### COURSE INFORMATION FORM

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>EHSS</th>
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<tbody>
<tr>
<td>COURSE TITLE</td>
<td>Introduction to Environmental Health and Safety</td>
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<th>CR. HR</th>
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<th>LECT HR</th>
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<th>LAB HR</th>
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<th>CLOCK HR</th>
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### CATALOG DESCRIPTION

This course for non-EHS students is a review of environmental and health and safety regulations published by the EPA, DOT, OSHA and the states regulatory agencies. This course emphasizes hazard identification, avoidance, control and prevention. The topics will include: Clean Air, Clean Water, Hazardous Waste, Hazard Communication, Fall Protection, Confined Space, Respiratory Protection and Personal Protective Clothing. Passing students meeting the attendance requirement will receive an OSHA 30-hr Outreach Card for General Industry.

### PREREQUISITES

None

### EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

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

1. Demonstrate a general understanding of OSHA and EPA regulations.
2. Describe the reporting procedures for hazardous conditions.
3. Describe methods and list examples of hazard communication.
4. Discuss how hazardous materials affect the environment.
5. Discuss employer and employee roles for safety compliance.
6. Discuss the hazards and control methods for walking/working surfaces, exit routes, fire protection, electricity, fall protection, and material handling.
GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

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<tr>
<th>Outcomes</th>
<th>ESO</th>
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PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Demonstrate an understanding of OSHA regulations as used in industry.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written Examinations (1-6)
2. Homework Assignments (1-6)
3. Student participation and in-class discussions. (1-6)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Introduction to Regulatory Structure

II. History of EHS Regulations and Guidance

III. EHS Regulatory Organizations and their standards
   A. United State Environmental Protection Agency (EPA)
      1. Clean Air Act (CAA)
      2. Clean Water Act (CWA)
      3. Safe Drinking Water Act (SDWA)
      5. Toxic Substance Control Act (TSCA)
      6. Resources and Recovery Act (RCRA)
      7. Comprehensive Environmental Response Compensation and Liability Act (CERCLA)
      8. Superfund Amendment and Reauthorization Act (SARA)
         a. Emergency Planning and Community Right-to-Know Act (EPCRA)
         b. Other Titles and Regulations*
   B. Hazardous Materials Transportation United States Department of Transportation (DOT)
   C. Occupational Health and Safety Act (OSHAct) and Administration (OSHA)
      1. Hazard Communication (HAZCOM)
      2. Material Handling
      4. Housekeeping
      5. Bloodborne Pathogens
      6. Respiratory Protection
      7. Personal Protective Equipment
      8. Hearing Conservation
      9. Lock-out/Tag-out
      10. Machine Guarding
      11. Electrical Hazards
      12. Confined Space
      13. Hot Work
      14. Fall Protection
   D. NFPA
   E. Guidance
      1. Body Mechanics
      2. Slips Trips & Falls
      3. Heat & Cold Stress
      4. Fire Safety