- Chapter 9 Assignment -

In the process of completing this assignment I learned a few things. First and foremost is cameras are a pain in the ass. Trying to figure out a camera’s settings without looking anything up can be very time consuming. After figuring out how to work my brothers camera I placed three books on the table and spread them a few inches apart. In the first half of the project I was working with manual settings and changing the ISO and f-stop. After shooting at each f-stop I saw the image getting gradually darker. While in the second half of this I used aperture-priority mode and instead of the image getting darker the other objects around my focus became sharper. After everything I felt better about using the camera and would like to play around with

it further.

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Assignment Description

1. Take an adjustable camera that is not a cell phone or any camera on which shutter speed and f-stops cannot be adjusted. Set it on a stable surface. Line up three objects in front of the lens. Stagger them left to right and be making certain that each is set back a few inches from the one in front of it. Tennis balls work well for this. Set the camera on manual and the ISO at 400.

The ambient light for this assignment should not be in bright sunlight or at night. Average light such as an overcast day would be ideal.

From the vantage point of front-to-rear, focus on the object in the middle which would be the second object from the lens. Set the shutter speed at a 90th of a second and an f-stop of 2.8. If your camera doesn’t have an iris opening as low as f-2.8, use the next highest one. This could be f-3.5, f-4 or f-4.5

Shoot one picture. Now go to the next highest f-stop. We’ll assume that’s f-4 or f-5.6. Make another picture and continue this process until you’ve made a picture at every f-stop until you reach f-22 which, on most cameras will be the highest f-stop.

Review these pictures and note the difference in the brightness from first to last.

2. With the same set-up, change the camera setting from manual to aperture-priority. Repeat the above assignment, changing the f-stop from lowest to highest.

In looking at your results, notice that the brightness of your images has not changed, but that the depth-of-field has increased, making the front and rear objects appear sharper.