

Syllabus CIOS 255-TO1 Microcomputer Graphics: Adobe Photoshop CS3

Instructor

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Course Information

My CIOS Syllabi Web Site<http://www.faculty.uaf.edu/ffsdc/syllabus/>

Contact Information

Email any time. I check my email on a regular basis. If you have questions or need assistance just ask. If you need an appointment email me to make arrangements. I will be in the office, usually, from 9:00 to 12:00 Monday through Thursday. To make sure I am available for a meeting please arrange a specific time using email.

Dates and Time

The class will meet every Monday from 12:30 to 3:30 in room 116 at TVCC, 604 Barnette.

Class Requirements

Required Books

- Adobe Photoshop CS3 Classroom in a Book, Adobe Press, 2007. ISBN 0-321-49202-1

Course Resources

- I will have course handouts for each class to supplement the book.
- There is a course Web Log at <http://cios255.blogspot.com/> with excellent Photoshop learning tools.
- In my office in room 101b I will also have many Photoshop books and magazines that can be used as references.
- There is a film and desktop scanner available for student use in room 116.

Required Technology

- You must have an installed copy of Photoshop CS3 to complete this class. If you do not have your own computer or software you can use the TVC computer labs, when they are not being used for classes.
- You should also install the files and configure the Photoshop environment as described in the Photoshop CS3 Classroom in A Book text book pages 1-9

Required Skills

This course assumes basic computer competence.

- You should be able to save and retrieve files.
- You should be able to navigate menus and dialog boxes
- You should be able to use email and to send attachments
- You should be comfortable using a computer and accessing the Internet.

Course Purpose

Adobe Photoshop CS3 is a comprehensive class that will explore the breadth and depth of using Photoshop. Students will learn to use Photoshop for photography and graphics design. Students will get hands on experience using Photoshop and will be apply to apply Photoshop to their own projects.

Course Competencies

1. To be able to select the appropriate graphic tools for the intended purpose.
2. To be able to understand and apply appropriate copyright and authorship issues when creating graphic documents.
3. To be able to competently use a specific graphics program to create sophisticated graphics for a variety of intended uses.
4. To be able to evaluate the quality of graphics, using criteria that are relevant to the intended use and the strengths and limitations of the tools used.
5. To be able to use the Internet to research current graphic tools, techniques, and design principles.

6. If the application is a vector program, be able to create basic graphics using such concepts as tools, objects, layers, and grouping.
7. If the application is a raster program, be able to create basic graphics using such concepts as pens, brushes, pixels, and resolution.
8. To be able to create graphics that are optimized for printing, the web, or video display.
9. To be able to compress and distribute graphic files.
10. To be able to use scanning, digital photography, or video to gather graphics that can be edited or enhanced with graphic software.
11. To be able to describe the different graphic file formats and to explain why different file formats work better for different purposes.
12. To be able to convert graphic formats so that they can be used for differing purposes.
13. To be able to create and share graphic files with proper virus and security protection.

Course Assignments and Projects

There are fourteen lessons in the text book, we will be doing twelve lessons in class. There will be 12 graded assignments in the course. You may choose to do **EITHER** the hands on lessons in the book or the chapter project described in the syllabus. I also will count points for attendance since much of the content of the course will take place in classroom demonstrations and discussion. Check the CIOS 255 Grade Calculation sheets for the dates of the assignments. The grade calculation sheet is included with the syllabus and is also available for download at the course web site. Make sure to check your grade calculation sheet each week in class.

Course Grading

This is a **graded** class

You will get points for completion of the work. Since there are many ways to complete each project I will evaluate them with you in class. When you are ready to show me either the completed lesson files or the project let me know and I will look at them in class. If there are problems with either a lesson or a project we will discuss it and you can then improve the project. When the lesson or project is complete you will get the assignment points. There are twelve **lessons** or **projects** worth **100** points each.

There is a final **portfolio** presentation that is worth **350** points. You will create a selected **portfolio** of four of your projects, or other examples that represent your work, that you will share with the class. The portfolio presentation should be informal and should emphasize how you used Photoshop to accomplish your goal. You should share what was frustrating about using Photoshop as well as what was successful.

Course **attendance** is important to me. Points are given for attendance. Attendance will be worth a total of **350** points.

The class is organized so that there will be time at the end of class to work on lessons and projects and also to show me your completed lessons and projects. Please use this time well. There will not be enough class time to complete lessons and projects in class and you will need to do significant work outside of class. There are computer labs at TVCC 604 Barnette.

