

DESN 350 Digital Imaging and Photography Week 2 Assignments

In Long text, Read:

Ch 6 Exposure Basics

Ch 14 Editing Workflow and First Steps

1. Short Written Assignment

Make up a quick and useful shortcut sheet for *your* camera as illustrated in class. It should fit on *one page*, or ½ page if the font is not too large!

This can help you remember how to use your critical camera controls effectively, and be quick and useful for you. So please do it in your own words Include any instructions you wish to remember, and also include...

- camera *model* information,
- how to force the *flash on/off*,
- how to set the exposure compensation +/-,
- how to set *white balance*,
- how to shoot *aperture-* and *shutter-priority*,
- how to use *spot focus*, *spot or zone exposure*,
- what the automatic exposure *modes* do, at least 4-6 that you will probably actually use!
- how to activate the *self-timer* control,
- how to make your camera take *RAW* or *TIFF* images.

2. Photography Assignment: Images with lines as the dominant element.

Submit *four* of your best images *featuring lines as the dominant element*. Use Photoshop to add a *caption* on or below each image explaining the role played by lines in the image (as abc below), before you turn them in.

Also, this week strive to have *every part of every image in focus*. Narrow aperture or scenery mode.

- At least one example with lines strongly communicating depth or *perspective*. (Convergent lines)
- At least one example of a line that *leads* the eye to the subject of the image. (There should be something to find in the image at the end of the line!)

c • At least one example of lines that have an *inherent beauty or interest* but are *not usually noticed* by the casual observer.

3. Photography Assignment: Exposure

Submit one image that you took, and that you used and obviously needed *over or under exposure* (exposure compensation +/-). This means the image should feature either a dark or light subject that fills most of the frame, and the exposure should have been adjusted to keep the subject realistically dark or light. (Look for a +/- button. *If you don't know how to do this with your camera, ask your instructor.*)

Tutorial Assignments With Photoshop (These are quick!):

4. Open the image straighten_me.jpg (chairs) and follow the tutorial pp.353-355. You will find the image at drbraukmann.com or on the disk accompanying your textbook. Watermark and turn in a JPEG image.
5. Open the graphwall.tiff and correct the barrel and pincushion distortion in the same manner as shown in the tutorial pp. 356-358. Watermark and turn in a JPEG image.
6. Use the Lens Correction filter to correct the perspective of Perspective_Correx.tif (skyscraper) as in the tutorial pp. 359-361. Watermark and turn in a JPEG image.

7. Photoshop Assignment

You are given an image (not from your textbook) of a *church*. Fix the lens distortion in the image using Photoshop and add a watermark and turn in a JPEG image.

Study Questions from Long, Ch 6 Exposure Basics
What problems does an *over-exposed* image have?

What problems does an *under-exposed* image have?

What is *aperture*?

What is a good reason to use a *higher* ISO?

What is a good reason to use a *lower* ISO?

+1 stop means *how much more* light hits the sensor?

Which aperture is *physically smaller*: f8 or f4?

How does *shutter speed* affect your image? (both ways+/-)

How does *aperture* affect your image? (both ways+/-)

What is *depth-of-field* in an image?

Study Questions from **Long, Ch 14 Editing Workflow and First Steps**

What is the best order for doing the following edits?

1. Cropping, correcting lens (perspective) distortion
2. Dust/spot removal
3. Tonal (brightness/contrast) adjustment
4. Color correction
5. (optional) Change to grayscale image
6. Retouching, glamorizing
7. (optional) Compositing – merging images
8. Noise reduction
9. Sharpening
10. Optimizing for print or other media

What is an image histogram?

What are the goals of image cropping? (see ch 9 also)

From the Class

What are some strategies for composing strong pictures?

In what ways do line elements contribute to interest or communication in an image?

What is "clipping" in an image? How does it appear on a histogram?

How do you add a caption with PS?

In photographs, what do lines communicate?

What should you include if you have a leading line?

What do converging lines do in an image?

What is an implied line?

What type of line communicates energy? Peace?

What is the difference between spot focus and zone focus?

What are two great and different uses for a self-timer?

How do you use exposure compensation?

What is bracketing?