

## Special Topics in Occupational Safety and Health Technology/Technician (OSHT 1391)



**Credit:** 3 semester credit hours (lecture)

**Prerequisite:** OSHT 1313

### Course Description

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.

### Required Textbook and Materials

1. No textbook required.
2. 11/2 -2 inch 3 ring binder with pockets  
Notebook paper for binder  
\*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")
  - Dividers labeled, syllabus, lectures, research, handouts, exams
3. Report Cover

### Course Objectives

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

1. Learning outcomes/objectives are determined by local occupational needs and business and industry trends. (SCANS: C1.4,C3.5,C7.5, C12.4,C14.5,C15.4, C18.4, F1.4, F3.4,F4.5,F6.5, F9.4,F11.4, F13.4, 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.

### Course Outline

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|--------------------|---|
| A. Welcome to LIT: | 1. Introduction of faculty and students |
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Approved 1/2010

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- 2. Expectations
- 3. Policies
- B. Research Paper
  - 1. Guidelines
  - 2. Topic Selection
  - 3. Research and Interviews
- C. Resources
  - 1. Professional Organizations
  - 2. Websites
  - 3. Learned Journals
  - 4. Local Professionals
  - 5. Textbooks
- D. Current News
  - 1. Presentation of events as they occur weekly on relevant topics
  - 2. CSB (Chemical Safety Board) reports
- E. The Safety Professional
  - 1. Ethics
  - 2. Legal Aspects of Safety
  - 3. Professional Certifications
- F. Maritime Safety/OSHA:  
Deckbarge Safety
  - 1. Hazards on deck
  - 2. Falling overboard
  - 3. Machinery and equipment hazards
  - 4. Hazards associated with confined/enclosed spaces
- 5. Fire hazards
- 6. Training
- G. U.S.C.G. Regulations Specific to Local Industry
  - 1. Product transfer from ship to shore and shore to ship
  - 2. Recreational boating safety
- H. Department of Transportation
  - 1. Federal motor carrier regulations
  - 2. Compliance Explanations
  - 3. State requirements
  - 4. DOT interpretations
  - 5. Accidents
  - 6. Drugs and alcohol
  - 7. Driver qualification
  - 8. Vehicle inspections and maintenance
- I. HAZMAT
  - 1. Understanding Flammable Solids
  - 2. Responding to flammable solid emergencies
  - 3. Understanding oxidizers
  - 4. Oxidizer emergencies
  - 5. Understanding poisons
  - 6. Poison Emergencies
  - 7. Understanding Corrosives
  - 8. Corrosive Emergencies

**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.

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**Course Evaluation**

Test 1	20%
Test 2	20%
Final	30%
Research Paper	20%
Notebook	10%

**Course Requirements**

1. A presentation on a safety or industrial hygiene subject is a course requirement. The topic must be approved by the instructor. The report will be presented in class and must be *at least* fifteen minutes in length. A type-written copy of the report must be turned in at the time of the presentation. Please be sure to use a report cover.
2. Notebook.
3. Participation in class activities and discussions.

**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.
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.

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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 status that provides comprehensive civil rights for persons with disabilities. Among other things, these statues 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.

**Course Schedule**

Week 1	Course Introduction and Policies
Week 2	Research project and guidelines
Week 3	Resources/Learned Publications
Week 4	The Safety Professional
Week 5	Maritime Safety
Week 6	Test 1
Week 7	Maritime Safety/OSHA: Deckbarge Safety
Week 8	U.S.C.G. Regulations
Week 9	Department of Transportation
Week 10	Department of Transportation
Week 11	Test 2
Week 12	HAZMAT
Week 13	HAZMAT
Week 14	Presentation of Research Topics
Week 15	Presentation of Research Topics
Week 16	Final

\*No text is required. Instructor will provide handouts as appropriate.

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