

CIOS 258 TW1 Lesson Outline Week 4

Assignments

10/04	10/11	<p>Editing and Enhancing your Photographs: Composition, cropping, alignment, and perspective.</p> <p>Look up one photo editing procedure on the web. Provide the link to the photo editing procedure to the web log, and then apply the procedure to one of your photographs. Post the original photograph and the edited photograph to the web log. You may use Photoshop, Elements, Picasa, or Lightroom for this exercise.</p> <p>Editing and Enhancing your Photographs: Dynamic range, shadows, highlights, color, and other global adjustments</p> <p>Using Photoshop, Photoshop Elements, Adobe Lightroom, or Picasa edit an individual photo in three different ways so that it represents alternative interpretations of your intention. Describe the different tools that you used and evaluate the results. Post the original photograph, the three interpretations, and the description to the course web log.</p>	200	40
10/11	10/18	<p>Local adjustments, cloning, retouching, sharpening, noise, and creating an editing workflow</p> <p>I will describe a few common photographic editing scenarios. I want you to describe how you would optimize your photograph using a photo editing tool. There are many different solutions. Describe the commands that you would use to remedy the problem.</p>	400	40

Lesson Schedule

10/04	<ul style="list-style-type: none"> Editing and Enhancing your Photographs: The photograph does not look right, now what do I do? More editing and enhancing skills: composition, cropping alignment, and perspective. <i>Student selected Photo walk (With Cameras)</i>
10/11	<ul style="list-style-type: none"> More editing and enhancing skills: Local adjustments, cloning, retouching, sharpening, noise, and creating an editing workflow Sharing Photographs: I really like these photographs I want others to see them? <i>Student selected Photo walk (With Cameras)</i>
10/18	<ul style="list-style-type: none"> Work day for the final portfolio <i>International Friendship Day Pioneer Park (Photo Walk)</i>
10/25	<ul style="list-style-type: none"> Sharing the Final Portfolio
11/01	<ul style="list-style-type: none"> No class, last day to submit work for credit!

Lesson Outline

1. Photography Editing Scenario Handout
2. Common Photo Editing Problems
3. Evaluating Photographs for editing
4. Composition, cropping alignment, and perspective.
5. Dynamic range, shadows, highlights, color, and other global adjustments:
6. Local adjustments, cloning, retouching, sharpening, and noise.
7. Creating an Editing Workflow
8. Picasa Workflow
9. Lightroom Workflow
10. Photoshop Workflow
11. Katrin Eismann Photoshop DVD

Editing Photographs: (The photograph does not look right, now what do I do?)

Editing or enhancing a photograph clarifies and expresses your original photographic intention. Photoshop or Picasa are tools to improve or clarify your original intention. Using cropping, straightening, editing, adjusting the dynamic range, sharpening, cleaning up small details, and adjusting color are means to clarify a photograph. Using software to adjust an image is as important as using a darkroom to print an image, software is an integral part of digital photography.

There are many ways to use Photoshop and many different ways to solve identical problems. In this course we will be using a limited subset of Photoshop tools that I have found useful. The crucial idea is that you develop your own individual subset of Photoshop procedures that will accomplish your goals.

Picasa is an excellent, free, alternative to using Photoshop, for editing digital photography. For many people Picasa will be sufficient, but it is not a professional tool. Picasa will seem limited if you have invested the time to learn Photoshop. Picasa has two serious limitations, there are no tools to remove dust or clutter, and there is no method of doing selective enhancements to an image. Picnik is a new web based photo editing tool. The advanced version costs \$25 per year, and is worth it. Picnik also integrates with Flickr and Picasa Albums.

What is a good technical photograph?

A good technical photograph should not be an accident. Even if a photograph is technically excellent, it does not mean that it is an excellent photograph, an excellent photograph can be technically terrible. Some of the attributes of an excellent technical photograph include clear composition, a full tonal range, appropriate colors, appropriate sharpness, and no distracting technical flaws.

Evaluating the image: What image problems are you trying to solve?

