requested before each semester they are needed. NOTE: Students are urged to apply for accommodations at least three weeks before the start of each term. (ACC Student Handbook, 2006-2007, pg. 20.) All requests for accommodations must be presented to the instructor during the first week of class.

## Distance Learning

Distance Learning courses provide students with a flexible, convenient way to earn college credit. Instead of attending classes on campus, DL students use interactive instructional technologies to participate in non-traditional courses, giving busy students access to coursework virtually anytime, anywhere. Visit ACC's Distance Learning Resource page and avail yourself of the many resources available to you! <http://dl.austinctc.edu/>

SCAN Competencies: SCANS = Secretary's Commission on Achieving Necessary Skills:	
This course satisfies	6.0 Basic Skills
1.1 Manages Times	Reading, Mathematics, Listening
2.1 Participates as a Members of a Team	6.6 Speaking
3.0 Information	7.0 Thinking Skills
3.1 Acquires and Evaluates Information	7.1 Creative Thinking
3.2 Organizes and Maintains Information	7.2 Decision Making
3.3 Uses Computers to Process Information	7.3 Problem Solving
4.0 Systems	7.4 Mental Visualization
4.1 Understands Systems	7.5 Knowing How to Learn
4.2 Monitors and Corrects Performance	7.6 Reasoning
4.3 Improves and Designs Systems	8.0 Personal Qualities
5.0 Technology	8.1 Responsibility
5.1 Selects Technology	8.2 Self-Esteem
5.2 Applies Technology to Task	8.3 Sociability
5.3 Maintains and Troubleshoots Technology	8.4 Self-Management
	8.5 Integrity/Honesty