

ES486 PETROLEUM GEOLOGY (4 Credits, CRN 21159)

TENTATIVE CLASS SCHEDULE WINTER 2023: This outline should be considered tentative at best. The following schedule may be modified as class ideas evolve throughout the term. Readings are from Selley textbook, "Elements of Petroleum Geology" or as otherwise noted. **DRAFT 1 UPDATED DEC. 30, 2023**

Week	Dates	Class Content	Assignment Topics	Reading
1	Jan. 9-15	Class Policies / Introduction	Intro Quantitative Methods Review of Sed. Rocks	Ch. 1
	In-Person Class Begins Tuesday Jan. 10, 2-4 PM, in NS218			
2	Jan.16-22	Properties of Oil and Natural Gas	Sedimentary Environments	Ch. 2
	Week 1 Assignments Due for Canvas Upload by Monday January 16, 11 PM			
	In-Person Class Tuesday Jan. 17, 2-4 PM			
3	Jan. 23-29	Environments / Petroleum Generation	Fluid and Rock Properties	Ch. 4-5
	Week 2 Assignments Due for Canvas Upload by Monday January 23, 11 PM			
	In-Person Class Tuesday Jan. 24, 2-4 PM			
4	Jan. 30- Feb. 5	Principles of Fluid Flow and Migration	Lithologic Analysis	Ch. 5
	Week 3 Assignments Due for Canvas Upload by Monday January 30, 11 PM			
	In-Person Class Tuesday Jan. 31, 2-4 PM			
5	Feb. 6-12	Reservoir Properties	Stratigraphic Principles	Ch. 6
	Week 4 Assignments Due for Canvas Upload by Monday February 6, 11 PM			
	In-Person Class Tuesday Feb. 7, 2-4 PM			
6	Feb. 13-19	Petroleum Traps and Seals	Well Log Analysis	Ch. 7
	Week 5 Assignments Due for Canvas Upload by Monday February 13, 11 PM			
	In-Person Class Tuesday Feb. 14, 2-4 PM			
	Exam 1 – Tuesday Feb. 14			
7	Feb. 20-26	Methods of Exploration	Well Log Analysis	Ch. 3
	Week 6 Assignments Due for Canvas Upload by Monday February 20, 11 PM			
	In-Person Class Tuesday Feb. 21, 2-4 PM			
8	Feb. 27-Mar. 5	Well Development and Production	Structural Analysis	Instructor Readings
	Week 7 Assignments Due for Canvas Upload by Monday February 27, 11 PM			
	In-Person Class Tuesday Feb. 28, 2-4 PM			
9	March 6-12	Petroleum Systems / Sed. Basins	Basin Analysis	Ch. 8
	Week 8 Assignments Due for Canvas Upload by Monday March 6, 11 PM			
	In-Person Class Tuesday March 7, 2-4 PM			
10	March 13-19	Case Studies / Regional Analysis	Student Presentations	Ch. 8-9; Instructor Readings
	Week 9 Assignments Due for Canvas Upload by Monday March 13, 11 PM			
	In-Person Class Tuesday March 14, 2-4 PM			
11	March 20-24	Finals Week (check schedule)		
	Week 10 Assignments Due for Canvas Upload by Monday March 20, 11 PM			
	No In-Person Class Meeting			
	Final Exam – Thursday March 23, 12-2 PM			