See the grade calculation worksheet that is included with the syllabus and download the functioning worksheet from the course web site. You can keep track of the course assignments using the grade calculation worksheet.

ALL WORK MUST BE DONE WITH THOUGHT AND CARE.

Grade Scale	
90 to 100%	A
80 to 89%	B
70 to 79%	C
60% to 69%	D
59% or Lower	F

Important Dates

Important Academic Calendar Dates

Spring Semester 2008

First day of instruction/Late registration begins.....	Thursday, Jan. 24
Late registration and fee payment end, 6 p.m. (Last day to add classes).....	Friday, Feb. 1
Last day for 100% refund of tuition and fees	Friday, Feb. 1
Last day for student-initiated and faculty-initiated drops (Course does not appear on academic record).....	Friday, Feb. 8
Last day for 50% refund of tuition (Tuition only, no fees refunded)	Friday, Feb. 8
Last day to apply for Spring 2008 graduation	Friday, Feb. 15
Freshmen progress reports due.....	Friday, Feb. 29
Spring Break (no classes).....	Monday-Friday, March 10-14
Last day for student-initiated and faculty-initiated withdrawals (W grade appears on transcript)	Friday, March 28
Registration and fee payment for Fall 2008 semester begins	Monday, April 14
UAF SpringFest (no classes).....	Friday, April 18
Last day of instruction.....	Monday, May 5
Final examinations	Wednesday-Saturday, May 7-10

Academic Honesty

Plagiarism and cheating are serious offenses and may result in failure on exams, papers, projects, or courses. The entire purpose of this class is to acquire useful skills. To cheat is to lose the opportunity to acquire skills.

Student Support Information

TVC Student Assistance Center

The Student Assistance Center provides services that contribute to a successful learning experience and transition to a career. Services are available by appointment and on a walk-in basis.

Staff at the center recognizes the unique concerns of adult and returning students. Services include pre-admission advising, academic assessment and placement advising, financial aid information and application, and assistance with choosing a major. Ongoing academic advising, degree planning and course selection are available.

For more information, contact Student Assistance, UAF Tanana Valley Campus Center, 604 Barnette Street, Fairbanks, Alaska 99701, telephone (907) 455-2851, or visit online at <http://www.tvc.uaf.edu/studentassistance.html>

Disabilities Services

Disability Services, a program of the Center for Health and Counseling, provides services for UAF students with disabilities to ensure equal access to educational opportunities. Services are free of charge and available to any student who qualifies as a person with a disability.

Some of the services provided include note takers, readers, audio-taped texts, test proctoring and other alternative testing arrangements and sign language interpreters. Other available resources include enlarged print and other adaptive materials and assistive technology at the Assistive Technology Lab. Disability Services also provides referral to other campus and community resources, advocacy for students needing accommodations from faculty and staff, and advocacy for students experiencing physical accessibility problems.

To discuss eligibility and available services, call the Center for Health and Counseling at (907) 474-7043 or TTY (907)474-7045 and schedule an appointment with the coordinator of Disability Services.

