COURSE INFORMATION FORM

DISCIPLINE  EHSS
COURSE TITLE  Safety and Health Regulations and Standards
CR.HR  3  LECT HR.  3  LAB HR.  _______  CLIN/INTERN HR.  _______  CLOCK HR.  _______

CATALOG DESCRIPTION
A comprehensive overview of OSHA and other health and safety regulations. Subject areas include OSHA history, specific regulations regarding walking and working surfaces, hazard communication (hazcom), confined spaces, personal equipment, electrical, machine safeguarding, exit routes/fire protection, lockout/tagout, welding, and recordkeeping. In addition, hazard recognition and safe work practices will be covered. Upon satisfactory completion students will receive certificates in OSHA 511 (OSHA Standards Course for General Industry) and OSHA 7845 (OSHA Recordkeeping).

PREREQUISITES
None

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:

1. Locate and apply OSHA Safety and Health standards, policies and procedures.
2. Utilize OSHA standards and regulations to supplement an on-going safety and health program.
3. Identify common safety hazards of OSHA standards and propose abatement actions.
4. Describe appropriate abatement procedures for selected safety and health hazards.
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.

<table>
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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. Students will demonstrate the ability to apply foundational skill in an industrial setting, safely and to industry guidelines.
2. Students will think critically and apply problem-solving skills.
3. The program will graduate individuals who exhibit competence in the entry-level skills of technical profession environmental health and safety technology.
4. The program will graduate individual who can interact and communicate with managerial, supervisory, labor and external public using a combination of skills for a clear exchange of ideas and information.

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. Assignments, (1-4)
2. Written examinations, (1-4)
3. Student participation and In-class discussions, (1-4)
CATALOG NO.   EHSS 200

DISCIPLINE   Environmental Health and Safety

COURSE TITLE:  Safety and Health Regulations and Standards

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. Occupational Health and Safety Act (OSHA) and Administration (OSHA)
    A.   Walking and Working Surfaces
    B.   Hazard Communication
    C.   Permit-Required Confined Spaces
    D.   Personal Protective Equipment
    E.   Hazardous Materials
    F.   Industrial Hygiene
    G.   Electrical Safety
    H.   Safety-Related Work Practices
    I.   Machine Safeguarding
    J.   Hand & Portable Power Tools
    K.   Materials Handling
    L.   Exit Routes/Fire Protection
    M.   Lockout/Tagout
    N.   Welding
    O.   Recordkeeping

IV.  Consensus Organization
    A.   NFPA
    B.   ANSI
    C.   Other Guidance
        1.   Body Mechanics/Ergonomics
        2.   Heat & Cold Stress