**ES341 Winter 2013 – Assignment Checklist (Updated Feb. 4, 2013)**

**Digital Portfolio Instructions:**

Outline of Content:

1. Title Page with name, class, instructor, stylized cover graphic related to GIS
2. Table of Contents with checklist of portfolio contents, in order prescribed by Professor
3. Provide a title page for each exercise or weekly assignment bundle in the portfolio.
4. Provide a title page for multi-page exercises, especially the text tutorials

Compile PDFs into one combined document, not as Adobe bundled attachments. Make your portfolio document a stand-alone, readable file that can be easily posted to the web. Combine your individual documents into one portfolio file

File Naming Convention for your portfolio submission: *Lastname*\_ES341\_Midterm\_Portfolio.pdf

Upload to Moodle

Week 1

-Read Clarke (2003) Introduction to GIS Chapter

<http://www.wou.edu/las/physci/taylor/es341/clarke_ch1.pdf>

-Complete Introduction to Topgraphic Maps Exercise (Monmouth Quad)

<http://www.wou.edu/las/physci/taylor/es341/mapintro.pdf>

-Complete in-class lat-long conversion / PDF creation / Email attachment exercise

<http://www.wou.edu/las/physci/taylor/es341/lat_long_decimal_conversion_in_class.pdf>

-Complete Introduction to Contouring and Digital Elevation Models Exercise

<http://www.wou.edu/las/physci/taylor/es341/intro_contouring_dem.pdf>

Week 2

-Complete Basics of Vector-Raster Data Exercise

<http://www.wou.edu/las/physci/taylor/es341/vecrasex.pdf>

-Introduction to Contouring and Digital Elevation Models

<http://www.wou.edu/las/physci/taylor/es341/intro_contouring_dem.pdf>

-Work on Price Text Chapter 1 Reading and Tutorial Exercises

Read p. 9-23, Answer chapter review questions (p. 24) 1, 2, 3, 6; work through Mastering Skills Tutorial p.

25-39 answering all the embedded questions, complete exercises 1-6 and 10 on p. 40. Screen capture each significant outcome of the skills tutorial and include in PDF portfolio submission. Place short-answers to embedded questions on a 1-page MS-word document, convert to PDF (do not scan all of the Mastering Skills Pages).

**-Week 1-2 Lab Deliverable Moodle Test Submission (Due by 5 PM, Wed. Jan. 16)**

**Log on to moodle…** <https://online.wou.edu/>

-In Class Raster Grid Exercises, “Vector Data Model” Class Notes

<http://www.wou.edu/las/physci/taylor/es341/vector.pdf>

-p. 3 Geometric Elements and Topology

- p. 4 scaling exercise

- p. 6 Root mean Square Error Exercise

-Introduction to Georeferencing, Map Themes and Spatial Associations

<http://www.wou.edu/las/physci/taylor/es341/Intro_Map_Themes_Layers.pdf>

Week 3

-Read Clarke (2003) Chapter 3 – GIS Data formats

<http://www.wou.edu/las/physci/taylor/es341/clarke_ch3.pdf>

-Read Clarke (2003) Chapter 2 – Map Projections

<http://www.wou.edu/las/physci/taylor/es341/clarke_ch2.pdf>

-In-Classes Exercises from “Map Projections and Coordinate Systems” Note Set

<http://www.wou.edu/las/physci/taylor/es341/project.pdf>

-p. 2 In-Class Exercise: Spatial Scales and Digital Image Resolution

-p. 4 In-Class Exercise - Measuring Great Circle Distances on the Globe

-In Class Raster Grid Exercise, p. 3 “Raster Data Structure” Class Notes

<http://www.wou.edu/las/physci/taylor/es341/raster.pdf>

-Work on Price Text Chapter 2 Reading and Tutorial Exercises

Read p. 41-52, Answer chapter review questions (p. 53) 1, 2, 3, 8, 9, 10; work through Mastering Skills Tutorial p. 55-69 answering all the embedded questions, complete exercises 1-10 on p. 70. Screen capture each significant outcome of the skills tutorial and include in PDF portfolio submission. Place short-answers to embedded questions on a 1-page MS-word document, convert to PDF (do not scan all of the Mastering Skills Pages).

-Work on Price Text Chapter 3 Reading and Tutorial Exercises

Read p. 71-83, Answer chapter review questions (p. 84) 3, 5, 7; work through Mastering Skills Tutorial p.

85-98 answering all the embedded questions, complete “Exercise” at bottom of p. 98. Screen capture each significant outcome of the skills tutorial and include in PDF portfolio submission. Place short-answers to embedded questions on a 1-page MS-word document, convert to PDF (do not scan all of the Mastering Skills Pages).

Week 4

-Complete Key Word Review Exercise

<http://www.wou.edu/las/physci/taylor/es341/gis_intro_concept_key_word_exercise.docx>

-Complete “Managing Oregon Map Projections in Arc Map” tutorial exercise

<http://www.wou.edu/las/physci/taylor/es341/Managing_Projections_in_Arc_Map.pdf>

-Work on Price Text Chapter 11 Reading and Tutorial Exercises (Map Projections)

Read p. 295-309, Answer chapter review questions (p. 310) Q1-9; work through Mastering Skills Tutorial p. 311-325 answering all the embedded questions, complete exercises 1-7 on p. 326. Screen capture each significant outcome of the skills tutorial and include in PDF portfolio submission. Place short-answers to embedded questions on a 1-page MS-word document, convert to PDF (do not scan all of the Mastering Skills Pages).