

# Syllabus for Digital Imaging II ARTC 2405

<b>Instructor</b>	Donna Pauler
<b>Synonym (s)</b>	39136 online 39137 lab
<b>Office hours</b>	8:40 to 9:00; 11:40 to 3:00; 5:40 to 6:00 pm + online TBA
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## Course Description

Principles of digital image processing and electronic painting. Emphasis on bitmapped- or raster-based image marking and the creative aspects of electronic illustration for commercial and fine art applications. (WECM) This includes intermediate to advance techniques using Adobe Photoshop to gain greater efficiency using masks and channels; short cuts and actions; type effects; and controlled use of layer styles, blending modes, filters and other special effects. Includes introduction to color management for output to print. Special attention is given to practical and artistic techniques. Prerequisite: Digital Imaging I or comparable. Instructor approval.

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

Identify and explain the advanced concepts and concerns associated with image resolution and file size; demonstrate digital editing and use of printing/web tools; creating, editing, and painting digital images; color correction and manipulation of photographic images; saving and outputting images on various output devices.

## Texts & Other References and Supplies *Please see Instructor regarding texts.*

**Texts Required:** *Adobe Photoshop CS4 Studio Techniques* by Ben Willmore and Dan Alban

*From Design Into Print* by Sandee Cohen.\* for Print/Design majors

If the *Classroom in a Book* or the *Quick Start Guides* are available from DI 1, please use for reference regardless of version.

**Production (opt):** *CMYK 2.0* (CS 4) by Rick McCleary (Overview of color management.)

*CMYK Color* by Gerald Fields and Gary Nichols Go to <http://www.cmykcolor.org/> to purchase the book. Recommended for Graphics Technology students.

*Mastering Photoshop CS 3 for Print Design and Production* by Ted LoCascio

**Overview (opt):** *Adobe Photoshop CS3/4 WOW! Book* by Linnea Dayton

*Real World Photoshop CS4 for Photographers* by David Blatner and Bruce Frazer

**Reference (opt):** *Visual QuickStart Guide Photoshop CS4* by Elaine Weinmann

*Photoshop CS 3 or 4 Bible* by Laurie Ulrich Fuller & Robert C. Fuller (Detailed.)

**Library Resources:** *Print Magazine, Communication Arts Magazine, Photoshop User Magazine*, other related resources and stock photo files. (see library).

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

**Lab Supplies:** "USB Memory Key" for use in labs. Necessary materials to take notes in lab.

**Online:** High speed internet access with reliable e-mail essential. Adobe Photoshop CS 3 or CS 4.

Digital Camera and/or access to scanner. For ACC special pricing of Adobe software check out: <http://austincc.academicsuperstore.com>

## Instructional Methodology

The class combines demonstrations/presentations/tutorials followed by independent hands-on project based activities applying acquired techniques. There will be opportunity for in class and online class discussions, critiques and presentations.

## Course Rationale

Digital Imaging II is an intermediate to advance imaging course using industry standard software. Students will learn a wide range of tools and techniques applicable to real life situations. Emphasis is placed upon production techniques, preparing files for print or web. Students will be expected to demonstrate time management skills and meet deadlines.

## Course Objectives

- Optimize Photoshop settings, and tools.
- Review differences between images types, size and resolution, file formats for print and web.
- Create Actions, use Shortcuts and other time efficient and non-destructive techniques.
- Work non-destructively using Layer Management, Adjustment Layers, Masks, Smart Objects,
- Use Masks to create, edit selections: Layer, Clipping, Quick, Channel.
- Use Adjustment Layers to make tonal changes with Levels, Curves, Color Balance, etc.
- Remove artifacts using Clone, Healing brush, Patch tool and other techniques.
- Sharpen images using Smart Sharpen or Unsharp Mask filter, High Pass and other techniques.
- Optimize grayscale images using LAB color, Channel Mixer and other techniques.
- Combine color with grayscale images using Spot Color channels, Duotones and other techniques.
- Demonstrate understanding of basic color management principles and color correction for print.
- Optimize color images for print (CMYK) and (RGB, slices) web.
- Use the pen tool to make selections, save paths and convert to Clipping Paths.
- Use and edit Vector Shape Layers and Type.
- Use warping, perspective, and transform techniques.
- Use Displacement Maps to create desired effects.
- Create and use custom Brushes and Patterns.
- Use History, Art History and Cloning tools for special effects.
- Work with a variety of Blending Modes and Knock-outs to achieve desired results.
- Use selected filters to create controlled special effects.

## Grading System

90 —100 =A, 80 —89 =B, 70 —79 =C 60 —69 =D, 59 >=F

**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

<b>Quizzes Online</b>	25%
Includes online quizzes based upon information in texts and study guides provided.	
<b>Practices (Tutorials) and Lab Participation</b>	25%
Practices are short tutorials on specific skills. These practices are included as part of the daily participation in labs and Blackboard Discussion Board.	
<b>Working Project(s) and Exercises</b>	30%
Projects include edited Self Portrait; Type Exercise: Realistic Composition; and Blending Modes with Special Effects Exercise. These projects will be evaluated on technical execution that involves “non-destructive” editing techniques.	
<b>Culminating Project</b>	15%
Magazine Cover Illustration which will include non-destructive techniques.	
<b>Resource File/Image Diary and Directory Organization</b>	5%
This includes a digital file of class work (disk organization); Photoshop Resources (Urls to tutorials); Tutorials created; Image Dairy; Personal Portfolio. See “Resource File” guidelines for details.	

## Grading Policy/Attendance

**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 and composition standards. Active participation in class discussions, critiques and sharing sessions is essential and considered part of each project grade and final evaluation. Projects will automatically be lowered one letter grade (10%) if turned in past the due date.

**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 and will be a factor in overall grading. **Please turn off cell phones/ pagers during class/lab.**

**Lab attendance** is mandatory and recorded every class. Failure to show up for class and work during lab time will automatically work grade regardless of work quality. There are demonstrations, sharing sessions, quizzes, and possibly guest lecturers that require your attendance. **Online** students need to remain in contact weekly via email. Lack of progress and participation may cause a grade of D or F.

**Late work:** Projects will automatically be lowered by 10% if turned in 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) *Instructor will not drop a student unless by specific request.*

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

## 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.**

## SCAN Competencies: SCANS = Secretary's Commission on Achieving Necessary Skills:

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