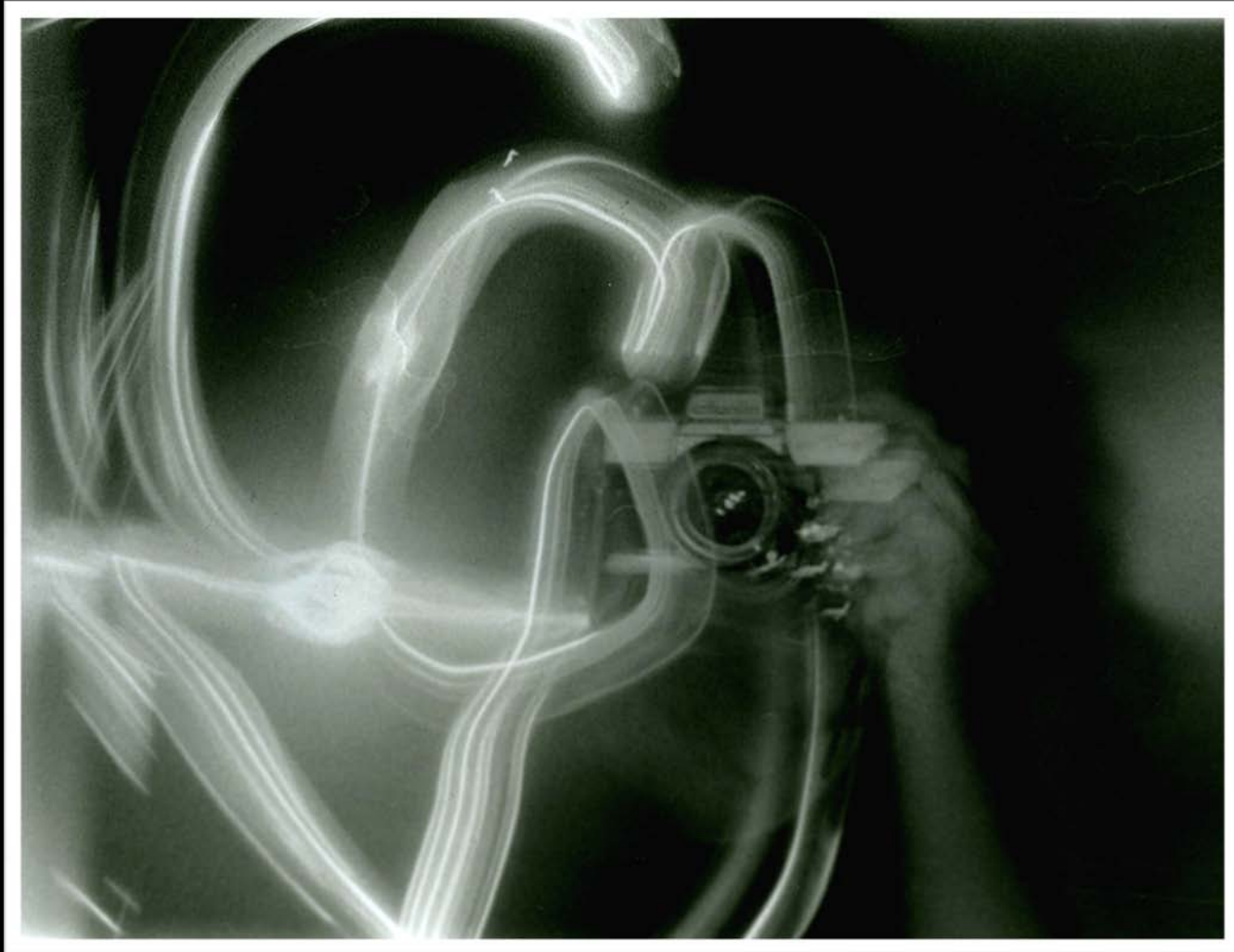


Motion & Light



Controlled Motion

Motion is conveyed to viewer with some blur.



Exposures 1-4: Controlled Motion Blur. To obtain this use slow shutter speeds: $1/15$, $1/30$, or $1/60$.

TIP: For shutter speeds slower than $1/60$ of a second, brace yourself , find a stable base or use a tripod.

Blurred Motion



Frozen Motion



Stopped Motion

- **Fast shutter speed = Frreeeze. Make it an interesting subject.**



Panning

- Small aperture.
- Follow subject w/ camera while pressing down shutter.
- Blurs background, subject is in focus



Panning



LIGHT



Quality of light

- 2 main types
 - **Hard light**
 - Sun
 - Flash without diffuser

Results in:

- Contrast
- Less detail

- **Soft/diffused light**

- Cloudy
- Shade

Results in:

- Showing form
- Shows detail



Direction of Light

- **Front Lighting**

- Light source behind camera



- **Back Lighting**

- Light source behind subject



- **Side Lighting**

- Light source either side



Sun – Hard Light



Candlelight



Filtered Light



Low Light

- Light Trails-
 - Long shutter speed
 - Traffic trails
 - Light Painting
- Star Trails-
 - Wide aperture
 - Leave shutter open all night



Silhouette



Where is the light source?
The subject?

Side Lighting

Traffic Trails



Assignment (Motion Shots)

- **Exposure 5-8:** Frozen Motion. Use a fast shutter speed like $1/125$ or $1/500$.
- **Exposures 9-12:** Panning. Use a shutter speed like $1/30$, $1/15$, or $1/8$. Use a tripod! Begin following your subject BEFORE opening the shutter.

Assignment (Light Shots)

- **Exposures 13-20:** Demonstrate different types of lighting (harsh, diffused, low light). Try lighting the subject from the front, back, and side.

Cat

