

PTRT 1307
Recovery and Production Methods

Western Texas College

- I. Basic Course Information
 - A. Petroleum recovery and production methods
- II. Student Learning Outcomes
 - A. Describe natural reservoir drive mechanisms and artificial lift methods
 - B. Identify the components of lift surface systems
 - C. Identify factors used to select and describe basic life and recovery methods
- III. Major Course Requirements
 - A. Homework
 - B. Lab Attendance / Participation
 - C. Test / Final Exam.
- IV. Information on Books and Other Course Materials
 - A. Book: Fundamentals of Petroleum, 5th ed. PETEX
- V. Other Policies, Procedures and Important Dates, please refer to the WTC [Catalog](#) for the following:
- VI. Course Organization and Schedule
 - A. Disclaimer: Schedule and content is subject to change at the instructor's discretion.
- VII. Grading
 - A. Homework - 40%
 - B. Lab Participation - 30%
 - C. Test/Final Exam - 20%
 - D. Attendance - 10%
- VIII. Weekly Schedule (subject to change)

Week Number	Section/Online Work
Week 1	History of well production/recovery
Week 2	Fundamentals of Petroleum Reservoirs
Week 3	Natural reservoir drive mechanisms
Week 4	Natural reservoir drive mechanisms (cont'd)
Week 5	Test 1
Week 6	Well Completions
Week 7	Evaluating Well Performance
Week 8	Workover Methods & Planning
Week 9	What Controls the Well
Week 10	Test 2

Week 11	Beam pumping
Week 12	Subsurface Hydraulic Pumping
Week 13	Electric Submersible Pumping
Week 14	Gas Lift & Fracking
Week 15	Pre-Final Exam Week
Week 16	Final Exam

Last Modified: August 21, 2017