

Safety, Health, Environment (PTAC 1408 3A1)

CREDIT

4 Semester Credit Hours (4 hours lecture, 0 hours lab)

MODE OF INSTRUCTION

Face to face

PREREQUISITE/CO-REQUISITE:

None. Complete the Online Orientation and answer yes to 7+ questions on the Online Learner Self-Assessment: <http://www.lit.edu/depts/DistanceEd/OnlineOrientation/OOStep2.aspx>

COURSE DESCRIPTION

An overview of safety, health, and environmental issues in the performance of all job tasks in the process industry. This course is time-bound, structured, and completed totally online.

COURSE OBJECTIVES

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

1. Describe the components of a typical plant safety and environmental program and the role of a process technician in relation to safety, health, and the environment;
2. Identify the functionality of safety, health and environmental equipment used.

INSTRUCTOR CONTACT INFORMATION

Instructor:	Thomas Day
Email:	tday@lit.edu
Office Phone:	409-245-4752
Office Location:	ExxonMobil PATC room 212
Office Hours:	N/A

REQUIRED TEXTBOOK AND MATERIALS

1. Safety, Health, and Environment, CAPT
 - a. ISBN number is 10: 0-13-557249-5

ATTENDANCE POLICY

Instructor must include their attendance policy

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.

Approved: **Initials/date**



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COURSE CALENDAR

DATE	TOPIC	READINGS (Due on this Date)	ASSIGNMENTS (Due on this Date)
1	Course introductions and policies Intro to Safety, Health, and Environment		
2	Types of Hazards and their Effects		
3	Recognizing Chemical Hazards		
4	Recognizing Biological Hazards		
5	Equipment and Energy Hazards Fire and Explosion Hazards		
6	Pressure, Temperature and Radiation Hazards Hazardous Atmospheres and Respiration Hazards		
7	Working Area and Height Hazards Hearing and Noise Hazards		
8	Construction, Maintenance, and Tool Hazards Vehicle and Transportation Hazards		
9	Natural Disasters and Inclement Weather Physical Security and Cybersecurity		
10	Recognizing Ergonomic Hazards		

	Recognizing Environmental Hazards		
11	Introduction to Hazard Control Engineering Controls: Alarms and Indicators		
12	Engineering Controls: Containment and Upset Administrative Controls		
13	Permitting Systems PPE and First Aid		
14	Monitoring Equipment		
15	Fire, Rescue, and Emergency Response		
16	FINALS WEEK		

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Assignments	20%
Discussions	10%
Tests	40%
Final	30%

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. You may also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](http://Special Populations - Lamar Institute of Technology (lit.edu)).

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. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

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

Insert additional course policies/information specific to your section here.

1. You must log onto Blackboard and access this course a minimum of three times per week.
2. No cheating of any kind will be tolerated. Students caught cheating or helping someone to cheat can and will be removed from the class for the semester. Cheating can result in expulsion from LIT.
3. If you wish to drop a course, the student is responsible for initiating and dropping the course. If you stop logging-in to the course and do not complete the course drop process, then you will receive an "F" grade for the course
4. Internet Usage – Students are expected to use proper net etiquette while participating in course emails, assignment submissions, and online discussions.
5. If a test is missed due to an emergency situation, the student will have one week to make it up; otherwise a grade of 0 will be assigned.

6. A student who wishes to drop a course is responsible for initiating and completing the drop process. A student who stops coming to class, and fails to drop the course, will earn an "F" in the course.