

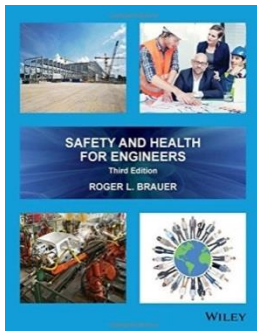


ITEC 498 - Applied Industrial Safety
College of Engineering
Department of Industrial Technology
University of Louisiana at Lafayette
Spring 2018

ITEC 498 Applied Industrial Safety: Fundamentals of safety issues relating to various industrial environments and the information necessary to combine health and safety with effective engineering for safer solutions. The course has been designed to help students develop hazard recognition and analysis along with application of approved controls. **Prereq: ITEC 268 with a grade of "C" or better.**

CLASS SCHEDULE: -Thursday 5:30 – 7:30 P.M. This is a hybrid class. The attendance schedule can be found at the end of this syllabus. Attendance on January 11 is critical to understanding the requirements of this course. Required classes are held in Rougeou Hall, Room 308.

INSTRUCTOR: Ms. Sharon Haristy CLR 276-A snh9957@louisiana.edu
Mrs. Corinne Dupuy CLR 221 cdupuy@louisiana.edu



REQUIRED TEXT: Safety and Health for Engineers, 3rd edition, published by Wiley, 2016 **ISBN-13: 978-1118959459 or ISBN-10: 1118959450**
Author: Roger L Brauer

OBJECTIVE: This course is an advanced safety course with a primary emphasis on applied industrial safety. Students completing this course can expect to have a general understanding of the application of safety techniques, and a greater awareness of hazards and their controls in general industry and other specific industries.

COMPETENCIES: After completion of this course, the student will:

1. Know the "Hierarchy of Controls" and have an understanding of the priorities of the process,
2. Know the difference between an engineering control and an administrative control,
3. Have an introduction to the concept "Prevention through Design,"
4. Have an introduction to safety regulations, hazards and their controls relative to major industries,
5. Understand the human element of safety and the importance of managing safety and health.

TOPICS:

1. The Importance of Safety and Health
2. Fundamental Safety Concepts and an Overview of Terms
3. Prevention Through Design and Products Liability
4. General Principles of Hazard Recognition, Analysis and Control
5. Construction and Excavation Hazards and Controls/ Confined Space
6. Walking and Working Surfaces/ Personal Fall Protection; Standard Guardrail; Safety Nets
7. Electrical Safety/Lockout/Tagout
8. Machine Guarding/ Tools and Machines
9. Transportation of Products/Hazardous Materials/Pipeline Safety

10. Materials Handling/Powered Vehicles/Mobile Crane/Hoisting Apparatus/Rigging
11. Fire Protection /Industrial and Process Fire Hazards
12. Environmental Extremes: Heat; Pressure
13. Chemical Safety/Hazardous Waste
14. Personal Protective Equipment
15. Energy: Oil and Gas/Green Energy
16. The Human Element of Safety
17. Safety Management and Performance
18. Hazardous Materials: Packaging/ Shipping Papers/ Marking/ Labeling/ Placarding

GRADING: Grades will be determined as follows:

Test #1 – 100 Points	A – 90 to 100%
Test #2 – 100 Points	B – 80 to 89.9%
Test #3 – 100 Points	C – 70 to 79.9%
Final Project	D – 60 to 69.9%
Quizzes will be given as well and will be added to the total possible points.	F – below 60%

CLASS ATTENDANCE:

1. **Regular attendance and punctuality is mandatory.** Role is taken each class period that we meet. University guidelines will apply.
2. Students who miss more than 10% of class may jeopardize a student’s scholastic standing.
3. Documents are posted on Moodle.
4. When absent you are responsible for the work you missed.
5. You **MUST** purchase the required textbook (electronic/paper) to be able to use it during open-book test/quizzes. You are not allowed to use photocopies, or your neighbor’s book, even if you neglected to bring it that day. Bring your book to class!
6. Assignments **ARE NOT** accepted after the deadline date.
7. No makeup exams, quizzes or homework will be allowed for unexcused absences.
8. Makeup exams will be different from original exams.
9. No food, no drinks, allowed in the classroom.
10. **TURN OFF YOUR CELL PHONES BEFORE CLASS BEGINS.** You will be asked to leave if you are on your phone during class.

SPECIAL NOTES: This course is a hybrid class. All course materials will be in Moodle. Additionally, each student **must check Moodle and email** for special messages concerning the course. Tests will be given in class in Rougeou Hall, Room 308 on the days designated below.

Academic Honest Policy: The University considers both cheating and plagiarism serious offenses. The minimum penalty for a student responsible of either dishonest act is a grade of “zero” for the assignment in question. The maximum penalty is dismissal from the University. The complete policy may be found in the UL Lafayette [website](#).

Any use of other author(s) published/originated ideas or statements in your work without clearly indicated/cited references is considered plagiarism and treated accordingly.

YOU MUST READ AND SIGN THE ACADEMIC HONESTY POLICY IN MOODLE. The due date is JANUARY 19TH BY 8:00 PM. If you do not sign the academic honesty policy by that date and time, YOU WILL BE DROPPED FROM THE COURSE.


DISABILITIES: There is free, confidential help on campus for students with (Learning Disabilities, Physical Disabilities, Psychological Disabilities, and/or ADHD). Please contact ODS located in the Conference Center,

Room 126 in person or at 482-5252 or ods@louisiana.edu. You can also visit the ODS website (<http://disability.louisiana.edu>) for information on ODS services and on eligibility requirements.





DISABILITY ACCOMMODATIONS: Students needing academic accommodations for a disability must first be registered with the Office of Disability Services (ODS) to verify the disability and to establish eligibility for accommodations. Students may call 337-482-5252 or visit the ODS office in the Conference Center, room 126.

EMERGENCY EVACUATION PROCEDURES: A map of this floor is posted near the elevator marking the evacuation route and the **Designated Rescue Area**. This is an area where emergency service personnel will go first to look for individuals who need assistance in exiting the building. Students who may need assistance should identify themselves to the teaching faculty.

ITEC 498 – Applied Industrial Safety

2018 JANUARY						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11 	12	13
14	15	16	17	18 	19	20
21	22	23	24	25 	26	27
28	29	30	31			

2018 FEBRUARY						
SUN	MON	TUE	WED	THU	FRI	SAT
				1 	2	3
4	5	6	7	8 	9	10
11	12	13 Mardi Gras	14	15	16	17
18	19	20	21	22 	23	24
25	26	27	28			

2018 MARCH						
SUN	MON	TUE	WED	THU	FRI	SAT
				1 	2	3
4	5	6	7	8 	9	10
11	12	13	14	15	16	17
18	19	20	21	22 	23	24
25	26	27	28	29 	30	31

2018 APRIL						
SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5 Easter Week	6	7
8	9	10	11	12 	13	14
15	16	17	18	19 	20	21
22	23	24	25	26	27	28
29	30					

Spring 2018