

OSHA Regulations-General Industry (OSHT 2401)



Credit: 4 semester credit hours (4 hours of lecture)

Prerequisite: Passed the writing portion of COMPASS or other accepted testing instrument, CNBT 2342.

Course Description

A study of Occupational Safety and Health Administration (OSHA) regulations pertinent to general industry.

Required Textbook and Materials

1. CCH, OSHA Standards for General Industry, 1st Edition, 2009
 - a. ISBN number is 9780808021759
2. One, 11/2 – 2 inch 3 ring binder with pockets
 - a. Notebook paper for binder
 - b. *Organization of notebook; contents should include:
 - Cover page with first and last name
 - Title of course
 - Day and time of weekly class meeting
 - Semester (example, “Fall 2009”)
3. Dividers labeled, syllabus, PPT. lectures, study questions, handouts, exams

Course Objectives

Upon completion of the course the student will be able to:

1. Identify the OSHA regulations which apply to general industry. (SCANS: C1.4,C3.3, C5.5, C7.5, C9.4, C12.5, C14.5, C15.5, C18.3)
2. Exhibit proficiency in retrieving specific information from Title 29 C.F.R. Part 1910 regulations. (SCANS: F1.5,F3.3, F4.3, F6.5, F9.4, F11.4, F13.5, F16.5, F17.5)

SCANS Skills and Competencies

Beginning in the late 1980's, the U.S. Department of Labor Secretary's Commission on Achieving Necessary Skills (SCANS) conducted extensive research and interviews with business owners, union leaders, supervisors, and laborers in a wide variety of work settings to determine what knowledge workers needed in order to perform well on a job. In 1991 the Commission announced its findings in *What Work Requires in Schools*. In its research, the Commission determined that “workplace know-how” consists of two elements: foundation skills and workplace competencies.

Approved 1/2010

Course Outline

- A. Welcome to LIT:
 - 1. Introduction of faculty and students
 - 2. Expectations
 - 3. Policies
- B. OSHA
 - 1. OSHA.gov
 - 2. OSHAct of 1970
 - 3. The History of OSHA
 - 4. How OSHA conducts inspections
 - 5. Most cited violations
- C. Code of Federal Regulations (CFR)
 - 1. Interpretation of CFR's/definitions
 - 2. Employee/employer rights
- D. Process Safety Management (PSM)
 - 1. Highly hazardous chemicals
 - 2. Toxics and reactives
 - 3. Compliance guidelines and recommendations for PSM
 - 4. General description and discussion of the levels of protection and protective gear
 - 5. Training curriculum
- E. Hazard Communication
 - 1. Health hazard definitions
 - 2. Hazard determination
 - 3. Guidelines for employer compliance
 - 4. DOT markings
 - 5. Occupational exposure to hazardous chemicals in laboratories
- F. Respiratory Protection
 - 1. General Requirements
 - 2. Fit testing procedures
 - 3. Medical evaluation questionnaire
 - 4. Information for employees using respirators when not required under the standard
- G. Materials Handling and Storage
 - 1. Handling materials-general
 - 2. Guidelines for lifting
 - 3. Accessories for manual lifting
 - 4. Shipping and receiving
- H. Forklifts (Powered Industrial Trucks)
 - 1. General requirements
 - 2. Types vehicles
 - 3. Designated locations
 - 4. Changing and charging storage batteries
 - 5. Truck operations and maintenance
 - 6. Traveling
 - 7. Stability of powered industrial trucks
- I. Walking and Working Surfaces
 - 1. Definitions
 - 2. General requirements
 - 3. Guarding floor and wall openings
 - 4. Stairs/ladders
 - 5. Other working surfaces
- J. Machinery and Machine Guarding
 - 1. Definitions
 - 2. General requirements for all machines
 - 3. Mechanical power presses
- K. Electrical
 - 1. General
 - 2. Training
 - 3. Selection and use of work practices
 - 4. Use of equipment
 - 5. Safeguards for personnel protection
- L. Special Industries

