ES302 Final Lab Portfolio Checklist **Due Thursday June 14, 2012**

Final Exam Thursday June 14, 2012 10 AM – 12 PM

In a neat, professional 3-ring binder, compile the following exercises in the order listed below. Use tab separators to organize:

(1) Waltham Text Chapter 5 Trigonometry Problems (5-1 through 5-8 + 5-11).
http://www.wou.edu/las/physci/taylor/g302/waltham_chap5_trig.pdf

(2) Introduction to the Three-Point Problem (1-page exercise)
http://www.wou.edu/las/physci/taylor/g302/three_pt_problem_intro.pdf

(3) Strike and Dip of Coal Bed from a Topographic Map (3-Point Problem)
http://www.wou.edu/las/physci/taylor/g302/three_pt.pdf

(4) Application of Ternary Diagrams to Geologic Problems
http://www.wou.edu/las/physci/taylor/g302/ternary.pdf

(5) Introduction to Rose Diagrams
http://www.wou.edu/las/physci/taylor/g302/intro_rose_plots.pdf

(6) Contour Interpolation Problem (4-point problem + 1-page contour map)
http://www.wou.edu/las/physci/taylor/g302/ES302_contour_interpolation.pdf

(7) Intro to Office / Excel Tutorial
http://www.wou.edu/las/physci/taylor/g302/Excel 2007 tut.doc

(8) Introduction to Contouring and Digital Elevation Models
http://www.wou.edu/las/physci/taylor/g302/intro_contouring_dem.pdf

(9) Surfer Software Tutorial
http://www.wou.edu/las/physci/taylor/g302/surf_tut1.pdf
http://www.wou.edu/las/physci/taylor/g302/surf_tut2.pdf

(10) Application of Excel to Hydrologic Problems (Climate Analysis)
http://www.wou.edu/las/physci/taylor/g302/orclima.pdf

(11) Intro to Geostatistics Reading Questions
http://www.wou.edu/las/physci/taylor/g302/dataanal.pdf

(12) Using Surfer to Create 10-m Digital Elevation Maps
http://www.wou.edu/las/physci/taylor/g302/surfdem.pdf

(13) Using Surfer to Create 1-m Lidar Elevation Models
http://www.wou.edu/las/physci/taylor/g302/surf_camus_lidar.pdf

(14) Measuring Map Areas Using Planimeter
http://www.wou.edu/las/physci/taylor/g302/measuring_scaled_map_areas.pdf

(15) Watershed Delineation and Drainage Area Measurment
http://www.wou.edu/las/physci/taylor/g302/watershed_delineation_drainage_area_exercise.pdf