

Introduction to Basic Photography

Photo Assignment #3: Shutter Speed - Stopping action / blurring motion

Due Thursday Oct 2

What is due?

- 1) 10 jpeg digital images, approx. 1080 pixels on the long edge, placed in a folder on our server space at: [afp://photoserver.viscom.ohiou.edu](http://photoserver.viscom.ohiou.edu)
- 2) A digital "contact sheet" in PDF format showing at least 50 of your camera raw images. Place this also on our server space.
- 3) A signed parental model release if you photographed anyone under 18 years of age. A hard photocopy or PDF on the server is OK.

This is an exercise to help you better understand shutter speeds, and their impact on the appearance of photographs.

Unless the light is dim, setting a low ISO speed on your camera may help you utilize some of the slower shutter speeds required in this exercise.

Shoot in Camera-Raw format on your camera. You'll convert the files to jpegs in post-processing.

The Shoot:

Try to be as creative as possible. Make this fun.

1. How slow can you hand-hold? Let's find out! Make a series of photos of any STATIONARY subject or object. Use the camera hand-held, and make a series of exposures at 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, and 1/125th of a second while concentrating on holding the camera steady. Be sure to change your f-stop for each shutter speed change (exposure equivalents). Use a focal length that is approximately normal for your camera, perhaps 35mm or 50mm (equivalent). Keep a paper record of your exposures. This is a purely technical exercise.
2. Shoot a MOVING subject (bicyclist, runner, skater, dancer, sports) using a slow shutter speed, somewhere between 1/8th and 1/30th of a second, and pan the camera to make the moving subject sharp against a blurred background. A slightly longer focal length may be helpful.
3. Shoot an interesting scene with people or cars moving from side to side within the scene. Keep your camera very steady by using a tripod, backpack, bracing against a wall, bag of rice or beans, or other device. Use a shutter speed of 1/15th or slower to blur the subject against the sharp background.
4. Shoot another scene, as above, with a subject / object moving from side to side, (not moving directly toward or away from you) but this time use a high shutter speed, 1/250th or higher. Remember to adjust your f-stops for a proper exposure, watch your meter.

List of Whole Stop Apertures

1 1.4 2 2.8 4 5.6 8 11 16 22

List of Whole Stop Shutter Speeds

1 1/2 1/4 1/8 1/15 1/30 1/60
1/125 1/250 1/500 1/1000 1/2000

Submit your photos to the server as usual.

Seven photos from Part 1, and one photo each from Parts 2, 3, 4. Ten total photos.

Submitting the Files:

In the Assignment 2 folder, place the selected JPGs plus the PDF contact sheet named as follows:

Re-name your selected files as: LastName_FirstInitial_ss_01.jpg

Examples: Jones_R_ss_01.jpg Jones_R_ss_02.jpg Jones_R_ss_03.jpg etc.

The PDF contact sheet would be named Jones_R_ss.pdf

Grading:

This set of photos is worth 100 points out of the 1200 total points for the class. The photo in Part 1 will be evaluated on technical merit alone. The remaining photos will be weighted 75% for technical merit, and 25% for aesthetic merit. Try to match the expected blur vs. sharp to the subject matter, and don't shoot the same subject / object for Parts 2, 3, 4.