Assignment Title: “Movement and Motion”

Objectives: To explore the use of movement in photography and introduce the use of shutter speeds and how shutter speeds affect motion and communication in a photograph.

Materials:
35mm DSLR camera, any lens. (ISO 100, Large/Fine Jpeg, manual exposure mode) Tripod (required, for Purposeful Blur)

Requirements:
1. Photograph a minimum of 90 frames (30 each of Stop Motion, Selective Blur, Panning), these will be edited down to 45 selected “Best” images.
2. ISO 100, Large/Fine Jpeg
3. Manual Exposure Mode or Shutter Priority

End up with three different photographic subjects:
One photo to illustrate how to “Stop Action”, a second subject that illustrates “selective blurring”, and a third subject that illustrates “panning”. Try many different subjects and situations, each final photo must be of a different subject.

Stop Action: Photograph a subject with a fast shutter speed (250, 500, 1000 or Higher); freeze the motion of your subject.
• The subject should be sharp and the motion of the entire subject frozen.
• Photograph outdoors in sunlight (mid morning or mid afternoon recommended).
  - After setting the camera at a shutter speed of 250 or faster, meter the subject and use the f-stop that corresponds with that shutter speed. Or use the automatic Shutter Priority exposure mode Tv (Canon), S (Nikon).
  - Shoot 30 frames exploring this technique.

Selective (Purposeful) Blur: You must use a tripod with this technique. Have at least one element in your photograph static (not moving) to provide contrast to the movement of the subject. Take your picture as the subject is moving through the composition. Use a slow shutter speed, 1/4 or slower. Do not follow your subject for this technique.

- You may see some blurring in parts of the moving subject. You must also have an area of sharpness, from an object that is static.
- Photograph in less intense sunlight, late in the day or in a shaded area.
- Note: After setting your shutter speed to a 1/8 (or longer), meter the subject carefully and change the f-stop to what your meter indicates is correct for 1/8 (or longer) shutter speed.
- Shoot 30 frames exploring this technique.
• **Panning:** Photograph a subject with a slow shutter speed (1/2 second or longer), follow (move) the subject with the camera (Pan the camera with the subject) taking the picture while the camera and subject are in motion.
  - The result should be a sharp subject with a blurred streaking background.
  - Photograph in less intense sunlight, late in the day or in a shaded area.
  - To get the sharpest possible subject, follow the speed of your subject carefully and take the picture while the camera and subject are in motion.
  - After setting the camera to 1/8 (or longer), meter the subject and use the f-stop that your meter indicates is correct for the shutter speed.
  - Shoot 30 frames exploring this technique, it takes a lot of tries to get a good shot!

**45 IMAGES TOTAL, AFTER EDITING, ARE REQUIRED FOR THE ASSIGNMENT.**
- Roughly 15 of each: Stop Action, Purposeful Blur, Panning.

**Printing**
Make one 10” (Long Dimension) print of each shutter speed effect (3 total): Stop Action (1), Panning (1) and purposeful blur (1).

**Print file naming as follows:** *(sized, renamed “print”, and saved as a Tiff file)*
(your last name) _4567_stop_print.tif last
(your last name) _4568_selectblur_print.tif
(your last name) _4569_pan_print.tif

**Presentation** No mounting is necessary on this assignment, **DO NOT TRIM PRINTS.**

**Contact Sheet**
Make 2 contact sheets of 45 “Edited” (15 each of Stop, Selective Blur, Panning ) best images that you shot for the assignment and 3 print files.

**Flash Drive**
Include a flash drive that contains the following: 45 “Best” images that you shot for the assignment, 3 print files, and Contact sheet files.

**9 X 12 or 12 X 15.5” Envelope**
Enclose the three prints, the printed contact sheets, and the flash drive, in the manila envelope.

**Label Your Envelope**
On the outside of the manila envelope, put:
Your Name
Photo 123/Barrett
Date
Assignment #4 Motion

**Due:** Beginning of Lecture. Check Weekly Schedule sheet for due date.
Stop Action (shutter-speed 500 or shorter), photo is taken at the “peak” of the action.

Selective Blur (shutter-speed 1/8 or longer), Part of the composition is static and the moving object is blurred.