Course Schedule Spring 2008 CIOS 255 TO1

Date	Lessons	
1/28/08	Course Introduction Introduction to the course, the text book, course expectations, Photoshop Resources, and gathering raw materials. Chapter 1. Getting to Know the Work Area <ul style="list-style-type: none"> • Starting to Work in Adobe Photoshop • Using the Tools • Using the Tool Options Bar and Other Palettes 	<ul style="list-style-type: none"> • Undoing Actions in Photoshop • Customizing the Workspace • Using Photoshop Help • Using Adobe Online Services • Review
2/04/08	Chapter 2. Basic Photo Corrections <ul style="list-style-type: none"> • Strategy for Retouching • Resolution and Image Size • Getting Started • Straightening and Cropping an Image • Making Automatic Adjustments • Manually Adjusting the Tonal Range • Removing a Color Cast • Replacing Colors in an Image • Adjusting Lightness with the Dodge Tool 	<ul style="list-style-type: none"> • Adjusting Saturation with the Sponge Tool • Applying the Unsharp Mask Filter • Comparing Automatic and Manual Results • Saving the Image for Four-color Printing • Review
2/11/08	Chapter 3. Retouching and Repairing <ul style="list-style-type: none"> • Getting Started • Repairing Areas with the Clone Stamp Tool • Using the Spot Healing Brush Tool 	<ul style="list-style-type: none"> • Using the Healing Brush and Patch Tools • Retouching on a Separate Layer • Review
2/18/08	Chapter 4. Working with Selections <ul style="list-style-type: none"> • About Selecting and Selection Tools • Getting Started • Using the Magic Wand with Other Selection Tools • Working with Oval and Circular Selections • Selecting with the Lasso Tools 	<ul style="list-style-type: none"> • Rotating a Selection • Cropping an Image and Erasing within a Selection • Making a Quick Selection • Review
2/25/08	Chapter 5. Layer Basics <ul style="list-style-type: none"> • About Layers • Getting Started • Using the Layers Palette 	<ul style="list-style-type: none"> • Rearranging Layers • Applying a Layer Style • Flattening and Saving Files • Review
03/03/08	Chapter 6. Masks and Channels <ul style="list-style-type: none"> • Working with Masks and Channels • Getting Started • Creating a Quick Mask • Editing a Quick Mask • Saving a Selection as a Mask • Viewing Channels • Adjusting Individual Channels • Loading a Mask as a Selection • Applying Filters to a Mask 	<ul style="list-style-type: none"> • Applying Effects Using a Gradient Mask • Resizing the Canvas • Extracting the Paper Texture • Moving Layers Between Documents • Colorizing with an Adjustment Layer • Grouping and Clipping Layers • Applying a Mask from a Saved Selection • Using Type as a Mask • Review
3/10/08	SPRING BREAK	
03/17/08	Chapter 7. Correcting and Enhancing Digital Photographs <ul style="list-style-type: none"> • Getting Started • About Camera Raw • Processing Camera Raw Files • Correcting Digital Photographs 	<ul style="list-style-type: none"> • Editing Images with a Vanishing-Point Perspective • Correcting Image Distortion • Creating a PDF Portfolio • Review

03/24/08	Chapter 8. Typographic Design <ul style="list-style-type: none"> • About Type • Getting Started • Creating a Clipping Mask from Type • Creating a Design Element from Type 	<ul style="list-style-type: none"> • Using Interactive Formatting Controls • Warping Point Type • Designing a Paragraph of Type • Warping a Layer • Review
03/31/08	Chapter 9. Vector Drawing Techniques <ul style="list-style-type: none"> • About Bitmap Images and Vector Graphics • About Paths and The Pen Tool • Getting Started • Using Paths with Artwork • 	<ul style="list-style-type: none"> • Creating Vector Objects for the Background • Working with Defined Custom Shapes • Importing a Smart Object • Review
04/07/08	Chapter 10. Advanced Layering <ul style="list-style-type: none"> • Getting Started • Clipping a Layer to a Shape • Setting Up a Vanishing Point Grid • Creating Your Own Keyboard Shortcuts • Placing Imported Artwork • Filtering Smart Objects • Adding a Layer Styles • Placing the Side Panel Artwork 	<ul style="list-style-type: none"> • Adding More Artwork in Perspective • Adding an Adjustment Layer • Working with Layer Comps • Managing Layers • Flattening a Layered Image • Merging Layers and Layer Groups • Stamping Layers • Review
04/14/08	Chapter 11. Advanced Compositing <ul style="list-style-type: none"> • Getting Started • Automating a Multistep Task • Applying Smart Filters • Setting Up a Four-Image Montage • Hand-Coloring Selections on a Layer • 	<ul style="list-style-type: none"> • Changing the Color Balance • Applying Filters • Moving a Selection • Creating a Cutout Effect • Matching Color Schemes Across Images • Review
04/21/08	Chapter 12. Preparing Files for the Web <ul style="list-style-type: none"> • Getting Started • Setting Up a Web Design Workspace • Creating Slices • Adding Animation 	<ul style="list-style-type: none"> • Animating a Layer Style • Exporting HTML and Images • Adding Interactivity • Review
04/28	WORK DAY FOR FINAL PORTFOLIO	
05/05/08	SHARE FINAL PORTFOLIO	
05/05/08	LAST DAY TO SUBMIT WORK. ALL WORK SUBMITTED AFTER 3:30 WILL NOT BE COUNTED!	

Course Projects Spring 2008 CIOS 255 TO1

You may do either a **project** or a **lesson** for each week's assignment. Show me the completed lessons or projects when you are ready. There will be time near the end of class to review projects and lessons. It is a good idea to use a USB drive to keep your work. Photoshop files can be large and using a floppy will not be practical. You can also email the files to your self. The content of the projects should represent your own interests.

