



OSHT 1313 201HY
ACCIDENT PREVENTION, INSPECTION, AND INVESTIGATION
SPRING 2022
6:00 PM – 8:50 PM MONDAYS

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Student/Office hours and location:

Monday – 3:00 PM to 5:30 PM

Tuesday's & Wednesday - 3:00 PM to 5:30 PM

Other times will be available by appointment only.

Required Textbook/Materials:

Accident Investigation Techniques – 2nd Edition

Author: Jeffrey S. Oakley, Ph.D., CSP

Publisher: American Society of Safety Engineers

ISBN# - 978-1- 885581-62-4

Course Description:

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

Upon successful completion of this course, students will:

1. Describe the components of an effective accident investigation.
2. Analyze factors which contributed to accidents.
3. Recommend appropriate changes to prevent further accidents.
4. Explain the components of an effective safety inspection and make appropriate recommendations to correct hazards identified by the inspection.

Course requirements:

Examinations: There will be one final exam, which will be over the material covered in the previous fifteen weeks. The final exam will be closed book. Exam must be taken at the designated time unless prior arrangements have been made with the professor. Students who are absent and have not made prior arrangements will not be allowed to make up an exam and will receive the grade of “0” (zero).

Project Report: Each student is required to write one project report and present the report to the class. Topics and specific instructions for the report will be provided by the instructor. Students are expected to submit their papers on the date the assignment is due. **If they are turned in late, the student will receive a 50% reduction in points unless prior arrangements are made with the instructor.**

Homework: Two (2) homework assignments will be given. Each homework assignment has a maximum of 50 points each. Failure to turn in a required homework at the prescribed time will result in zero “0” points awarded for the assignment. If you cannot make the class, you must email the homework to your professor, at the email address provided here, prior to the beginning of the class time on the date it is due.

Quizzes: There will be four quizzes, which will be over the materials covered in the previous weeks. The quizzes will be closed book.

Determination of Course Grade/Detailed Grading Formula

Grading Scale:

90 – 100%	= A
80 – 89%	= B
70 – 79%	= C
60 – 69%	= D
Below 60%	= F

Grading Distribution:

Four Quizzes (50 points each quiz)	200 points
Industrial Project Report	100 points
Homework's (2 Homework's @ 50-points each)	100 points
Final Exam	100 points
Course Participation (14 at 5 points each)	70 points

TOTAL	570 points

Attendance Policy:

Communicating with your instructor: ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means. (Faculty may add additional statement requiring monitoring and communication expectations via Blackboard or other LMS).

Academic Dishonesty: (Describe your academic dishonesty policy and state consequences if it is violated)

Student Concerns: If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact [insert name and title of direct supervisor] at [phone number/email address].

Course outline: (include calendar with lecture topics, due dates)

Institutional Policies and Guidelines

Grade Appeal Process: Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook. <https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf. *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.* https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf

Academic Success & Support Services: College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement: Any student with a documented disability needing academic accommodations is requested to contact Holly Bankston at 409-933-8520 or hbankston@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

Counseling Statement: Any student needing counseling services is requested to please contact Holly Bankston in the student success center at 409-933-8520 or hbankston@com.edu. Counseling services are available on campus in the student center for free and students can also email counseling@com.edu to set up their appointment. Appointments are strongly encouraged; however, some concerns may be addressed on a walk-in basis.

Textbook Purchasing Statement: A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy:

Students may withdraw from this course for any reason prior to the last eligible day for a “W” grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1st 8-week session is March 2. The last date to withdraw from the 16-week session is April 25. The last date to withdraw for the 2nd 8-week session is May 4.

F_N Grading: The F_N grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The F_N grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the F_N grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an F_N grade.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

COVID-19 Statement: All students, faculty, and staff are expected to familiarize themselves with materials and information contained on the College of the Mainland’s Coronavirus Information site at www.com.edu/coronavirus. In compliance with Governor Abbott's May 18 Executive Order, face coverings/masks will no longer be required on COM campus. Protocols and college signage are being updated. We will no longer enforce any COM protocol that requires face coverings. We continue to encourage all members of the COM community to distance when possible, use hygiene measures, and get vaccinated to protect against COVID-19. Please visit com.edu/coronavirus for future updates.

Course outline: 16 Week Course Calendar

#	Day	Date	Topic	Assignment Due
1	M	1/24	Introduction & Syllabus. Course Introduction. What is an accident/Incident	Chapters 1 & 2
2	M	1/31	What to do when accident happens and for how long. Chapter 2	Chapters 3
3	M	2/2	Chapter 3 -Steps in Accident Investigation. Quiz 1	Chapter 4
4	M	2/14	Chapter 4 – Collecting Evidence. Homework 1	
5	M	2/21	Collecting Evidence Continues	Chapter 5
6	M	2/28	Chapter 5 - Analytical Process. Homework 1 Assigned	Chapter 6
7	M	3/7	Chapter 6 - Causal Factors Analysis. Quiz 2	Chapter 7. Homework 1 Due
8	M	3/14	NO CLASSES – SPRING BREAK	
9	M	3/21	Chapter 7 - Change Analysis	
10	M	3/28	Change Analysis Continues	Chapter 8
11	M	4/4	Chapter 8 – Barrier Analysis. Homework 2 Assigned. Quiz 3	Chapter 9
12	M	4/11	Chapter 9 - Fault Tree Analysis	Chapter 10
13	M	4/18	Chapter 10 - Specialized and Computerized Techniques.	
14	M	4/25	Reporting and Follow-up. Learning from an Accident. Quiz 4	Homework 2 Due
15	M	5/2	Project Report and Presentation	Project Report Due. Course Evaluation Due
16	M	5/9	Final Exam	Course Evaluation Due