

## ES341 Winter 2013 – Assignment Checklist Part 2 (Midterm to Final Exam) (Updated March 11, 2013)

### Week 7

- Task 7A. Work on Price Text Chapter 6 (Spatial Joins) Reading and Tutorial Exercises  
Read p. 155-168, Answer chapter review questions (p. 169) 1, 2, 3, 5; work through Mastering Skills Tutorial p. 170-183 answering all the embedded questions, complete exercises 1,2,3,4,8,9,10 on p. 184. **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).**
- Task 7B. Work on Price Text Chapter 7 (Map Overlay and Geoprocessing) Reading and Tutorial Exercises  
Read p. 185-197, Answer chapter review questions (p. 197) 1, 2, 3, 4, 5, 6, 8, 10; work through Mastering Skills Tutorial p. 198-207 (Complete skills 1-40) (**SKIP** the optional Model Builder skills 41-59 on p. 208-213) answering all the embedded questions, complete exercises 1-9 on p. 154. **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).**
- Task 7C. Class Exercise – Intro to Geoprocessing (Quick Start Demo to Geoprocessing)  
[http://www.wou.edu/las/physci/taylor/es341/Quick\\_Start\\_Geoprocessing\\_Tutorial\\_ver2.pdf](http://www.wou.edu/las/physci/taylor/es341/Quick_Start_Geoprocessing_Tutorial_ver2.pdf)
- Task 7D. Video Review Questions – ESRI Training Introduction to Geoprocessing  
([http://video.esri.com/watch/634/what-is-geoprocessing\\_question](http://video.esri.com/watch/634/what-is-geoprocessing_question) )

### Week 8

- Task 8A. Key Word Search / Key Word Summaries Part 2  
[http://www.wou.edu/las/physci/taylor/es341/gis\\_concepts\\_part2\\_key\\_word\\_exercise.pdf](http://www.wou.edu/las/physci/taylor/es341/gis_concepts_part2_key_word_exercise.pdf)
- Task 8B. Work on Price Text Chapter 12 (Basic Editing) Reading and Tutorial Exercises  
Read p. 327-335, Answer chapter review questions (p. 336) 1-7; work through Mastering Skills Tutorial p. 337-352 (Complete skills 1-67) answering all the embedded questions, complete exercises 1-4 on p. 352. **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).**
- Task 8C. Work on Price Text Chapter 13 (Editing and Topology)  
Read p. 353-362, Answer chapter review questions (p. 363) 1-6; work through Mastering Skills Tutorial p. 364-379 (Complete skills 1-74) answering all the embedded questions, complete exercises 1-3 on p. 379. **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).**
- Task 8D. Video Review Notes – ESRI Training Getting Started with Editing  
<http://video.esri.com/watch/89/getting-started-with-editing-in-arcmap>
- ASSIGNMENT: Assign Team Projects: Watershed GIS Data Compilation and Analysis  
[http://www.wou.edu/las/physci/taylor/es341/w13\\_final\\_project.pdf](http://www.wou.edu/las/physci/taylor/es341/w13_final_project.pdf)

### Week 9

- Task 9A. In-Class Exercise: Data Editing and Geoprocessing  
[http://www.wou.edu/las/physci/taylor/es341/geoprocessing\\_ArcGIS.pdf](http://www.wou.edu/las/physci/taylor/es341/geoprocessing_ArcGIS.pdf)
- Task 9B. In-Class Exercise: Intro to Spatial Analyst and Painted DEM Modeling  
[http://www.wou.edu/las/physci/taylor/es341/ArcGIS\\_Photoshop\\_painted\\_relief\\_methodology.doc](http://www.wou.edu/las/physci/taylor/es341/ArcGIS_Photoshop_painted_relief_methodology.doc)
- Task 9C. Work on Price Text **Chapter 8 (Raster Analysis)**  
Read p. 215-227, Answer chapter review questions (p. 228) 1, 2, 5; work through Mastering Skills Tutorial p. 229-243 (Complete skills 1-46) answering all the embedded questions, complete exercises 1,2,6,9 on p. 244. **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).**
- Task 9D. Video Review Notes – ESRI Training Introduction to Spatial Analyst  
<http://video.esri.com/watch/1953/introduction-to-arcgis-spatial-analyst>

Task 9E. In-Class Exercise: Pencil-Paper Introduction to Map Algebra; Intro to Raster Analysis Class notes, p. 7-12

[http://www.wou.edu/las/physci/taylor/es341/intro\\_raster\\_analysis.pdf](http://www.wou.edu/las/physci/taylor/es341/intro_raster_analysis.pdf)

ONGOING ASSIGNMENT: Watershed GIS Projects (Cont.)

## **Week 10**

Task 10A. Work on Price Text Chapter 14 Geodatabases

Read p. 381-390, Answer chapter review questions (p. 391) 1, 3, 4, 6.

Task 10B. Work on Price Text Chapter 15 Metadata

Read p. 409-423, Answer chapter review questions (p. 424) 1, 2, 4, 5, 7, 8, 10; work through Mastering Skills Tutorial p. 425-426 (Complete skills 1-8) answering all the embedded questions. **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).**

Task 10C. ArcScene DEM Flyover Animation Tutorial (screen shots of Luckiamute + Lava Butte Fly-overs)

Task 10D. Results of Student Google Search for Five New GIS Data Download Web Links

ONGOING ASSIGNMENT: Watershed GIS Projects (Cont.)

## **Week 11**

Finalize Lab Portfolios; Complete Final Projects