







Depth of Field and Aperture

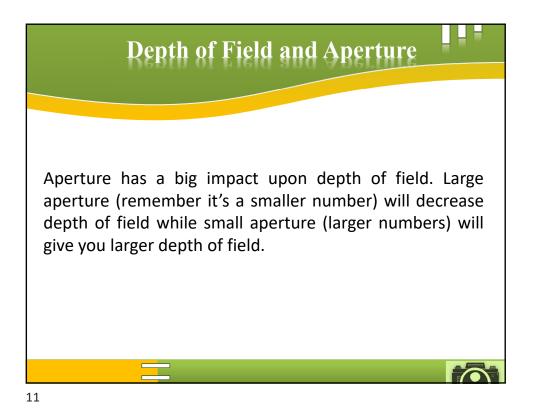
Depth of Field (DOF) is that amount of your shot that will be in focus. **Large depth of field** means that most of your image will be in focus whether it's close to your camera or far away. For example, the landscape shot above has an aperture of f/16 and the result is that both the mountain in the background and the boats in the foreground remain in focus.

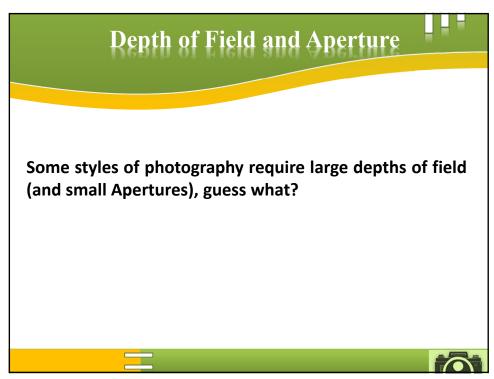


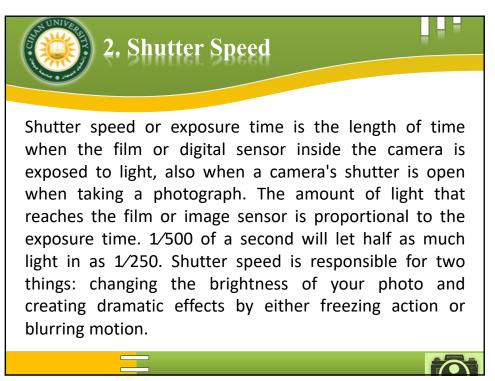
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Small (or shallow) depth of field means that only part of the image will be in focus and the rest will be fuzzy like in this portrait. You'll see in it that the subjects' eyes are in focus, but the background is blurred. Even her hair which is only a little behind her eyes is blurred. This is a very shallow depth of field and was taken with an aperture of f1.8).



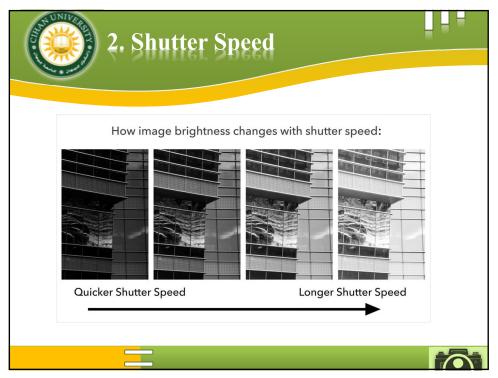




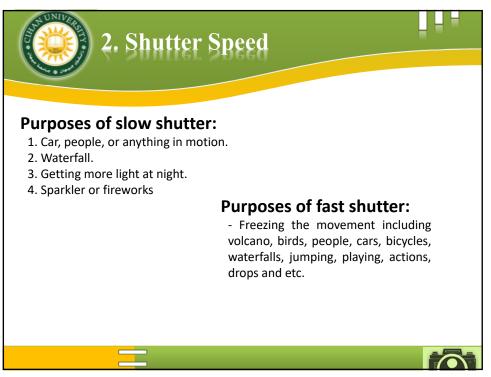






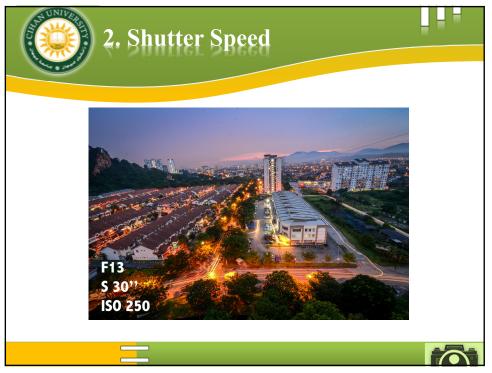


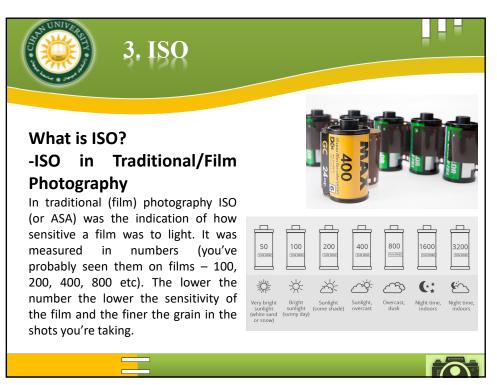


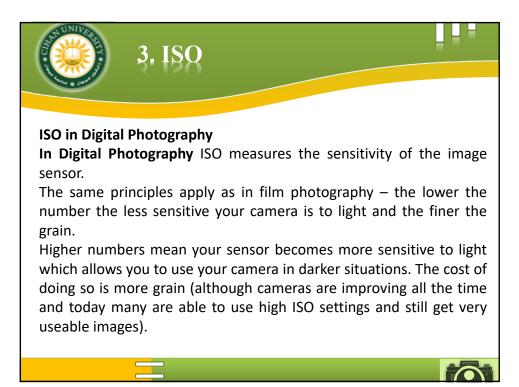














3. ISO

The "normal" range of ISO is about 200 to 1600. With today's digital cameras you can sometimes go as low as 50 or as high as 204,800. The number chosen has two important qualities associated with it. First, it sets the amount of light needed for a good exposure. The lower the number, the more light required. The more light that's required, the more likely a slow shutter speed will have to be used. That means low ISOs, like 100 or 200, are most often used in bright situations (like sunlight) or when the camera is mounted on a tripod. If you don't have a lot of light, or need a fast shutter speed, you would probably raise the ISO.



