COURSE INFORMATION FORM

DISCIPLINE: EHSS
COURSE TITLE: Waste Management and Resource Conservation

CR. HR. 3  LECT HR. 3  LAB HR.  CLIN/INTERN HR.  CLOCK HR.

CATALOG DESCRIPTION
Intense coverage of EPA’s Resource Conservation and Recovery Act (RCRA) including pollution prevention, underground storage tanks, treatment options, EPA inspections and hazardous waste manifesting. Special emphasis on hazardous waste determination, accumulation, storage, and related generator issues.

PREREQUISITES
EHSS 203 w/ a grade of C or better

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

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

1. Explain or describe the scope and purpose of RCRA.
2. Explain or describe criteria for solid waste disposal.
3. Complete/use a hazardous waste manifest.
4. Describe hazardous waste criteria.
5. Describe land disposal restrictions.
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. 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 (1-5)
2. Written examinations (1-5)
3. Student participation and in-class discussions (1-5)
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 Resource Conservation and Recovery Act (RCRA)
   A. Overview of the Act, regulations, guidance and policy
   B. How it works and who it affects
   C. EPA’s purpose of RCRA

II. Managing Solid Waste
   A. Definitions
   B. Criteria for Solid Waste Disposal Facilities
   C. Solid Waste Management Initiatives

III. Managing Hazardous Waste
   A. Hazardous Waste Identification
      1. Listed
      2. Characteristic
      3. Others:
   B. Generator, Importers and Exporters
      1. Regulated Generators
      2. Regulatory Requirements
   C. Transporter
      1. Regulated Transporters
      2. Regulatory Requirements
   D. Treatment, Storage, and Disposal Facility (TSD Facility)
      1. Definitions
      2. General Facility Standards
      3. Emergency Preparedness
      4. Recordkeeping
      5. Standards for TSD Units
      6. Closure and Financial Assurance
      7. Environmental Monitoring

IV. EPA Inspections and Corrective Action
   A. Regulatory Provisions
   B. Rulemaking
V. Pollution Prevention (P2)*
   A. Definitions
   B. Waste Minimization, Recycling, Product Exchange
   C. Business Impacts of P2

VI. Land Disposal
   A. Options
   B. Restrictions

VII. Treatment Technologies*
   A. Incinerators and Thermal Treatment Units
   B. Other Technologies

VIII. Managing Underground Storage Tanks (UST)*
   A. EPA UST Program Scope, Notification, and Technical Requirements
   B. State Programs
   C. Leaking UST Fund
   D. Spill Prevention, Control, and Countermeasure Plan (SPCC)