

**Depth of Field and Movement Assignment for SINGLE LENS REFLEX CAMERAS**

**Part one: Depth of Field**

1. Get one roll of 100 ISO film or set your digital camera to your slowest ISO. You will need 30-40 exposure (film or digital) and a tape measure. Use a tripod if you have one.
2. Choose 6 subjects (a person or a tree or a chair or other objects with texture and detail)
3. Choose a locale with even lighting.
4. Place one object 2 feet from the camera; the next object should be 4 feet from the camera. The next object should be 7 feet from the camera and the next should be 15 feet from the camera and the next 20 feet from the camera. The last object will be 30 feet from the camera.
5. Focus on the object 7 feet away with your 50 mm lens or equivalent.
6. Without moving yourself or your subjects, shoot the following f-stops. Write the shutter speeds you use next to the f-stops. Do not refocus between shots.

Be sure to use the proper shutter speed for each f-stop! (This means you will use equivalent exposures) Customize the chart to match your lens!

Focal length used:		
F-stop	Shutter speed	Notes
F2		
F2.8		
F4		
F5.6		
F8		
F11		
F16		

**Part two: Movement**

1. Continuing, use your 50 mm lens or equivalent and your tripod if you have one to record motion.
2. You must select a subject that can show a rapid, repeatable motion. You could have a person walking or a fan or any other objects that moves at a consistent rate.
3. Fill your frame with your subject.
4. Photograph your model or object in motion at the shutter speeds below. Change your f-stop according to your meter so that you always have a proper exposure. If the meter indicates an over exposure on the very long exposures, you can shoot them, indicating an overexposure on the chart, use a filter like a red or polarizer to hold back light or move your subject into a darker place.

Focal length used:		
Shutter speed	F-stop	Notes
1/500		
1/125		
1/30		
1/15		
1/4		