The first crucial step to editing a photograph is to evaluate the photographic problems that you want to solve. Or to establish a creative interpretation of the photograph that will require editing. If you have no purpose you have no tasks! Most photographs have a common set of tasks that should be evaluated. When you are preparing to edit your photograph go through this list to make a mental set of tasks that you want to accomplish. Depending on the tasks you might not need to use the full capability of Photoshop to edit your photograph.

Problem: There are too many tools and choices and I do not know where to begin

Solution: Evaluate the image

Solution: Organize the workspace

Problem: Composition, frame, or point of view

Solution: Cropping

Problem: Tilted or crooked image

Solutions: Straightening

Problem: Limited dynamic range and poor exposure

Solution: Adjusting the Dynamic Range

Problem: Poor color or color caste

Solutions: Neutralizing highlight and mid tone color cast

Problem: Blurred image detail

Solution: Sharpening

Problem: Image Noise

Solution: Reducing Luminance and Chroma Noise

Problem: Junk in the photograph

Solution: Remove the junk

Problem: Part of the image needs tonal adjustment

Solution: Select and remedy the problem

Problem: Enlarging or reducing image size for printing

Solution: Resample Image

Problem: Subject Blur

Solution: Retake the photograph or accept the way it is!

Problem: Wrong plane of focus

Solution: Retake the photograph or accept the way it is!

Problem: Poor content

Solution: Retake the photograph or accept the way it is!

Problem: Wrong moment in time.

Solution: Retake the photograph or accept the way it is!

Demonstration of evaluating some photographs

- **What is the goal or editing your image?**
- **Image Editing Tool Matrix**

<http://www.cysewski.com/digitalphotography/C258imageeditingtools.pdf>

Demonstrate, cropping, straightening, and adjusting perspective or key stoning using:

- **Picasa**
- **Picnik**
- **Adobe Photoshop Lightroom**
- **Adobe Camera Raw**
- **Adobe Photoshop**

Demonstrate dynamic range, shadows, highlights, color, and other global adjustments:

- **Picasa**
- **Picnik**
- **Adobe Photoshop Lightroom**
- **Adobe Camera Raw**
- **Adobe Photoshop**

Demonstrate local adjustments, cloning, retouching, sharpening, and noise:

- **Picasa**
- **Picnik**
- **Adobe Photoshop Lightroom**
- **Adobe Camera Raw**
- **Adobe Photoshop**

How to create an editing workflow

What is a good technical photograph?

A good technical photograph should not be an accident. Even if a photograph is technically excellent, it does not mean that it is an excellent photograph. An excellent photograph can be technically terrible. Some of the attributes of an excellent technical photograph include clear composition, a full tonal range, appropriate colors, appropriate sharpness, and no distracting technical flaws.

A digital workflow is a simple, repeatable, set of steps that you use to edit a photograph. In order to create a workflow you should follow these steps:

- Choose a typical photograph
- Analyze the photograph
 - Describe how you want to improve the photograph.
- List your editing tasks (I have listed some common editing categories)
 - Composition
 - Dynamic Range
 - Color
 - Sharpness and noise
 - Details and distractions
 - Method of sharing
 - Archiving
- Put the editing tasks into a logical order
- List the tools that you will use to accomplish each editing task
- List the options and settings that you used for each task.
- Compare your original goal with your final results
- Make a list of your editing steps; this is your preliminary digital workflow.
- Try the workflow on a different photograph

Once you have a predictable set of steps that you use to edit a photograph you have created a digital workflow. Once you have a digital workflow it is easy to explore and expand your use of editing tools.

Picasa Workflow: In what order do you solve image problems?

