ES302 Quantitative Methods Spring 2017
Weekly Assignment Lab Report 2 Checklist (Updated June 9, 2017)
FINAL EDITION

Week 6

6-1. Overview of Using Engineer's Scale http://www.wou.edu/las/physci/taylor/g302/engineer-architect-scales.pdf
6-2. Map Measurement Engineer's Scale
http://www.wou.edu/las/physci/taylor/g302/map_measurement_exercise.pdf
6-3. Scaling and Map Drawing (NS218 Lab)
http://www.wou.edu/las/physci/taylor/g302/Intro_scale_map_drawing.pdf
6-4. Scaled Map of Classroom (NS218 Lab Layout)
http://www.wou.edu/las/physci/taylor/g302/class_map_exercise.pdf

Week 7

7-1. Waltham Chapter 5 Problems Trigonometry Applications (Q. 5.1, 5.2, 5.3, 5.5, 5.6)
http://www.wou.edu/las/physci/taylor/g302/waltham_chap5_trig.pdf
7-2. Introduction to Triangulation and Leveling
http://www.wou.edu/las/physci/taylor/g302/introduction to Triangulation_ver3_sp2015.pdf

Week 8

8-1. Video Tutorial on the Three-Point Problem
http://www.wou.edu/las/physci/taylor/g302/ES302_Intro_3pt_Problem_Tutorial_Youtube.pptx
8-2. Introduction to the Three-Point Problem
http://www.wou.edu/las/physci/taylor/g302/three_pt_problem_intro.pdf

Week 9

9-1. Introduction to Rose Plots
http://www.wou.edu/las/physci/taylor/g302/intro_rose_plots.pdf
9-2. Application of Ternary Diagrams to Geologic Problems
http://www.wou.edu/las/physci/taylor/g302/ternary.pdf
9-3. Introduction to Contouring and Interpolation
http://www.wou.edu/las/physci/taylor/g302/ES302_contour_interpolation.pdf
9-4. Introduction to Digital Images and Spatial Scale Resolution
http://www.wou.edu/las/physci/taylor/g302/Spatial_Resolution_exercise.pdf

Week 10

10-1. Introduction to Stereographic Projections
http://www.wou.edu/las/physci/taylor/g302/stereo_graphic_projections.pdf
http://www.wou.edu/las/physci/taylor/g302/ES302_In_class_ex_intro_stereonets.pdf
10-2. Introduction to Geostatistics and Data Analysis (Review questions: p. 1-3, Review Questions 1-13)
http://www.wou.edu/las/physci/taylor/g302/stat_ex.pdf
http://www.wou.edu/las/physci/taylor/g302/dataanal.pdf

Optional Extra Effort Points (10 pts possible): 500-800 word summary of 5 of the 9 ES407 Senior Seminar Presentation from Academic Excellence Showcase.

Moodle Upload, Lab Report 2, Due by Wednesday June 14, 11 PM

Final Quiz / Lab Practicum: Wednesday June 14 1 PM, NS017