

## ACCIDENT PREVENTION, INSPECTION, AND INVESTIGATION (OSHT\_1313\_6B1)

### CREDIT

3 Semester Credit Hours (2 hours lecture, 2 hours lab)

### MODE OF INSTRUCTION

Face to Face; Wednesdays, 5:30-8:50 p.m.; MPC 109

### PREREQUISITE/CO-REQUISITE:

Passed the writing portion of TSI or other accepted testing instrument.

### COURSE DESCRIPTION

Provides a basis for understanding the nature of occupational hazard recognition, accident prevention, loss reduction, inspection techniques, and accident investigation analysis.

### COURSE OBJECTIVES

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

- Describe the components of an effective accident investigation.
- Analyze factors that contribute to accidents and recommend appropriate preventive changes.
- Explain effective safety inspection components and recommend corrections for identified hazards.

### INSTRUCTOR CONTACT INFORMATION

|                  |                                                                                       |
|------------------|---------------------------------------------------------------------------------------|
| Instructor:      | David Troha, Program Director/Instructor<br>Occupational Safety & Health Technologies |
| Email:           | dtroha@lit.edu                                                                        |
| Office Phone:    | To be confirmed                                                                       |
| Office Location: | MPC 239                                                                               |
| Office Hours:    | By appointment; current hours posted in Blackboard                                    |



**LAMAR INSTITUTE  
OF TECHNOLOGY**

Approved:

## **REQUIRED TEXTBOOK AND MATERIALS**

Accident Prevention Manual for Business and Industry - Administration and Programs, 14th edition

National Safety Council

ISBN: 978-0-87912-321-5

USB flash drive

## **ATTENDANCE POLICY**

You are required to log on weekly to Blackboard and review the week's course material. Additionally, you are required to check your LIT emails weekly.

Each student will be required to give a 1-2 minute safety meeting at the beginning of every class. This will be used to take attendance, as well as a daily grade.

If you miss the safety meeting, it cannot be made up. If you are late, you miss the meeting. If you miss the meeting because you are tardy, it is your responsibility to let me know you are present. If not, you will be counted as absent.

Students are expected to attend at least 80% of scheduled class meetings. The following department standard applies:

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| 3 absences or fewer | Calculated course grade                             |
| 4 absences          | 10 points deducted from the calculated course grade |
| 5 absences          | 20 points deducted from the calculated course grade |
| 6 absences          | 30 points deducted from the calculated course grade |
| 7 or more absences  | Course grade of F                                   |

Three late arrivals are counted as one absence. An approved absence permits the student to request make-up work; it does not erase the absence. Written documentation may be required for illness, injury, emergency, or work-related absences.

## **DROP POLICY**

If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified date as listed in the College Calendar on the [Student Success](#) web page. 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<br>(Due on this Date) | ASSIGNMENTS<br>(Due on this Date) |
|---------------------|-----------------------------------------------|--------------------------------|-----------------------------------|
| Week 1<br>8/26/26   | Course Orientation and Incident Investigation | Week 1 PPT                     |                                   |
| Week 2<br>9/2/26    | Workplace Violence and Active Shooter         | Week 2 PPT; Ch. 19             |                                   |
| Week 3<br>9/9/26    | Safety Professional and Safety Culture        | Week 3 PPT; Ch. 2-3            |                                   |
| Week 4<br>9/16/26   | Loss Control Programs                         | Week 4 PPT; Ch. 6              | Presentation outline due          |
| Week 5<br>9/23/26   | Safety, Health, and Environmental Auditing    | Week 5 PPT; Ch. 7              |                                   |
| Week 6<br>9/30/26   | EXAM 1: Weeks 1-5                             | Review Weeks 1-5               | EXAM 1                            |
| Week 7<br>10/7/26   | Hazards, Investigation, Analysis, and Costs   | Week 7 PPT; Ch. 9-10           |                                   |
| Week 8<br>10/14/26  | Recordkeeping, Rates, and Analysis            | Week 8 PPT; Ch. 11             | Presentations                     |
| Week 9<br>10/21/26  | Workers' Compensation                         | Week 9 PPT; Ch. 8              |                                   |
| Week 10<br>10/28/26 | EXAM 2: Weeks 7-9                             | Review Weeks 7-9               | EXAM 2                            |
| Week 11<br>11/4/26  | Emergency Preparedness and Process Safety     | Week 11 PPT                    | Presentations                     |
| Week 12<br>11/11/26 | Office and Laboratory Safety                  | Week 12 PPT; Ch. 26-27         | Presentations                     |
| Week 13<br>11/18/26 | Transportation Safety Programs                | Week 13 PPT; Ch. 25            | Final presentations               |
| Week 14<br>11/25/26 | Thanksgiving Holiday - Campus Closed          |                                |                                   |
| Week 15<br>12/2/26  | EXAM 3: Weeks 10-13                           | Review Weeks 10-13             | EXAM 3                            |
| Week 16<br>12/9/26  | FINAL EXAM - Comprehensive                    | Comprehensive review           | FINAL EXAM                        |