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Course Syllabus

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1. Pulp, paper, and paperboard mills
 2. Sawmills
 3. Logging operations
 4. First aid
 5. Grain/sugar dusts (Preventing Explosions)
- M. Inspections, Citations, and Proposed Penalties
1. Authority for inspection
 2. Conduct of inspections
 3. Representatives of employers and employees
 4. Informal conferences
 5. Types of citations
 6. Proposed penalties
 7. Review commission
 8. Failure to correct a violation
- N. 29CFR Part 1990
1. Definitions
 2. Scientific review panel
 3. General statement of regulatory policy
 4. Classification of potential carcinogens/occupational carcinogens
 5. Factors to be considered

Grade Scale

A = 90-100

B = 80-89

C = 70-79

D = 60-69

F = Less than 60

*Notebooks will be graded the evening of the final.

Course Evaluation

Test 1	25%
Test 2	25%
Final	40%
Notebook	10%

Course Requirements

1. Participate in classroom activities and discussion includes demonstrating competency in locating and application of OSHA standards as well as other resource materials.
2. Maintain a notebook.

Course Policies

1. Students are expected to come to class prepared. *Being prepared is defined as having the* textbook, notebook, pen/pencil, paper, calculator, and completed assignments (such as study questions).
2. Late work is unacceptable.

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3. *There are no makeup tests.*
4. No extra credit will be awarded so please don't ask.
5. Cheating on a test will result in an "F" for the course. Please review the "Code of Conduct & Disciplinary Policy" and "Academic Dishonesty" on pages 34 through 36 of the LIT Catalog and Student Handbook.
6. Attendance. Five points will be added to the final grade average for *perfect attendance*. Perfect attendance means not missing any classes or any portion of a class. This includes not having any tardies or leaving class early. Four tardies equals one absence.
7. You are expected to be in class (in your seat on time.) If you do find yourself in the position of arriving late due to unavoidable circumstances, enter the classroom with the *least* amount of disruption possible. Some lectures are only 45 minutes in length and coming in late is unacceptable.
8. Students are expected to remain in class the entire class period unless dismissed by the instructor.
9. Drop/Add/Withdraw. *It is the student's responsibility to make sure you are officially enrolled or dropped from this course.* If at any point, you decide to drop the class, it is your responsibility to officially drop (i.e., using proper administrative offices/paperwork.) Any student who stops attending class and does not officially drop the course will be given an "F" as the semester grade.
10. Silence all electronic devices such as cell phones, beepers, headphones and any other electronic communication devices.
11. No eating or drinking in the classroom.
12. Please do not bring children to class.
13. No tobacco products are allowed in class.
14. *In the case of disruptive behavior, the instructor reserves the right to ask you to leave the classroom. The instructor also reserves the right not to allow you back in the class.*

Disabilities Statement

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator, at (409) 880-1737 or visit her office located in the Cecil Beeson Building, room 116B.

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Course Schedule

Week 1 Course Introduction and Policies	
Week 2 The OSHAct and History of OSHA	pp. 1, 935-937
Week 3 Employer/Employee Rights, How OSHA Conducts Inspections	Instructor
Week 4 Process Safety Management 1910.119	pp. 148-186
Week 5 Test 1	
Week 6 Hazard Communication 1910.1200	pp. 722-737
Week 7 Respiratory Protection 1910.134	pp. 188-207
Week 8 Material Handling and Storage 1910.176	pp. 255-257
Week 9 Powered Industrial Trucks 1910.178	pp. 257-263
Week 10 Test 2	
Week 11 Walking-Working Surfaces 1910.21	pp. 17-22, 36
Week 12 Machinery and Machine Guarding 1910.211	pp. 293-317
Week 13 Special Industries 1910.261	pp. 349-376
Week 14 Inspections, Citations, and Proposed Penalties	pp. 747-753
Week 15 Review	
Week 16 Final	

*The order in which topics are covered is subject to change. Tests dates are also subject to change.