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Date reviewed: Feb. 18, 2016

Industrial Education Safety (IES) 1106 Hazardous Material (HAZMAT) First Responder Awareness (.25 Unit)

[formerly Petroleum Technology 93U]

Prerequisite: None

Total Hours: 7 hours lecture; 1 hour lab (8 hours total)

Catalog Description: This course covers training required by the Occupational Safety and Health Administration (OSHA) first responder awareness level for individuals who are likely to witness or discover a hazardous substance release. This course is offered on a Pass/No Pass basis with the option to receive a letter grade. This course is offered at the WESTEC facility. Please see additional information here: <http://westec.org/>

Type of Class/Course: Degree Credit

Textbook: U.S. Department of Transportation. 2012 North American Emergency Response Guidebook. Neenah: Keller, 2012. Print.

Additional Required Materials: None

Course Objectives:

By the end of the course, a successful student will be able to

1. Recognize hazardous substances and the risk associated when involved in an incident,
2. Calculate potential outcomes connected to hazardous substances in an emergency,
3. Describe the role of the first responder awareness level, and
4. Realize the need for additional resources and make appropriate notifications

Course Scope and Content: (Lecture)

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| Unit I | Overview of emergency response <ol style="list-style-type: none">a. Terminology and abbreviationsb. Related regulations |
| Unit II | Hazardous substance recognition and identification <ol style="list-style-type: none">a. Recognition indicatorsb. Identification methodsc. Dangers of hazardous substances |
| Unit III | First responder awareness level <ol style="list-style-type: none">a. Requirements of first responderb. Recognizing an incidentc. Notification when an incident is discovered |



- Unit IV North American Emergency Response Guide (NAERG)
- a. Purpose
 - b. How to use guide

Course Scope and Content: (Laboratory)

- 1. Tabletop scenarios for decision-making practice in response to HAZMAT spills and releases.
- 2. Use of the NAERG

Learning Activities Required Outside of Class: If applicable, review and understand the role of the first responder awareness individual in the employer's emergency response plan.

Methods of Instruction:

- 1. Lecture
- 2. Hands-on practice
- 3. Audiovisual presentation

Methods of Evaluation:

- 1. Written final exam
- 2. Performance observation

Supplemental Data:

TOP Code:	095670: Indus Occupational Safe Health
SAM Priority Code:	C: Clearly Occupational
Distance Education:	Not Applicable
Funding Agency:	Y: Not Applicable(funds not used)
Program Status:	2: Stand-alone
Noncredit Category:	Y: Not Applicable, Credit Course
Special Class Status:	N: Course is not a special class
Basic Skills Status:	N: Course is not a basic skills course

Prior to College Level:	Y: Not applicable
Cooperative Work Experience:	N: Is not part of a cooperative work experience education program
Eligible for Credit by Exam:	NO
Eligible for Pass/No Pass:	C: Pass/No Pass
Taft College General Education:	NONE