

Occupational Safety & Health Course Syllabus 3 Rivers

Course: 30326 ENV K130 T01
Instructor: George Williamson
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Required Textbook: Occupational Safety & Health, Sixth Edition

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. A visit to an industrial site will be included.

If you choose a presentation you may work individually or in a group of up to 3 or 4 persons and do a 30 minute power point or similar slide/overhead presentation on an applicable topic safety and health topic. Applicable presentations may include results of a visit and interview with local companies or organizations on their safety and health management policies and accident prevention. The presentation should include at least 30 slides comprising at least 70% bulleted discussion points. If done as a group, one grade will apply to all individuals involved.

Each week you will turn in a 1 page summary of your reading assignment summarizing key points.

Grades will be assigned as follows:

- Class participation – 10%
- Weekly reading summary – 10%
- Field Trips and Exercises –20%
- Final exam – 30%
- Group Presentation – 30%

All weekly readings shall be submitted by email to me at gwillia698@yahoo.com. I will return comments on your weekly papers by email.

<u>Date</u>	<u>Topic(s)</u>	<u>Reading Summary due for chapters below</u>
09/03	Course Introduction and Overview One Hour Construction Safety –Introduction to OSHA	
09/10	Reading review and discussion One Hour Construction Safety - Electrical Safety (Subpart K)	1- 3
9/17	Reading review and discussion One Hour Construction Safety – Fall Protection (Subpart M) Turn in proposed topic of group presentation	4-5
9/24	Reading review and discussion One Hour Construction Safety – Scaffolding (Subpart L)	6
10/01	Reading review and discussion One Hour Construction Safety – Excavations (Subpart P)	7-9
10/08	Reading review and discussion One Hour Construction Safety - Personal Protective Equipment (Subpart E) Turn in outline of major discussions points of term paper by email	10-11
10/15	Reading review and discussion Guest Speaker – Richard Haffey, <i>President, Mystic Air Quality Consultants, Inc., Groton, CT</i> 2 Hour Construction Safety - Asbestos Awareness	12-13
10/22	Reading review and discussion One Hour Construction Safety – Materials Handling, Storage, Use, and Disposal (Subpart H)	14-15
10/29	Reading review and discussion One Hour Construction Safety – Cranes, Derricks, Hoists, Elevators, and Conveyors (Subpart N) Instructor Submit of 10 Course Completion to Department of Labor (OSHA)	16-18
11/05	Reading review and discussion Group Presentations	19-20
11/12	Reading review and discussion Group Presentations	21-22
11/19	<i>Meet OSHA</i> – Presentation by Federal OSHA	23-24
11/26	NO CLASS	
12/03	Group Presentations	25-28
12/10	Field Trip Course Review, Handout “10 Hour Construction Worker Safety Training” Wallet Cards	29-31
12/17	Final Exam (Open Book)	

If there is any reason that you think you can't make it to class, please send email or if it's less than 12 hours to class time, please call me on my cell phone @ 860-235-5525. Try not to miss Construction Safety presentations activities or field trip(s). These are virtually impossible to make up. In order to be issued a certificate that certifies you have successfully completed OSHA's training requirements for Construction Worker Safety, you must have attended (in person) the 10 required contact hours for construction safety. Each of these will run from 6:30-7:30 during that class session.