

**PTAC 1354
INDUSTRIAL PROCESS**

Western Texas College

- I. Basic Course Information
 - A. The study of the common types of industrial process.
 - B. Suggested prerequisite: Introduction to Process Technology.
- II. Student Learning Outcomes
 - A. Describe process and operations typical to the processing industry. Assignment rubrics, labs and exams will measure grading.
- III. Major Course Requirements
 - A. Requirement: Comprehensive Final Exam.
 - B. Requirement: NO MAKEUP ON MISSED EXAMS.
- IV. Information on Books and Other Course Materials
 - A. Book: Instructor's resources
- V. Other Policies, Procedures and Important Dates are available in the [Catalog](#).
- VI. Course Organization and Schedule:
 - A. Weekly Course Schedule

Week Number	Section/Online Work
Week 1	Week 1 Handouts; and Intro to Moodle Chapter 1
Week 2	Introduction- exploration, production, upstream process sections and midstream
Week 3	Crude oil characteristics
Week 4	Distilling and Vacuum Flashing
Week 5	Refinery Gas Plants
Week 6	Test
Week 7	Cat Cracking
Week 8	Alkylation
Week 9	Cat Reforming
Week 10	Hydrocracking
Week 11	Isomerization
Week 12	Residue reduction
Week 13	Gasoline
Week 14	Distillate and Residual Fuels
Week 15	Final Review
Week 16	Final Exam

Disclaimer: Schedule and content is subject to change at the instructor's discretion.

Labs (10% attendance)	40%
Homework	40%
Tests / Final Exam (average)	20%

Last Modified: August 29, 2016