

**WEEK 1**

Task 1-1. Introduction to Quantitative Analysis and Problem Solving

[http://www.wou.edu/las/physci/taylor/es486\\_petro/Intro\\_quant\\_exercise.pdf](http://www.wou.edu/las/physci/taylor/es486_petro/Intro_quant_exercise.pdf)

Task 1-2. 500-word summary of introductory video “Incredible Journey of Oil”

Example summary link: [http://www.wou.edu/las/physci/taylor/es486\\_petro/ES486\\_Summary\\_Writing\\_Instructions.pdf](http://www.wou.edu/las/physci/taylor/es486_petro/ES486_Summary_Writing_Instructions.pdf)

Video Link: <https://www.youtube.com/watch?v=e44ydPIQGSc>

Task 1-3. Complete text review questions Chapter 1 – Introduction

[http://www.wou.edu/las/physci/taylor/es486\\_petro/Selley\\_Review\\_Questions\\_Chap1\\_Introduction.doc](http://www.wou.edu/las/physci/taylor/es486_petro/Selley_Review_Questions_Chap1_Introduction.doc)

Other Tasks: Print class notes, assemble in binder.

**WEEK 2**

Task 2-1. Earth Revealed Intro to Sedimentary Rocks Video Exercise

[http://www.wou.edu/las/physci/taylor/es486\\_petro/sed\\_videx.pdf](http://www.wou.edu/las/physci/taylor/es486_petro/sed_videx.pdf)

Task 2-2. Review of Sedimentary Rocks Lab Exercise (Note: the sedimentary rock samples are located in NS017)

[http://www.wou.edu/las/physci/taylor/es486\\_petro/ES202\\_Lab3\\_Sed\\_Rock\\_Review.pdf](http://www.wou.edu/las/physci/taylor/es486_petro/ES202_Lab3_Sed_Rock_Review.pdf)

Task 2-3. Complete text review questions Chapter 2 – Petroleum Properties

[http://www.wou.edu/las/physci/taylor/es486\\_petro/Selley\\_Review\\_Questions\\_Chap2\\_Petroleum\\_Properties.doc](http://www.wou.edu/las/physci/taylor/es486_petro/Selley_Review_Questions_Chap2_Petroleum_Properties.doc)

Other Tasks: **Moodle Test Upload with scanned / PDF conversion; due Jan. 20**; print notes assemble in binder as needed.

**WEEK 3**

Task 3-1. In-Class Exercise: Physical Properties of Fluids

[http://www.wou.edu/las/physci/taylor/es486\\_petro/Phys\\_subsurface\\_pressure\\_exercise.pdf](http://www.wou.edu/las/physci/taylor/es486_petro/Phys_subsurface_pressure_exercise.pdf)

Task 3-2. Introduction to Engineering Principles and Rock Properties Exercise (Q. 1,2,3,4,5,7,8,9,11,21,23)

[http://www.wou.edu/las/physci/taylor/es486\\_petro/intro\\_engineering\\_properties\\_exercise.pdf](http://www.wou.edu/las/physci/taylor/es486_petro/intro_engineering_properties_exercise.pdf)

Task 3-3. Complete text review questions Chapter 4 – Subsurface Fluids

Other Tasks: Read “Bulk Properties of Rock” [http://www.wou.edu/las/physci/taylor/es486\\_petro/intro\\_rock\\_properties\\_reading.pdf](http://www.wou.edu/las/physci/taylor/es486_petro/intro_rock_properties_reading.pdf),

**Week 4**

Task 4-1. Lab: Review of Sedimentary Structures and Environments

[http://www.wou.edu/las/physci/taylor/es486\\_petro/ES202\\_Lab4\\_Sed\\_Environments\\_Review.pdf](http://www.wou.edu/las/physci/taylor/es486_petro/ES202_Lab4_Sed_Environments_Review.pdf)

Other Tasks: **Digital Lab Report 1 / Moodle Upload Due Friday Feb. 3 (lab report includes tasks 1-1, 1-2, 1-3, 2-1, 2-2, 2-3, 3-1, 3-2, 3-3, 4-1)**

---

Task 4-2. Key Word Search / Summary: Sedimentary Rocks, Sedimentary Environments, Stratigraphy

[http://www.wou.edu/las/physci/taylor/es486\\_petro/es486\\_petro/key\\_word\\_search\\_strat\\_sed.doc](http://www.wou.edu/las/physci/taylor/es486_petro/es486_petro/key_word_search_strat_sed.doc)

Task 4-3. Lab: Well Cuttings and Lithologic Identification Exercise

[http://www.wou.edu/las/physci/taylor/es486\\_petro/ES486\\_Lab\\_Well\\_Cuttings\\_Lith\\_Logs.pdf](http://www.wou.edu/las/physci/taylor/es486_petro/ES486_Lab_Well_Cuttings_Lith_Logs.pdf)

Notes: Tasks 4-2 and 4-3 will **not** be included in Digital Lab Report 1; Exam 1 will either be held on Thursday Feb. 9 or Tuesday Feb. 14; TBD in class, depending on Week 5 exam packing in other classes.