

Safety, Health, Environment (PTAC 1408 2A1)

Online

CREDIT

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

MODE OF INSTRUCTION

Online

PREREQUISITE/CO-REQUISITE:

None.

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: Dr. V. Worry

Email: vaworry@lit.edu

Office Phone: 409-247-5306

Office Location: PATC 204

Office Hours: Monday and Wednesday 2:00 to 3:00

REQUIRED TEXTBOOK AND MATERIALS

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

ATTENDANCE POLICY

This is a fully online class. This class covers the exact same material in 5 weeks as the regular 16-week class. You are required to spend as much time on this class as it takes to complete, generally 3-4 hours/week.



**LAMAR INSTITUTE
OF TECHNOLOGY**

DROP POLICY

Students are responsible for initiating and completing the drop process by the specified drop date as listed on the [Academic Calendar](#). Students who stop attending class and do not drop the course will earn an 'F' in the course.

COURSE CALENDAR (Summer 5-week)

Summer 1 2026 PTAC 1408 CLASS SCHEDULE

Due Date	Module	Chapter	Things Due in Module
7/7/2026	1	Chapter 2: Types of Hazards & Their Effects	Discussion
7/7/2026	2	Chapter 3: Recognizing Chemical Hazards	Discussion
7/7/2026		Chapter 4: Recognizing Biological Hazards	Assignment
7/7/2026	3	Chapter 5: Equipment & Energy Hazards	Discussion
			Test #1
7/7/2026	4	Chapter 6: Fire & Explosion Hazards	Discussion
			Assignment
7/7/2026	5	Chapter 7: Pressure, Temperature & Radiation Hazards	Discussion
			Assignment
7/7/2026	6	Chapter 8: Hazardous Atmospheres & Respiratory Hazards	Discussion
7/7/2026	7	Chapter 9: Working Area & Height Hazards	Discussion
7/7/2026		Chapter 10: Hearing & Noise Hazards	Test #2
7/7/2026	8	Chapter 11: Construction, Maintenance & Tool Hazards	Discussion
7/7/2026		Chapter 12: Vehicle & Transportation Hazards	Assignment
7/7/2026	9	Chapter 13: Natural Disasters & Inclement Weather	Discussion
7/7/2026	10	Chapter 14: Physical Security & Cybersecurity	Discussion
7/7/2026	11	Chapter 15: Recognizing Ergonomic Hazards	Assignment
7/7/2026		Chapter 16: Recognizing Environmental Hazards	Test #3
7/7/2026	12	Chapter 17: Introduction to Hazard Control	Discussion
			Assignment
7/7/2026	13	Chapter 18: Engineering Controls-Alarms & Indicators	Discussion
7/7/2026		Chapter 19: Engineering Controls-Process Containment & Upset	Assignment
7/7/2026	14	Chapter 20: Administrative Controls-Programs & Practices	Discussion
7/7/2026		Chapter 21: Permitting Systems	Test #4
7/7/2026	15	Chapter 22: Personal Protective Equipment & First Aid	Discussion
7/7/2026		Chapter 23: Monitoring Equipment	
7/7/2026	16	Comprehensive Final Exam: Ch. 1-20	Everyone Takes Final

Due dates are subject to change. Refer to Blackboard for official due dates.

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

ACADEMIC DISHONESTY

Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution's Academic Dishonesty Policy available in the [Student Catalog & Handbook](#).

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 \(lit.edu\)](#).

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 FOR DR. WORRY

STUDENT BEHAVIOR EXPECTATIONS

- Students are expected to be in the classroom and ready for instruction at the beginning of the face-to-face class period. Habitual tardiness will be dealt with on a one-to-one basis and may lead to being marked absent.
- Keep in mind that each student comes from a different background and brings with her/him a different set of beliefs and values.
- Disrespect for others will not be tolerated, online or face-to-face.

