

# Manual

**Objective:** To manually change the **ISO**, **Aperture**, and **Shutter Speed** to match the shooting environment. Other settings such as **White Balance** may also have to be changed according to shooting in *Daylight* verses shooting indoors under *halogen/light* bulb produced light.

**Bracketing:** In photography, bracketing is the general technique of taking several shots of the same subject using different camera settings. Bracketing is useful and often recommended in situations that make it difficult to obtain a satisfactory image with a single shot, especially when a small variation in exposure parameters has a comparatively large effect on the resulting image.

**Directions:** Students will shoot **three** different scenes/objects under differentiating lighting conditions such as daylight verses shadows or indoor lighting.

- **All photo scenes/objects must be bracketed**
- **All photos must be resized before they will be graded. (Ctrl-Alt-I: Image Size)**
- **Daylight:** ISO \_\_\_\_\_, Shutter \_\_\_\_\_, F-Stop (Aperture) \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_.
- **Shadow:** ISO \_\_\_\_\_, Shutter \_\_\_\_\_, F-Stop (Aperture) \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_.
- **Your Choice:** ISO \_\_\_\_\_, Shutter \_\_\_\_\_, F-Stop (Aperture) \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_.

Example of Bracketing in Shadows



ISO 400, Shutter 1/160  
**F 4.5**



ISO 400, Shutter 1/160  
**F 5.6**



ISO 400, Shutter 1/160  
**F 8**



ISO 400, Shutter 1/160  
**F 4.5**



ISO 400, Shutter 1/160  
**F 5.6**



ISO 400, Shutter 1/160  
**F 8**