

PTAC 1302
Introduction to Process Technology

Western Texas College

- I. Basic Course Information
 - A. An introduction overview of the process industries.
 - B. Any required prerequisites: None.
- II. Student Learning Outcomes
 - A. Students should be able to describe the roles, responsibilities, safety environmental, and quality concepts associated with the work environment of a process technician; and identify basic processes, equipment, and systems.
- III. Major Course Requirements
 - A. Requirement: There will be four-chapter tests (Subject to change)
 - B. Requirement: There will be a final comprehensive exam.
- IV. Information on Books and Other Course Materials
 - A. Introduction to Process Technology 4th Edition, Charles E. Thomas
 - B. The student must have a basic non-graphic calculator for use in lab
- V. Other Policies, Procedures and Important Dates are available in the [Catalog](#).
- VI. Course Organization and Schedule:
 - A. Weekly Schedule

Week 1	History of the Processing Industry and Introduction to Process Technology
Week 2	Safety, Health, and Environment
Week 3	Applied Physics One
Week 4	Equipment One and Two
Week 5	Process Instrumentation One and Two
Week 6	Process Technology Systems One and Two
Week 7	Industrial Processes
Week 8	Process Technology Operations
Week 9	Review for mid-term exam, Mid-term exam
Week 10	Applied General Chemistry
Week 11	Applied Physics Two
Week 12	Environmental Standards and Quality Control
Week 13	Process Troubleshooting
Week 14	Thanksgiving
Week 15	Applied General Chemistry Two and Chemical Process Industry Overview
Week 16	Final Exam

(Schedule subject to change)

VII. Grading

Class/Lab Assignments	60%
Lab participations	20%
Tests / Final Exam	20%

(Grading subject to change)

Last Modified: August 29, 2016