

# Depth Of Field and ISO Control

For this assignment you will be balancing all 3 parts of the exposure triangle- shutter, aperture, and ISO. For each shooting situation you will make 2 matching photographs: The first using a small aperture on the camera (f/11-f/32) the second with the aperture set to its largest setting (f/3.5-5.6). Other than changing the aperture and ISO, both photos should be identical- same composition and focused on the same point.

- When you are using your largest aperture you should use the lowest ISO setting you can while still keeping a usable shutter speed. When using your smaller apertures you will need to increase your ISO for a usable shutter speed.
- Try getting moving close or zooming close to your subject. You will notice the greatest difference in the depth of field when your subject is close. See the pair below.
- Limit your ISO to the 100 to 1600 range and *always* use the lowest ISO setting you can while still maintaining a usable shutter speed. In the menu setting for the camera, go into the ISO sensitivity settings, then turn ISO sensitivity control to OFF. This way the camera will not set the ISO automatically. You can then set your ISO for each shot by clicking the “i” button on the bottom left on the back of your camera and going to the ISO menu there.

You will hand in a contact sheet of no less than 3 but no more than 4 matching pairs (6-8 total images). Title each image with your aperture, ISO setting, and shutter i.e. 1\_f16.ISO800.s60.jpg, 2\_f3.5.ISO100.s30.jpg, 3\_f11.ISO400.s125.jpg, etc.

**The grading will be on the Cs: *Completion*** of the assigned photography, ***Creativity*** in imagery (Don't panic. Have fun with it- it will show.), and ***Clarity***. Please remember to focus and keep an eye on the shutter speed to make sure you are not shooting at too slow a speed.

As always, email Mr. Craig with questions.



f/22



f/2.8

Mr Craig's Digital Photography

Shallow Depth of Field - image by Sally Mann



Wide Depth of Field - image by Ansel Adams

