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Board approval: December 12, 2018
Semester effective: Fall 2019

Occupational Safety and Health (OSH) 1108 Hazardous Waste Operations Emergency Response (HAZWOPER) Annual Refresher (.25 Unit)

[formerly Petroleum Technology 93K and IES 1108]

Prerequisite: Possession of current 24-hour or 40-hour HAZWOPER Technician Certificate

Prerequisite knowledge and skills: Before entering this class, a student should be able to

1. identify and perform initial emergency response to incidents of release of hazardous material and wastes, use Safety Data Sheet (SDS) and the North American Emergency Response Guide (NAERG) to evaluate and plan for response to hazardous material and waste incidents,
2. inspect, evaluate, and use personal protective devices and methods including Self Contained Breathing Apparatus (SCBA),
3. set up—a first responder unified incident command system, and
4. set up and operate a decontamination line.

Total Hours: 6 hours lecture; 2 hours lab (8 hours total)

Catalog Description: This course satisfies general annual refresher training requirements of 29 CFR 1910.120, Hazardous Waste Operations Emergency Response (HAZWOPER). This course is offered on a Pass/No Pass basis with the option to receive a letter grade. Course is repeatable.

Type of Class/Course: Degree Credit

Textbook: *USDOT 2016 North American Emergency Response Guidebook*. Neenah, WI: J.J. Keller & Associates. 2016.

Additional Required Materials: WESTEC generated handouts, unpublished

Course Objectives:

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

1. describe and function as a Hazmat Technician, Level II,
2. function within a unified Incident Command structure, and
3. perform monitoring duties of the Hazmat responders.

Course Scope and Content:

Unit I Safety and Health Procedures

- A. Assuring Health and Safety of Response Team Members while Executing Response
- Personal Protective Equipment
- B. Safe Work Practices
- C. Medical Surveillance
- D. Monitoring
- E. Material Handling

- Unit II Unified Command
- A. Definition
 - B. Functions
 - C. Incident Command Structure
 - D. Reporting and Relieving Protocols
 - E. Assuming Positions

- Unit III NAERG
- A. Purpose
 - B. Information Provided
 - C. How to Use

- Unit IV Response Scenarios – Hands on
- A. In-Field mock-up activities responding to simulated hazardous material release
 - B. Setting Boundaries
 - C. Establishing Incident Command Locations
 - D. Establishing Decontamination Protocols
 - E. Donning SCBA Protection
 - F. Victim Rescue

Lab Content:

1. Field response to simulated hazardous waste spill and gas release using simulator
2. Institution of the Incident command system
3. Set up and practice decontamination techniques
4. Use of NAERG in a field situation

Learning Activities Required Outside of Class: None

Methods of Instruction:

1. Lecture
2. Multimedia presentations
3. Discussion
4. Hands-on practical exercises

Methods of Evaluation:

1. Written final exam
2. Observation of Student Performance

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