

# Process Technology III, Plant Operations (PTAC 2438 6A1)

CRN 11576

## CREDIT

4 Semester Credit Hours (3 hours lecture, 3 hours lab)

## MODE OF INSTRUCTION

Face to Face

## PREREQUISITE/CO-REQUISITE:

MATH 1332, PTAC 1302, PTAC 1410, PTAC 2420

## COURSE DESCRIPTION

This course emphasizes activities associated with the hands-on operations of process equipment.

## COURSE OBJECTIVES

Upon completion of this course, the student will be able to

1. Operate various process systems;
2. Work in self-directed teams;
3. Write and follow safety and operational procedures. Collect and use data for determination of process specifications

## INSTRUCTOR CONTACT INFORMATION

Instructor: Brian Parrack

Email: bsparrack@lit.edu

Office Phone: 409-247-5129

Office Location: ExxonMobil PATC building room 211

Office Hours: Tuesday/Thursday 11AM to 1:30PM. Friday 11AM to 12:00PM

## REQUIRED TEXTBOOK AND MATERIALS

1. *Process Technology Plant Operations*, 2<sup>nd</sup> Edition; Speegle.  
ISBN: 1133950159
2. Equipment (FRC, hardhat, safety glasses available in the labs by LIT)
  - a. fire retardant clothing

Approved: **Initials/date**



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- b. hardhat
- c. safety glasses
- d. ear plugs
- e. gloves
- f. shoes (no open toes/sandals)

#### **ATTENDANCE POLICY**

1. Missing more than 20% of classes will result in an automatic "F" for the course.
2. Absences are counted for unexcused, excused and coming to class late.
3. Missing more than 20% of a class period will count as an absence.
4. Being tardy 2 times equals 1 absence.

#### **DROP POLICY**

If you wish to drop a course, you are responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

#### **COURSE CALENDAR**

DATE	TOPIC	READINGS (Due on this Date)	ASSIGNMENTS (Due on this Date)
1/20	PTAC 2438 Orientation		
1/22	Glycol unit training		
1/27	Testing		Test 1 due Ch 1-6
1/29	Glycol unit training		
2/3	Testing		Test 2 due Ch 7-12
2/5	Glycol unit training		
2/10	Testing		Test 3 due Ch 13-17
2/12	Glycol unit training		
2/17	Testing		Test 4 due Ch 18-22
2/19	Glycol unit training		
2/24	Glycol unit training		Split labs
2/26	Glycol unit training		Split labs
3/3	Glycol unit training		
3/5	Glycol unit training		
3/17	Testing		Lab 1 due/unit drawing
3/19	Testing		Lab 1 due/unit drawing
3/24	Glycol unit training		
3/26	Glycol unit training		
3/31	Glycol unit training		Homework due
4/2	Glycol unit training		Homework due

4/7	Glycol unit training		
4/9	Glycol unit training		
4/14	Glycol unit training		
4/16	Glycol unit training		
4/21	Testing		Lab 2 due/unit walkthrough
4/23	Testing		Lab 2 due/unit walkthrough
4/28	Testing		Lab 2 due/unit walkthrough
4/30	Testing		Lab 2 due/unit walkthrough
5/5	Spring advising and enrollment		
5/7	Spring advising and enrollment		

### **COURSE EVALUATION**

Final grades will be calculated according to the following criteria:

Homework	10%
Tests	40%
Lab	50%

### **GRADE SCALE**

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 D
- 0-59 F

### **TECHNICAL REQUIREMENTS**

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at <https://lit.edu/online-learning/online-learning-minimum-computer-requirements>. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

### **DISABILITIES STATEMENT**

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email [specialpopulations@lit.edu](mailto:specialpopulations@lit.edu). You may also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](https://www.lit.edu/specialpopulations).

### **STUDENT CODE OF CONDUCT STATEMENT**

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at [www.lit.edu](http://www.lit.edu). Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

### **ARTIFICIAL INTELLIGENCE STATEMENT**

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI/ChatGPT in their courses

### **STARFISH**

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

### **ADDITIONAL COURSE POLICIES/INFORMATION**

**Course calendar can change due to unpredictable events.**

Lab safety is a priority. Any accidents or incidents must be reported to the Instructor immediately. Late work will be reduced by 10 points per calendar day.