ES302 Quantitative Methods Spring 2015
Final Lab Portfolio Checklist (Updated June 5, 2015)

Final Lab Practicum Wednesday June 10, 12-2 PM

Week 7 Tasks
22. Pittsburgh Coal 3-Point Problem   http://www.wou.edu/las/physci/taylor/g302/three_pt.pdf
23. Introduction 3-Point Problem   http://www.wou.edu/las/physci/taylor/g302/three_pt_problem_intro.pdf
24. Application of Trigonometry to Geologic Problems Part II (Q. 5.4, 5.7, 5.19, 5.22)
    http://www.wou.edu/las/physci/taylor/g302/waltham_chap5_trig.pdf

Week 8 Tasks
25. Introduction to Contour Drawing and Interpolation
    http://www.wou.edu/las/physci/taylor/g302/ES302_contour_interpolation.pdf
26. Introduction to Geostatistics and Data Analysis (complete pages 1-3 of review questions)
    READING: http://www.wou.edu/las/physci/taylor/g302/dataanal.pdf
    REVIEW QUESTIONS: http://www.wou.edu/las/physci/taylor/g302/stat_ex.pdf

Week 9 Tasks (Anticipated)
27. Lab: Measuring Scaled Map Areas Using a Planimeter
    http://www.wou.edu/las/physci/taylor/g302/measuring_scaled_map_areas.pdf
28. Lab: Watershed Delineation and Measurement
    http://www.wou.edu/las/physci/taylor/g302/watershed_delineation_drainage_area_exercise.pdf
29. Lab: Introduction to Rose Plots
    http://www.wou.edu/las/physci/taylor/g302/intro_rose_plots.pdf
30. Lab: Application of Ternary Diagrams to Geologic Problems
    http://www.wou.edu/las/physci/taylor/g302/ternary.pdf

Week 10 Tasks
31. Surfer Tutorial (Lesson 1 through 6 inclusive, screen shots and printouts with name in portfolio)
    http://www.wou.edu/las/physci/taylor/g302/surf_tut1.pdf
    http://www.wou.edu/las/physci/taylor/g302/surf_tut2.pdf

32. Lab Exercise: Introduction to Rasters and DEMs
    http://www.wou.edu/las/physci/taylor/g302/intro_raster_dem_exercise.pdf
33. Lab Exercise: Using Surfer to Build Digital Elevation Models
    http://www.wou.edu/las/physci/taylor/g302/surfdem.pdf
34. Lab Exercise: Using Surfer to Build Lidar-Based Digital Elevation Models
    http://www.wou.edu/las/physci/taylor/g302/surf_camus_lidar.pdf