

Occupational Safety & Health Course Syllabus

Instructor: George Williamson

[ENV K5003-XLK 31642 Class 5:30 pm-8:15 pm KTRCC B210](#)

Required Textbook: Occupational Safety & Health

The Occupational Safety and Health Act was passed by Congress in 1970. The preceding decade saw approximately 149,000 workers die as a result of workplace accidents.

This course is an introduction to Occupational Safety & Health in the workplace. It will introduce students to the safety and health field and address the application of engineering, management principles, and techniques to safety, health, and loss control. The topics include general safety, health, and risk assessment concepts and terms. Discussions will include historical developments, program management, problem identification, engineering assessment, hazard recognition, evaluation, and control. The course work will also introduce the student to measurement and evaluation systems, legal and regulatory requirements, environmental health and safety, industrial hygiene, safety engineering, product safety and public health, risk assessment analysis and management, accident investigation, ergonomics, and ethics and professionalism.

Each student will develop a final paper on a safety and health topic of her choice. You may choose any of the topics covered in your text book or covered in classroom presentations. Final papers must be at least 10 pages, double spaced with at least two **library references cited**. An alternative to a final paper you can do a group presentation on a single topic. Group sizes may be two to five. Each group member will develop at least 4 informational slides (not just pictures) and do a 10 minute presentation on their portion of the topic. For example if there are 5 people in the group, there will be 20 slides and the presentation will total 50 minutes. As with the final paper, the group topic can be on any instructor approved safety and health issue.

This course includes segments on General Industry safety topics. The 10-hour General Industry Outreach Training Program is intended to provide an entry level, general industry workers broad awareness on recognizing and preventing hazards on a general industry site. The training covers a variety of safety and health hazards which a worker may encounter at a general industry site. OSHA recommends this training as an orientation to occupational safety and health. Workers must receive additional training on hazards specific to their job. Training should emphasize hazard identification, avoidance, control and prevention, not OSHA standards.

I am authorized by OSHA to conduct 10 hour general industry outreach courses and receive OSHA course completion cards to issue to my students. The bulleted topic items in the class schedule are General Industry Safety topics that you must attend in order to receive the cards.

Each week you will turn in (by email) a 1 page summary of your reading assignment, summarizing key points in your own words and with one safety photo that you took attached.

Grades will be assigned as follows:

- Class participation – 10%
- Weekly reading summary – 10%
- Quizzes (4) – 10%
- Final exam – 50%
- Final Paper – 20% or Group Presentation

All weekly readings shall be submitted by to me before the beginning of each class. I will generally return your papers with comments the following week.

Contact Information:

If at any time during the course that you have any questions, you can contact me by email at gwillia698@yahoo.com or by phone (urgent calls only) (860) 235-5525.

Honesty: Give credit where credit is due. Plagiarism is unacceptable and will result in a failing grade. Honor those that worked hard to develop their materials. There are laws that govern intellectual property.

- *Intellectual Property is the group of legal rights governing inventions and creations. Intellectual property rights include patent, copyright, trademark and trade secret rights.*

Date	Topic(s)	Reading Summary due for chapters below
08/31	Course Introduction and Overview	
09/07	Reading review and discussion <ul style="list-style-type: none"> • One Hour General Industry –Introduction to OSHA 	1- 3
09/14	Reading review and discussion Turn in proposed topic for final paper <ul style="list-style-type: none"> • One Hour-Walking and Working Surfaces, Subpart D 	4-5
09/21	Weekly Reading Review and Discussion <ul style="list-style-type: none"> • One Hour-Exit Routes, Emergency Action Plans, Fire Prevention Plans, and Fire Protection, Subpart E & L • Quiz 	6
09/28	Weekly Reading Review and Discussion <ul style="list-style-type: none"> • One Hour-Electrical, Subpart S 	7-9
10/05	Weekly Reading Review and Discussion <ul style="list-style-type: none"> • One Hour-Personal Protective Equipment, Subpart I Turn in outline of term paper	10-11
10/12	Weekly Reading Review and Discussion <ul style="list-style-type: none"> • One Hour-Hazard Communication, Subpart Z • Quiz Guest Speaker, Sharon Seebold, US Dept Labor - OSHA	12-13
10/19	Weekly Reading Review and Discussion <ul style="list-style-type: none"> • Two Hours-Lead and Asbestos 	
10/26	Field Trip (TBA)	14-15
11/02	Mid-term progress quiz on completed chapters Group/Individual Presentations	
11/09	Weekly Reading Review and Discussion <ul style="list-style-type: none"> • Half hour-Hazardous Materials, Subpart H • Half hour- Machine Guarding, Subpart O • Quiz 	16-18
11/16	Weekly Reading Review and Discussion <ul style="list-style-type: none"> • Half hour- Introduction to Industrial Hygiene, Subpart Z • Half hour- Ergonomics 	19-20
11/23	No Class – Thanksgiving Break	
11/30	Weekly Reading Review and Discussion <ul style="list-style-type: none"> • 2 Hours – Confined Space Entry, Permit Required • Quiz 	22
12/07	Weekly Reading Review and Discussion Group/Individual Presentations	
12/14	Final Exams	