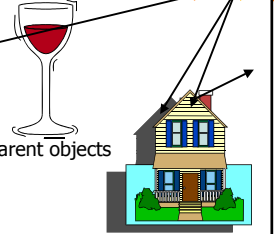


Photography

An Introduction

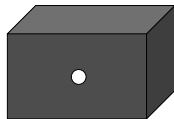
Exposure

- Light
 - Strikes a subject
 - Reflects
 - Absorbs
 - Transmits - transparent objects



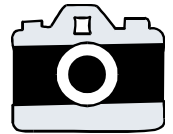
The Camera

- Basically, a light tight box
 - Hole allows light to enter
 - Pinhole camera



Sophistication

- Lens
 - focuses light on the film
- Aperture
 - controls the *amount* of light reaching the film
- Shutter
 - controls the *time* light reaches the film



Light and Film

- Light strikes film
 - Silver based
 - Latent image
 - There but not visible
- Processing
 - Silver struck by light turns black - density
 - No light
 - No or little density

The Negative

- Film processing
 - Subject light areas now dark
 - Subject dark areas now light
- Contacting
 - Proofs the same size as film
- Enlarging
 - Subject light areas now light
 - Subject dark areas now dark



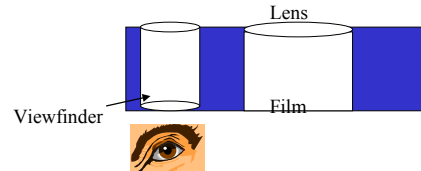
Camera Types

- Point and shoot
 - Fixed focus
 - Non adjustable
 - f/stop
 - shutter speed
 - Parallax
 - Non-interchangeable lenses



Parallax

- The difference between the image seen through the viewfinder and that recorded by the lens



Camera Types

- Twin lens reflex
 - Adjustable
 - focus
 - shutter
 - f/stop
 - Non interchangeable lenses
 - Parallax



Camera Types

- Single lens reflex (SLR)
 - Adjustable
 - focus
 - f/stop
 - shutter
 - No parallax
 - Completely manual to automatic
 - Interchangeable lenses



Camera Types

- Medium format
 - 2 1/4" film
 - High price
 - Adjustable
 - focus
 - f/stop
 - shutter
 - Interchangeable lenses



Camera Types

- Large format view camera
 - 4x5 or 8x10 sheet film
 - Heavy, requires tripod
 - Image preview on ground glass
 - Interchangeable lenses



Camera Types

■ Digital

- Low end
- Point & shoot
 - same qualities
 - non interchangeable lenses
- Most under \$1000
- Quality
 - web pages
 - e-mail
 - small images



Camera Types

■ Digital

- High end
- Same qualities as 35mm SLR
- \$15,000
- High resolution
- Catalogs, annual reports, hi quality photography



Camera Types

■ Digital

- High end
- High resolution
- High price - \$60,000+