

Southern Illinois University
College of Engineering

IT305 - Industrial Safety
Course Syllabus

Instructor: S. David Farris, CIH, CSP

Course Description: Principles of industrial accident prevention; accident statistics and costs; appraising safety performance; recognizing industrial health and safety hazards and recommending safeguards. Includes a study of the Occupational Safety and Health Act and the Coal Mine Health and Safety Act.

Course Objectives:

1. To develop a basic understanding of industrial accident problems, historical antecedents, legislation, and general principles of occupational safety and health.
2. To develop an awareness of accident sources, causes and factors in the environment which contribute to and cause hazardous conditions and unsafe acts in the industrial workplace.
3. To achieve a basic understanding of appraisal methods, analysis procedures, appropriate follow-up techniques as related to industrial accidents.
4. To develop an understanding of common hazards and potential problems in the man-machine environment and the basic principles of recognition, evaluation and corrective action measures.
5. To become familiar with the Occupational Safety and Health Act and some of the basic safety standards which are a part of OSHA.
6. To develop an understanding of the basic elements of an effective occupational safety and health program.
7. To familiarize students with specific health and safety activities and practices used to develop safe work procedures and habits.
8. To make students aware of a manager's responsibilities for safety in the workplace.

Textbooks: Asfahl, C. Ray. Industrial Safety and Health Management, Fifth Edition. Upper Saddle River, New Jersey: Prentice-Hall, Inc.

Instructional Philosophy: As adults, your instructor recognizes that you have a wide range of experience in the industrial workplace. You are encouraged and indeed expected to share that experience, voice your opinions, and in general actively participate in class discussion.

Assignments: First Weekend: Text Chapters: 1-4, 5 (EPA Section Only pg. 110), 18
Second Weekend: Text Chapters: 5 (Remainder of Chapter), 6,
7, 8, 10 (Noise & Ventilation pgs. 200-223), 12 (pgs. 250-251),
14, 15, 16, 17
Third Weekend: Text Chapters: 9, 10 (Remainder of Chapter),
11, 12 (Remainder of Chapter), 13

Note: As adults, your instructor realizes that students have to deal with priorities competing with class attendance and activities. However, if students are going to miss more than an insignificant amount of class time, prior arrangements need to be made with the instructor. As a matter of fairness to all students, tests taken at a time after they are scheduled will be penalized a minimum of 5%.

Evaluation:	Written Test #1	33 points	Saturday Morning Second Weekend
	Written Test #2	33 points	Saturday Morning Third Weekend
	Written Test #3	33 points	Sunday Afternoon Third Weekend
		<u>1 point</u>	Instructor Evaluation
		100 total	

Grading System: 90-100 points. A
80 - 89. B
70-79. C
Below 60 points. F

Additional Comments: Supplemental references will be brought to class by the instructor. Students are encouraged to review these references. Objectives of the course will be accomplished by lecture, class participation, audio visual (and other aids) and completion of assigned projects.