Evaluate Image

Basic Fixes

- Straighten
- Crop
- Auto Contrast
- Auto Color
- Fill Light
- Maybe Undo and then use Tuning

Tuning

- Fill Light
- Highlights
- Shadows
- Color Temperature
- Neutral Color Picker

Effects

- Sharpen
- B&W

Share

- Email
- Web Log
- Web Album

Lightroom Workflow

Essential Lightroom Develop Concepts

- Lightroom Modules
 - Library Module
 - Develop Module
 - Slideshow Module
 - Web Module
 - Printing Module
- Lightroom Catalog
- Exporting Changes to File
- Quick Develop (Relative)
- Crop
- Histogram Display
- Basic Module (Top to Bottom)
 - White Balance
 - Exposure
 - Recovery
 - Fill Light
 - Black
 - Brightness
 - Contrast
 - Clarity
 - Vibrance
 - Saturation
- Tone Curve
- Synchronize
- Presets
- History
- Snapshots

Demonstrate the Following Procedures Using Lightroom

- Problem: Lightroom has too many tools and I do not know where to begin
- Problem: Composition, frame, or point of view
- Problem: Tilted or crooked image
- Problem: Limited dynamic range and poor exposure
- Problem: Poor color or color caste
- Problem: Blurred image detail
- Problem: Image Noise
- Problem: Junk in the photograph
- Problem: Part of the image needs tonal adjustment
- Problem: Enlarging or reducing image size for printing
- Problem: Subject Blur
- **Solution:** Retake the photograph or accept the way it is!
- Problem: Wrong plane of focus
- **Solution:** Retake the photograph or accept the way it is!
- Problem: Poor content
- **Solution:** Retake the photograph or accept the way it is!
- Problem: Wrong moment in time.
- **Solution:** Retake the photograph or accept the way it is!

Photoshop Workflow

Photoshop is confusing and overwhelming. There are multiple ways to accomplish identical tasks. Experts recommend many different procedures that are not consistent. In order to use **Photoshop** with confidence it is necessary to develop a simple and predictable digital workflow. Once you have a digital workflow it is easy to expand and modify your use of **Photoshop**.

Essential Photoshop Concepts

- Layers
- Background Layers
- Adjustment Layers
- Blending Modes
- Channels
- History
- Snapshots
- Opacity
- Global and Local adjustments
- Selection
- Layer Masks
- Re-sampling

Problem: Photoshop has too many tools and I do not know where to begin

Solution: Organize the workspace

Photoshop Tools and Procedures

Palettes
Histogram
Layers
Channels
History
Navigator
Save workspace
Remove menus
Learn Keyboard Shortcuts
Set up Neutral color background
View
Fit on screen
100%

Problem: Composition, frame, or point of view

Solution: Cropping

Photoshop Tools and Procedures

If the image is crooked straighten before your crop
Crop Tool
Perspective

Problem: Tilted or crooked image

Solutions: Straightening

Photoshop Tools and Procedures

Ruler
Rotate Arbitrary
Lens Distortion Filter
Perspective
Key stoning

Problem: Limited dynamic range and poor exposure

Solution: Adjusting the Dynamic Range

Photoshop Tools and Procedures

Shadow Highlight Command

Background Layer Copy since no adjustment layer

Auto Color, Auto Contrast, Auto Levels

Customizing Auto commands

Auto Color

Enhance Per Channel Contrast

Snap Neutral Mid Tones

Change Target Color and Clipping

From .50 to .05%

Save as default

Adjustment Layers

Levels

Using Levels

Alt Drag to show shadow and highlight clipping

Use Output slider for blown highlights at least reduce the intensity of the white.

Curves

Curves for Tonal Correction

S shaped curves

Ctrl Click to set points on curve

Use an adjustment layer for curves

Lockdown Curve Idea

Blend Modes

Multiply

Screen

Opacity

Highlight Shadow

Duplicate Background Layer

Exposure and contrast

Problem: Poor color or color caste

Solutions: Neutralizing highlight and mid tone color cast

Adjust White Balance

Photoshop Tools and Procedures

Variations

Duplicate Background Layer

Levels or Curves Adjustment Layer

Eyedropper

White Point

Black Point

Middle Grey

Problem: Blurred image detail

Solution: Sharpening

Photoshop Tools and Procedures

Smart Sharpen

Copy of Background Layer since no adjustment layer

Unsharp Mask

In Camera Sharpening

Problem: Image Noise

Solution: Reducing Luminance and Chroma Noise

Photoshop Tools and Procedures

Filter Noise Reduce Noise
Basic Mode
Accept the Default Settings

Problem: Junk in the photograph

Solution: Remove the junk

Photoshop Tools and Procedures

Adjustment Layer
Clone Stamping
Healing Brush
Use All layers
Alt Click
Create selection to put a boundary around the effect
Patching
Spotting