MY RESPONSE TIME

- I only return calls that leave a voicemail. I prefer emails though.
- The best way to reach me is through my LIT email, vaworry@lit.edu.
- I usually respond to emails within 24 hours unless the email is received after noon on Fridays, weekends, campus holidays or days when I am required to travel.

MY LIT EMAIL

- Not communicating with me because your LIT email is not working is not a valid reason for no response. LIT email is how we communicate with you. Get it working so you don't miss any important information (contact the help desk for assistance).

- I will email an announcement to your LIT email the first day of class. Please respond to it so we both know your LIT email is working.

MY BLACKBOARD MESSAGES

- Check the Send-to-Email box above Blackboard Messages text box if you want a faster response.
- If you use Blackboard Messages to contact me, and I don't respond within 24 hours, please send the same email message to my LIT email, vaworry@lit.edu

MY BLACKBOARD ANNOUNCEMENTS

- Announcements in Blackboard are posted to the Announcements web page that you see when you log into clads. They are important, so be sure to read them.
- "I did not see it" is not an acceptable reason for missing an announcement!

MY TECHNOLOGY REQUIREMENTS

- Use Chrome or Firefox as your browser. Edge and Safari do not work well with Blackboard.
- If you do class assignments on a cell phone, a tablet, or a netbook, make sure you are seeing all assignments as they are presented on a desktop computer.
- Papers (assignments) are to be submitted using Microsoft Word or preferably, as a PDF. If one of these methods is not used, formatting problems are the responsibility of the student.
- Not having the correct technology, device or internet is not a valid excuse for not doing assignments or tests.
- Problems with Blackboard are to be addressed by the HELP DESK. I can only help you with content and understanding the material.

MY DUE DATE POLICIES

- All discussions, assignments, and tests have due dates. It is your responsibility to know the due dates and get material submitted on time.
- Late work is frowned on. Students may submit late work, but 10 points will be taken off for each class day that it is late.
- For face-to-face students who were absent, the student must request the work and have until the next class period to turn it in. After the next class period, the work will be considered late and will have 10 points deducted for each class day that it is late.
- If a face-to-face 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. Absent students will

receive the same test as those who took it on test day for the first missed test only. Missing more than 1 test will result in future test(s) being all free response answers.

- For online classes that are required to write papers; the papers must be submitted to SafeAssign to check for plagiarism (its automatic). In most cases, the student has 3 submissions to correct any problems. However, all submissions MUST be made by the due date.

MY GRADING POLICIES

- For face-to-face classes who have a quiz at the beginning of class; these quizzes can not be made up. However, 3 lowest assignment grades will be dropped at the end of the semester. Fully online classes do not take these quizzes.
- I grade student work Monday through Friday during my office hours.
- All grades are recorded in Gradebook on Blackboard.
- It is the student's responsibility to make sure their grades on their work match their grades in Blackboard Gradebook. If there is a discrepancy, please contact me and be prepared to show the graded work if requested.
- Grading rubrics are available on writing assignments.
- If BlackBoard locks up or submits something early, I will only restart a test one time. The test must be started completely over. If it messes up again, the student will be required to come to my office and take a face-to-face test.

MY ACADEMIC HONESTY AND PLAGIARISM POLICIES

- Academic honesty is expected on all assignments. See LIT handbook for more information about academic honesty and the penalty for breaking academic honesty.
- Plagiarism is submitting someone else's work, either published or not, as your own, and is not allowed.
- Plagiarism includes everything from using AI to write your writing assignments, patchworking sentences together from the internet, to using another class mates work. Because you are only required to write 2 pages, putting cited quotes is not allowed either. Please read the specific assignment for rules.
- All writing assignments are submitted to a plagiarism checker in Blackboard to be reviewed for plagiarism and AI content.
- Most writing assignments may be redone 2 times to reduce what is identified in SafeAssign. If the bibliography is cited, that will not result in points being deducted. Please read each assignment instructions for the particular policy on plagiarism for that specific assignment.

- Students who plagiarize or use AI may receive a 0 on the assignment or may receive an F for the entire course.

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

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.