

CASPER COLLEGE COURSE SYLLABUS
ENVT 1600 – Industrial Safety

Semester/Year: Fall, 2015

Lecture Hours: 3

Lab Hours: 1

Credit Hours: 4

Class Time: 8:00-8:50

Days: M,T,W,TH

Room: EI 114

Instructor's Name: Michael Malone

**Instructor's Contact
Information:**

Office Phone: 307-268-3124
Home Phone: 307-251-4536
Office: EI 118

Office Hours: 11-12, 1-3 Tue.
10-12 Wed. 11-12, 1-3 Thur.
or by appointment
Email:
mmalone@caspercollege.edu

Course Description: This course is an introduction to safety issues that affect personnel in the electric power industry. The course will review general safety issues and specific Occupational Safety and Health (OSHA) regulations for General Industry. Topics to be covered include: Introduction to OSHA, Exit Routes, Emergency Action Plans, Fire Protection Plans and Fire Protection, Electrical, Personal Protective Equipment, Walking/Working Surfaces and Fall Protection, Hazard Communication, Powered Industrial Trucks, Bloodborne Pathogens, Working in Extreme Weather Environments and Electric Power Generation, Transmission and Distribution. All subjects will emphasize Hazard Awareness

An OSHA Ten Hour General Industry card will be awarded to all students successfully completing the mandatory OSHA requirements contained in this curriculum. Each student will be required to compose a three to five page essay on personal safety

Statement of Prerequisites: None

Program Goals:

This course is an introduction to safety issues that affect personnel in the electric power industry. It will review general safety issues and specific Occupational Safety and Health (OSHA) regulations for General Industry. Topics to be covered include: Introduction to OSHA, Exit Routes, Emergency Action Plans, Fire Protection Plans and Fire Protection, Electrical, Personal Protective Equipment, Walking/Working Surfaces and Fall Protection, Hazard Communication, Powered Industrial Trucks, Bloodborne Pathogens, Working in Extreme Weather Environments and Electric Power Generation, Transmission and Distribution. All subjects will emphasize hazard awareness. An OSHA Ten-Hour general industry card will be awarded to all students successfully completing the mandatory OSHA requirements contained in this curriculum. Each student will be required to compose a three to five page essay on personal safety.

Course Goals: To provide the student with a basic understanding of the requirements and techniques of complying with specific safety issues regarding working in an industrial environment.

Outcomes:

1. Demonstrate effective oral and written communication
2. Solve problems using critical thinking and creativity
3. Use appropriate technology and information to conduct research
4. Describe the value of personal, civic, and social responsibilities
5. Use quantitative analytical skills to evaluate and process numerical data
6. Ability to reference and cite OSHA standards applicable to an industrial work place.
7. Be conversant with standard operating procedures for processes and equipment found in an industrial work place.
8. Perform hazard assessments of typical processes found in an industrial work place.
9. Perform job task analysis to identify personal protective equipment (PPE) requirements for protecting employees.
10. Conduct general safety inspections to identify compliance and general safety issues applicable to an industrial work place.

Methodology: This course is designed to be a lecture course and will be supplemented with various multi-media presentations. The course will meet for three hours each week, and may include fieldtrips.

Evaluation Criteria: Students will be evaluated in regards to class attendance, participation, unit tests, and a safety project.

Casper College may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.

Percent of total grade for required work is shown below.

Participation/Attendance	15%	
Worksheets/Quizzes/Test	35%	
Safety Project/Paper/Safety Topics	25%	Due: Nov 12 th , 2015
Final	25%	
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	100%	

Grading Policy:

A	=	90-100%
B	=	80-89%
C	=	70-79%
D	=	60-69%
F	=	Less than 60%

Attendance at each class is required and there will be a strong correlation between class attendance and the final course grade. Each student is responsible for the materials provided during lecture. It is each student's responsibility alone to acquire lecture notes, handouts and exercise for missed classes. Excused absences must be cleared with the course instructor so arrangements can be made. Makeup exams may be given depending on the reason, the status of the student's class participation, and attendance

Required Text, Readings, and Materials: Applicable OSHA regulations, classroom notes and handouts

Class Policies: Last Date to Change to Audit Status or to Withdraw with a W Grade:
Last Date to Change to Audit Status or to withdraw with a W Grade is Nov 12th, 2015

Student Rights and Responsibilities: Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Dean, and lastly the Vice President for Academic Affairs.

Academic Dishonesty: (Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

Official Means of Communication: Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly. This is also, where you will find course evaluation links during course evaluation periods.

ADA Accommodations Policy: If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

ENVT 1600, Industrial Safety - Lecture Schedule

Lecture Schedule

<u>Week</u>	<u>Topic</u>	Note: Syllabus is subject to change
1	Introduction, class policies and expectations, OSHA 10-Hour General Industry	
2 -10	OSHA 10-Hour General Industry: Topics will vary with industry being discussed	
11	Communication	
12	LOTO- Lock Out Tag Out	
13	Human Performance	
14	GHS-Global Harmonized System	
15	Workplace Violence, Review for Final Examination, Safety papers are due by 5:00 11-12-15, No late papers will be accepted!!!!	
16	Final	