

Pho 127 - Digital Photo Imaging 1

Washtenaw Community College - Fall, 2009

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Course Description:

Digital Photo Imaging 1 is an introductory class in digital photographic imaging. Class will involve lectures, software demonstrations and hands-on activities as we explore making digital images with cameras and scanners; catalog and archive the images with Adobe Photoshop Lightroom; develop techniques for editing with Adobe Photoshop CS4; and, explore different means of presenting the images both in print, on video and on the World Wide Web.

You should already have a basic understanding of basic photographic equipment and processes.

We'll use the lecture, critiques, assorted Internet resources, small group discussions and writing assignments to explore a variety of topics that relate to digital photography and imaging.

Textbook:

No textbook is required.

Required Supplies:

External hard drive (USB 2 or Firewire -80 GB or higher)

2 Printing punch cards from the Cashier's Office

DVD -Rs and CD-Rs

8 1/2 X 11 Epson Matte or Glossy Inkjet paper or equivalent

Notebook for storing and moving prints (I like a 3-ring binder and 8 1/2 x 11 inch photo sleeves)

Course Objectives:

The student will be able to —

Define and use basic computer and digital imaging terms;

Perform basic computer operations (navigation, storage, file management);

Define image formats and their uses;

Demonstrate an effective photo management and processing workflow;

Import, name, add metadata and catalog images on an external hard drive and other storage media using Adobe Photoshop Lightroom;

Implement good color management strategies;

Create quality scans and image captures from scanners and digital cameras;

Restore and retouch old photographs;

Demonstrate effective techniques with layers, selections and image adjustments in

Photoshop CS4; and,

Create inkjet prints, a video portfolio and a Web Photo Gallery.

Course Requirements:

Attendance - 10%: Success in this class will be greatly enhanced by good attendance. You are expected to attend every class on time and remain for the scheduled time. Your attendance grade will be reduced by a full grade for every two absences after the second absence. Each class counts as three Attendance Points. Arriving late and leaving early will affect your grade.

Participation - 10%: Active participation in large and small group discussions, critiques (showing your work and sharing your opinions) and online discussions is expected from all.

Digital Discussions - 10%: During the course of the term there will be several opportunities to work both online and in small groups to share ideas, resources, web sites and show images you have gathered that relate to digital photography.

Mid-term and Final Exams - 20%: We will have both a mid-term and final exam that covers technical details, info from lectures, shortcuts and computer and imaging terms.

Assignments - 25%: There will be a variety of assignments over the course of the term where you will demonstrate your skills. There will be critiques where you will be expected to show your work in progress for the assignments. The assignments will be due in print form after the critiques to allow you to refine your work.

You will also turn in a contact sheet of all the images used in the creation of each assignment.

*You get half credit when you turn in a a file for an assignment critique and the other half credit when you make an **acceptable** final print of the assignment and show me both the print and the contact sheet.*

Final Portfolios - 25%: You will present your work in three ways - 1) All five of your assignments as mounted prints or in book form: 2) A web gallery of your five assignments on the Internet; and, 3) a video slideshow with music and titles. The web gallery and video will be burned to a CD to turn in on the last day of class.

Academic Integrity:

I expect to see and read your work. Except for assignments that require you to use the work of other photographers (i.e., "Restoring Old Photographs") you should be creating original work for this class.

See the WCC policy on Academic Dishonesty at

<http://www.wccnet.edu/trustees/policies/index.php?policy=4095>

Pho127 Schedule Fall 2009

Date	Topics
1-Sep	Introduction to course-Syllabus and Schedule Class expectations Class web page - Blackboard- Resources Supplies Class introductions Computer Basics -Macs, navigation, file management and tricks, Storage and networks.
3-Sep	Introduction to digital imaging -Bits,Bytes: Kilo,Mega and Giga Decimal & Binary systems Pixels,Camera sensors, RGB color Resolution - Camera, Screen, Image Intro Assignment 1 Intro to Lightroom Library Mode -import, organizing and archiving
8-Sep	Digital Discussions - using the class discussion in Blackboard Lightroom -Develop mode part 1 import and archive images for Ass. 1
10-Sep	Lightroom Develop Module - part 2 Localized adjustments - adjustment brush Work on Assignment 1
15-Sep	Digital Discussion 1- "Pick a Photographer" Lightroom Print Module Lightroom practice Work on Assignment 1
17-Sep	Critique Assignment 1 and Contact Sheet Intro Photoshop Tool palette and Layers
22-Sep	Photoshop Adjustment Layers Layer Masks Selections Intro Assignment 2
24-Sep	More Photoshop Adjustment Layers Layer Masks Selections; Digital Discussion 1 due
29-Sep	Photoshop Compositing - Layer Masks
1-Oct	Advanced selections, Modify selections, Refine Edge, Save Selection. Compositing techniques and Layer Masks; Individual web sites on Google, Blogger, Picasa Web Albums; Morph X; Assignment 1 print due Work on Ass. 2.

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6-Oct	Digital Discussion 2 - Find a tutorial Gradients; Layer Masks; Work on Ass. 2
8-Oct	Printing in Photoshop; Color management; Ink and paper. Color correction - Color Balance, Hue and Saturation, Curves; Work on Ass.2 - printing.
13-Oct	Intro Ass.3 - Photo Restoration; Work on Ass. 2;
15-Oct	Assignment 2 Critique; Assignment 2 print due; Mid-term Review
20-Oct	Bring an old damaged photo to scan; Epson scanner demo - Crop and Straighten in Photoshop; History, History Brush, Snapshot Advanced selections Noise reduction, Dust and scratches filters, Gaussian and Motion Blur filters
22-Oct	Assignment 3 Critique; Retouching techniques Healing brush, clone stamp, patch tool, spot healing; Work on Ass.3;
27-Oct	Intro Assignment 4 - Replication of Style Mid-Term Exam
29-Oct	
3-Nov	Digital Discussion 3; Photoshop Effects and Actions
5-Nov	Assignment 3 print due; Stop Action Demo- The work of Harold Edgerton
10-Nov	Student Opinion Questionnaire;
12-Nov	Introduction to iMovie
17-Nov	
19-Nov	Online photo storage, editing and display sites and tools; Photoshop Express, Piclens, Flickr, Picnik, Picasa Web Albums Critique Assignment 4; Digital Discussion 3; Intro to Assignment 5 - HDR Images, Panoramas and Panographics
24-Nov	No class
26-Nov	No class
1-Dec	Assignment 4 print due; Create a web site; HTML, FTP

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3-Dec	iMovie, Web Photo Galleries Jalbum, Galerie,iPhoto, Lightroom, Photoshop
8-Dec	Digital Discussion 4 - Most interesting process or technique
10-Dec	Assignment 5 Critique and print due Final Exam Review
15-Dec	Final Exam
17-Dec	Portfolio presentations - Turn in web gallery and video portfolio CD