

## **ES322 Geomorphology Final Lab Portfolio Checklist (Updated Dec. 8, 2014)**

Complete and compile the following class exercises as an electronic \*.pdf document, to upload in Moodle by Thursday December 11, 2014. Include cover sheet, exercise title pages, and assemble into a combined \*.pdf document in the following order:

### **Task List Part II (for final lab portfolio) Lab / Exercise Topic**

1. In-Class EM Spectrum Exercise ([http://www.wou.edu/las/physci/taylor/g322/In\\_Class\\_Air\\_Photo\\_EM\\_Spectrum.pdf](http://www.wou.edu/las/physci/taylor/g322/In_Class_Air_Photo_EM_Spectrum.pdf))
2. In-Class Air Photo Scale Problem ([http://www.wou.edu/las/physci/taylor/g322/air\\_photo\\_scale.pdf](http://www.wou.edu/las/physci/taylor/g322/air_photo_scale.pdf))
3. Lab: Air Photo Interpretation (Parts 1 and 2) (<http://www.wou.edu/las/physci/taylor/g322/airlab.pdf>)
4. Key Word Search – Fluvial Geomorphology ([http://www.wou.edu/las/physci/taylor/g322/fluvial\\_key\\_terms.pdf](http://www.wou.edu/las/physci/taylor/g322/fluvial_key_terms.pdf))
5. Video Exercise – Rivers ([http://www.wou.edu/las/physci/taylor/g322/video\\_ex\\_rivers\\_running\\_water.pdf](http://www.wou.edu/las/physci/taylor/g322/video_ex_rivers_running_water.pdf))
6. Video Exercise – Glaciers ([http://www.wou.edu/las/physci/taylor/g322/video\\_ex\\_glaciers\\_earth\\_revealed.pdf](http://www.wou.edu/las/physci/taylor/g322/video_ex_glaciers_earth_revealed.pdf))
7. Video Exercise – Big Chill ([http://www.wou.edu/las/physci/taylor/g322/video\\_ex\\_The\\_Big\\_Chill\\_climate\\_chage.pdf](http://www.wou.edu/las/physci/taylor/g322/video_ex_The_Big_Chill_climate_chage.pdf))
8. Key Word Search – Glacial Geomorphology ([http://www.wou.edu/las/physci/taylor/g322/glacial\\_key\\_terms.pdf](http://www.wou.edu/las/physci/taylor/g322/glacial_key_terms.pdf))
9. Key Word Search – Landforms ([http://www.wou.edu/las/physci/taylor/g322/landform\\_worksheet.pdf](http://www.wou.edu/las/physci/taylor/g322/landform_worksheet.pdf))
10. In-Class Stream Ordering Exercise ([http://www.wou.edu/las/physci/taylor/g322/stream\\_ordering\\_exercise.pdf](http://www.wou.edu/las/physci/taylor/g322/stream_ordering_exercise.pdf))
11. In-Class whiteboard watershed calculations (discharge, drainage area, stream power, gradient)
12. Lab: Introduction to Watershed Morphometry  
([http://www.wou.edu/las/physci/taylor/g322/ES322\\_Introduction\\_to\\_Watershed\\_Morphometry.pdf](http://www.wou.edu/las/physci/taylor/g322/ES322_Introduction_to_Watershed_Morphometry.pdf))
13. Lab: Climate Change and Morphodynamics of Grinnell Glacier, MT  
([http://www.wou.edu/las/physci/taylor/g322/grinnell\\_glacier\\_ex.pdf](http://www.wou.edu/las/physci/taylor/g322/grinnell_glacier_ex.pdf))
14. In-Class Exercise: Topographic Expression of Folded Terrain  
([http://www.wou.edu/las/physci/taylor/g322/topo\\_structure\\_ex.pdf](http://www.wou.edu/las/physci/taylor/g322/topo_structure_ex.pdf))
15. **OPTIONAL LAB:** Neotectonics of Western Oregon and the Pacific Northwest  
Complete Part 5 Neotectonics ([http://www.wou.edu/las/physci/taylor/g322/Coast\\_Lab\\_Part5\\_Neotectonics.pdf](http://www.wou.edu/las/physci/taylor/g322/Coast_Lab_Part5_Neotectonics.pdf))