NREM 345
Week 1

Reading assignment: Paine pp. 1-16, and 27-35, Ch3 & Ch17, 18, 19, 20, or 21

Material covered this week contributes to the accomplishment of the following course goal:

**Goal 1:** Develop the understanding and skills necessary for accurate measurement of direction, distance, area, and height from aerial photos

*Information obtained from your reading assignment, lectures, and lab will help set the stage for use of aerial photos in measuring distance, direction, areas and heights.*

After studying class notes and reading assignments, and participating in lab, you should be able to:

- Explain the following terms:
  - Remote Sensing
  - Photogrammetry
  - Lens Angle
  - Parallax

- Diagram and explain the various categories of photos including:
  - Terrestrial
  - Aerial
  - True and titled Verticals
  - High and Low Obliques

- List the advantages and disadvantages of vertical and oblique photos

- Identify and describe the similarities and differences between a controlled mosaic and an uncontrolled mosaic

- Describe the following photo characteristics
  - Format
  - Contact print vs. enlargement
  - Single weight vs. double weight paper
  - Glossy vs. semi matte finish
  - Paper, Mylar, or transparency base
  - Black & white, color, or color infrared

- Correctly mount aerial photos for viewing in stereo