

Focal Length

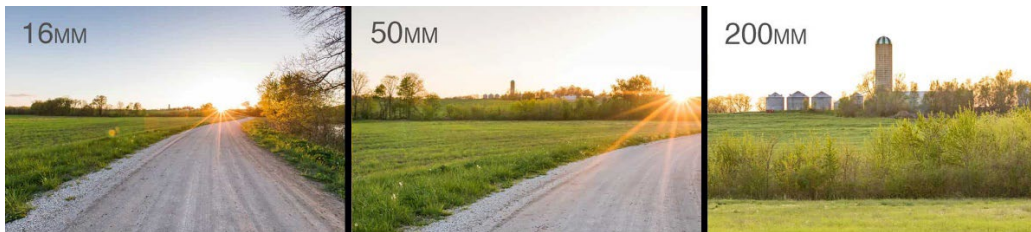
This assignment is worth 15 marks & will be posted to your Production page

Objective: Demonstrate how different focal lengths change the magnification, perspective, and compression within an image. A wide-angle lens exaggerates perspective, while using a telephoto lens gives the effect of compressing perspective, bringing elements closer together in the frame.

You may work in pairs for this assignment. That means you and one other person may share and use the same images.

Your Task: Take two series of photos that demonstrate differences in focal lengths

- ✓ Decide on a composition and take the same picture from the same vantage point, one with a small focal length, a second with a medium focal length, and a third with a longer focal length. This series will work best with landscape, architecture, or street photography and should demonstrate mainly the changes in *angle of view* and *magnification*.



Take a portrait of a person or object with the same framing, one with a small focal length, a second with a medium focal length, and a third with a longer focal length. This series should mostly demonstrate *perspective compression*.



- ✓ Combine your images into one canvas in Photoshop. Using a text box, label each photo with the focal length. You do not need to label exposure levels or camera model for this assignment.
- ✓ Optional: instead of creating a series of your three images in Photoshop, you can make an animated GIF for your portrait sequences of images.

Hints:

- To get the same framing for the second series, you'll need to move back and forth.
- Sample focal lengths: 20mm | 50mm | 100mm

NOTE: *your focal lengths don't have to be the same as those listed above, this is an example of what they could be and yours should showcase a similar range.*

Assessment

Series 1: Subject	Technical: ✓ Appropriate range ✓ Combined as GIF or in Photoshop ✓ Labeled with mm /3	Differences in: ✓ Angle of View ✓ Magnification /2	Composition ✓ Well composed ✓ Clear focal point /2
Series 2: Portrait	Technical: ✓ Appropriate range ✓ Combined as GIF or in Photoshop ✓ Labeled with mm /3	Differences in: ✓ Compression /2	Composition ✓ Well composed ✓ Clear focal point /2
Posted to production page			/1
Total Marks			/15