

Existing Light Photography

Existing Light

- Also called available light
- The light we live by
- Picture taking by available light
- Pictures taken at low light levels

Requirements

- Fast film
 - ISO 400 - high sensitivity
- Fast lens
 - Wider open aperture
 - $f/2$, $f/1.8$
 - Zoom and telephotos difficult with min. $f/3.5$
- Tripod - steady for long exposures
- Cable release - minimizes camera movement

Law of Inverse Squares

- Light falls off by 1/4 when the distance doubles
- Exposures
 - Sometimes - best guesses
 - Guidelines



Law of Reciprocity

- Exposure = intensity x time
- Equal exposures on every shot
- 2x rule on f/stops and shutter speeds
- Breaks down on low light exposures

Guesstimating

- What exposure to use?
- Follow the guidelines in the chart
- Bracket

Pushing Film

- Exposing the film at higher than normal speeds
- Shoot ISO 400 at 800
 - Doubles the sensitivity
 - Allows 2 f/stops more open than at 400
 - Disadvantage - grain
- Process at 1 1/2 x normal time