You will also create a selected **portfolio** of four of your projects, or other examples that represent your work. You will share the portfolio with the class. The portfolio presentation should be informal and should emphasize how you used Photoshop to accomplish your goal. You should share what was frustrating about using Photoshop as well as what was successful.

When you are doing projects, lessons, and your portfolio make sure that you use some of the Photoshop books in my office and also Photoshop web resources to get ideas, inspiration, and procedures.

Date Assigned	Date Due	Project Descriptions
01/28	02/04	Do Chapter 1. Getting to Know the Work Area OR PROJECT 1 Choose at least three photos that you will use for editing and enhancement. Using a digital camera, the desktop scanner, or the negative scanner prepare three images for Photoshop editing. Make sure the files are saved in Photoshop format. The files should be at the highest resolution available for your tools. Show me the photographs.
02/04	02/11	Do Chapter 2. Basic Photo Corrections OR PROJECT 2 When you take a photo you have an intention or purpose that you want to communicate. Quite often the actual picture does not match your intention. Enhance an individual photo so that it better represents your original intention. Try two other interpretations. Show me all four photographs, the original photograph and the three different interpretations..
02/11	02/18	Do Chapter 3. Retouching and Repairing OR PROJECT 3 Retouch a picture of a human so that it is "improved". Photoshop can be used to flatter or enhance the subject of a photograph, show me the original and "improved" version.
02/18	02/25	Do Chapter 4. Working with Selections OR PROJECT 4 Take a photograph and select at least three objects within the photograph, drag the selections into a different arrangement, apply a Layer Style or two and hopefully create an image that looks coherent. Have fun and show me the result when you are finished.
02/25	03/03	Do Chapter 5. Layer Basics OR PROJECT 5 Take the image that you tore apart in Project 4 and put each of the parts on a separate layer. Rearrange the layers, turn the different layers off and on, and create a new image, from the same parts used in lesson 4. You will learn more by trying new things and exploring and experimenting. Weird is better than beautiful for this exercise. Show me the results.
03/03	03/17	Do Chapter 6. Masks and Channels OR PROJECT 6 This exercise is complex and important; instead of doing a project do the lesson. It is important to get a grounding in Masks and Channels and some of the procedures do not work without experience.
03/10		SPRING BREAK
03/17	03/24	Do Chapter 7. Correcting and Enhancing Digital Photographs AND PROJECT 7 Do the Photoshop Editing Scenario Handout. The purpose of the scenario is to consolidate your ability to apply Photoshop to edit photographs.
03/24	03/31	Do Chapter 8. Typographic Design OR PROJECT 8 Create a poster that used different text effects, show one poster that is in good taste and another that is "too weird". Show me both interpretations.

03/31	04/07	Do Chapter 9. Vector Drawing Techniques OR PROJECT 9 Create a poster or flier using text and layer styles. Photoshop has many layer styles and text tools that are valuable for fliers and handouts. Create a flier that represents an application of these tools. Show me the flier or poster.
04/07	04/14	Do Chapter 10. Advanced Layering OR PROJECT 10 Find a Photoshop procedure on the web and apply it to one of your images. The web is an excellent resource for using Photoshop. There are many web sites with procedures to accomplish different design tasks. Choose a procedure from a web site, show the source, and then apply the procedure to one of your images. .
04/14	04/21	Do Chapter 11. Advanced Compositing OR PROJECT 11 Create a composite image using at least three separate images. Select portions of three images and combine them into a new image. Adjust the layers so that the image reflects your intention. Use blend modes, and layering to create different interpretations of the image. You can demonstrate the different interpretations using Layer comps. Show me the results.
04/21	04/28	Do Chapter 12. Preparing Files for the Web OR PROJECT 12 Take a single image and prepare it to print on an 8.5X11” page. Take the same image and optimize it to display on the web. Show me both images and describe the process that you used.
04/28	04/28	WORK DAY FOR FINAL PORTFOLIO
05/05	05/05	SHARE FINAL PORTFOLIO WITH THE CLASS Select a portfolio of four class projects, or other examples of your work, that represent the application of Photoshop skills. Create a method, printing, the web, or a computer presentation to share these examples with the class. Explain how you used Photoshop to enhance your work. The portfolio presentation should be informal and relaxed.
05/05	05/05	LAST DAY TO SUBMIT WORK. ALL WORK SUBMITTED AFTER 3:30 WILL NOT BE COUNTED!