

Assignment 5: Freezing motion with strobes - due 11/13

When using available light, motion is frozen by using a fast shutter speed

- examples: 1/500 to 1/1000 sec.

When using strobes or flash, the duration of the burst of light becomes your effective shutter speed - this is 1/10,000 sec or even shorter

For this assignment, we will be using strobes to freeze motion

Assignment has 2 parts:

1. objects in motion: can include figure that is generating the motion (juggler, etc)

- examples:

- balls, cans, cards, bursting balloon, salt coming from shaker, blowing confetti
- water or other liquid being poured into container (don't get paper wet)

- background paper: use small paper for these photos: white, grey, or black

- if your idea requires a horizontal surface, use same table we used for still-life

2. human figure in motion:

- jumping, dancing, cartwheels, flipping hair

- avoid poses that look stationary when frozen

- background paper: use large blue paper

- these shots should include most or all of the figure

Lighting: use lighting that best highlights the motion so it's clearly visible

for part one:

- rim lighting (light slightly behind subject) often works well to highlight your subject

- silhouette lighting may work well, if you're using a white background

for part 2:

- fully diffuse may work best for full-figure shots (like Fashion assignment)

Camera settings:

- set shutter speed at **1/250**; use f-stop that flash-meter indicates

- focusing:

- for some subjects, you may want to pre-focus before subject moves
- if doing silhouettes, put camera in Manual focus mode

Clean up:

- studio should be as clean when you leave as when you arrived

REQUIREMENTS:

shoot and save: at least 40 photographs

- shoot a mix of part 1 and part 2, but probably more of part 2
- use 2 backgrounds, and 2 lighting setups

Hand in on 11/13:

2 contact prints, showing at least 40 pics

- black and white, if most pics are B&W; in color, if most pics are color

4 enlargements:

- 1 or 2 from part 1 and 2 or 3 from part 2
- these should show at least 2 lighting setups

- color vs black and white:

- we are using a blue background just for a new experience, but you can still print in black and white
- only print in color if color clearly adds something to the photo