ALLAN HANCOCK COLLEGE
COURSE OUTLINE

DEPARTMENT:  FIRE, SAFETY & EMS
PREFIX & NO.:  ENVT 156
CATALOG TITLE:  First Response Operational
SCHEDULE TITLE:  FRO 16-HR
UNITS:  1
TOTAL LECTURE HOURS:  16
TOTAL NUMBER OF WEEKS:  (if other than 16)  2
GRADING OPTION:  Credit/No Credit Option

CATALOG DESCRIPTION
Designed to prepare the student to respond to a hazardous materials incident in a safe, defensive, and competent manner within the existing resources and to prevent exposures to nearby persons, property and environments. Meets OSHA requirements under Title 8 CCR 5192 and 29 CFR 1910.120.

SCHEDULE DESCRIPTION
Designed to prepare the student to respond to a hazardous materials incident in a safe, defensive, and competent manner within the existing resources. Meets OSHA requirements under Title 8 CCR 5192 and 29 CFR 1910.120.

COURSE GOALS  To encourage and enable students to:
1. recognize properties and characteristics of hazardous materials.
2. understand the problems a hazardous materials incident poses.
3. comprehend the actions necessary to safety function at a hazardous materials incident.

INSTRUCTIONAL OBJECTIVES  At the end of the course, the student will demonstrate the ability to:
1. list the categories of hazardous materials.
2. explain the steps and procedures for identifying different hazardous materials.
3. analyze a given scenario and list the associated safety concerns.
4. describe the procedures necessary to safely handle a typical hazardous materials incident.
5. analyze a case study and role-play the scenario until the scene is safely secure

COURSE OUTLINE

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<th>HOURS</th>
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<tbody>
<tr>
<td>1</td>
<td>Introduction to Hazardous Materials</td>
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<tr>
<td>2</td>
<td>Basic hazardous materials recognition and safety</td>
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<td>3</td>
<td>Safety, Isolation, and Notification (SIN)</td>
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<td>4</td>
<td>Containment and protective actions</td>
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<td>5</td>
<td>Command action plans</td>
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<td>Protective equipment, decon, disposal and documentation</td>
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<td>7</td>
<td>Specific planning and agency coordination</td>
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<td>Scene management</td>
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<td>Safety and isolation</td>
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<td>10</td>
<td>Legal aspects and the media</td>
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**APPROPRIATE READINGS (other than textbook)**
Hazardous materials for the First Responder, IFSTA

**ASSIGNMENTS**
Various short writing assignments

Sample Writing Assignment
Prepare a hazard and risk analysis matrix for a given hazardous material. Be sure to note the primary routes of entry associated with the hazardous substance.

**EVALUATION**
1. Various short writing assignments
2. Final exam consisting of multiple choice questions

Sample Question:
What hazard materials classification is indicated with the number 5?
A. Flammable Liquids
B. Oxidizers
C. Explosives
D. Radio Active

**TEXTS AND SUPPLIES**

Other Materials: Instructor prepared materials