Problem: Part of the image needs tonal adjustment

Solution: Select and change the problem

Photoshop Tools and Procedures

Adjustment Masks
In Camera Settings

Problem: Enlarging or reducing image size for printing

Solution: Resample Image

Photoshop Tools and Procedures

Resample Image
Bicubic
Bicubic Sharper for reducing
Bicubic Smoother for enlarging

Problem: Subject Blur

Solution: Retake the photograph or accept the way it is!

Problem: Wrong plane of focus

Solution: Retake the photograph or accept the way it is!

Problem: Poor content

Solution: Retake the photograph or accept the way it is!

Problem: Wrong moment in time.

Solution: Retake the photograph or accept the way it is!

Selected Lessons from Katrin Eismann DVDs

This DVD covers the essential concepts to use Photoshop to edit photographs. I highly recommend any books by Katrin Eismann.

Chapter 1 : Introduction and Palette Settings

Lesson 1 : Introduction

Eleven reasons to appreciate Adjustment Layers.

Lesson 2 : Levels and Settings

Explains efficient workspace and palette settings.

Lesson 3 : Saving Files with Adjustment Layers

Addresses saving files in the Photoshop and TIFF file formats.

Lesson 4 : Why Hi-Bit?

Learn the advantages and disadvantages of working with 8-bit and high-bit images.

Chapter 2 : The Value of Neutral

Lesson 5 : Levels Application

Introduction to Layers and correcting exposure and removing color casts.

Lesson 6 : Finding Neutral Part 1

Setting the black and white target values for Levels and Curves.

Lesson 7 : Finding Neutral Part 2

Finding white, black and grey to remove color casts caused by lighting and incorrect camera settings.

Lesson 8 : Finding Neutral Part 3

Taking advantage of memory colors to define neutral.

Lesson 9 : Finding Neutral Part 4

Removing extreme color contamination from antique images.

Lesson 10 : Finding Neutral Part 5

Working with Auto Levels to achieve professional results.

Lesson 11 : Finding Neutral Part 6

The importance of cropping before using Auto Levels.

Chapter 3 : Working Efficiently

Lesson 12 : Working with Macbeth

Using a known reference for accurate color correction.

Lesson 13 : Transferring Corrections

Sharing image corrections and using the Luminosity Blending Mode to improve images.

Chapter 4 : Improving Exposure Techniques

Lesson 14 : Correcting a Tintype

Understanding Blending Modes and improving a dark image.

Lesson 15 : Correcting Underexposure

Combining Blending Modes and 'Blend If' to rescue dark images.

Lesson 16 : Correcting Overexposure

Harness the power of Blending Modes to quickly improve over-exposed images.

Lesson 17 : Selective Lightening

Using Selections and Layer Masks to control and refine tonal corrections.

Optional (Probably Not Shown)

Chapter 5 : The Digital Darkroom

Lesson 18 : Introduction to Dodging

Non-destructive dodging technique to lighten image areas.

Lesson 19 : Introduction to Burning

Two edge burning techniques used to darken image corners.

Lesson 20 : Contrast and Enhancement

Using adjustment layers to enhance tone and contrast to make an image pop.

Lesson 21 : Balancing Exposure and Color

Enhancing daylight and color to balance an image.

Chapter 6 Creative Color

*Lesson 22 : Photo Filter to the Rescue
Removing fluorescent light color casts with a custom Photo Filter.
Lesson 23 : Color Toning
Beautiful mono and split toning techniques.
Lesson 24 : Color and BW Together
Combining color and black and white to create unique images.
Lesson 25 : Hand Coloring*