*The instructor may adjust topics, readings, activities, or due dates when needed. Changes will be announced in class and through Blackboard.*

## COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- Class attendance and participation 10%
- Three class tests (3 x 20%) 60%
- Class presentation 10%
- Comprehensive final exam 20%

## GRADE SCALE

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

## **TECHNICAL REQUIREMENTS**

For the latest technical requirements, including hardware, compatible browsers, operating systems, etc., review the Minimum Computer and Equipment Requirements on the [LIT Online Experience](#) page. 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 \(lit.edu\)](#).

## **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**

### **BLACKBOARD AND LIT EMAIL**

Students must check Blackboard and their LIT email each week. Course announcements, assignments, due dates, grades, and schedule changes will be communicated through these systems. Students are responsible for maintaining access and contacting the LIT Help Desk for login or platform problems.

### **STUDENT EXPECTED TIME REQUIREMENT**

For every hour in class (or unit of credit), students should expect to spend at least two to three hours per week studying and completing assignments. For this 3-credit-hour course, students should plan for approximately 6-9 hours per week outside class.

### **ACADEMIC DISHONESTY**

Academic honesty is expected on all assignments, examinations, and presentations. Cheating, plagiarism, collusion, unauthorized assistance, falsification of work, or submitting another person's work as one's own may result in a zero and additional action under LIT policy. Students are responsible for reviewing the Academic Dishonesty Policy in the current LIT Catalog and Student Handbook.

### **COURSE-SPECIFIC ARTIFICIAL INTELLIGENCE EXPECTATIONS**

AI tools may be used only when the instructor or assignment instructions specifically authorize them. Any permitted use must follow the stated requirements for attribution, verification, and original student work. When authorization is unclear, ask before using AI. Unauthorized AI use may be treated as academic dishonesty.

## **STUDENT BEHAVIOR EXPECTATIONS**

- Be in the classroom and ready for instruction at the scheduled start time.
- Treat classmates, guests, and the instructor professionally. Disrespectful conduct is not acceptable in person or online.
- Participate in discussions, labs, and field exercises without creating an unsafe or disruptive condition.

## **COMMUNICATION AND RESPONSE TIME**

- The best way to reach the instructor is through the instructor's LIT email or Blackboard Messages.
- Messages normally receive a response within 24 hours on business days. Weekends, campus holidays, and travel may delay a response until the next business day.

## **TECHNOLOGY AND SUBMISSIONS**

- Use an LIT computer when directed. Do not rely exclusively on a phone app to view or complete course work.
- Submit written assignments in Microsoft Word or PDF unless the assignment states otherwise.
- Address login, device, network, or Blackboard platform problems with the LIT Help Desk. Contact the instructor for course-content questions.

## **DUE DATES AND MAKE-UP WORK**

- Students are responsible for knowing and meeting all assignment, presentation, and exam due dates.
- Unless the instructor approves an exception, late work is reduced by 10 points for each class day it is late.
- After an approved absence, requested make-up work is normally due by the next class meeting. Work submitted later is subject to the late-work deduction.
- An exam missed because of an approved emergency must normally be made up within one week or a zero may be assigned. The format of a make-up exam may differ from the original.

## **GRADING PRACTICES**

- Grades are recorded in Blackboard. Students should report a discrepancy promptly and retain graded work until the final course grade is posted.
- Rubrics or written criteria will be provided for major written work, projects, presentations, or practical assessments.