

Course Outline

COURSE: JFT 18D **DIVISION:** 50 **ALSO LISTED AS:**

TERM EFFECTIVE: Fall 2011 **Inactive Course**

SHORT TITLE: HAZ MAT TECH 1D

LONG TITLE: Haz Mat Tech 1D - Tactical Field Operations

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
1	1	Lecture:	20	20
		Lab:	20	20
		Other:	0	0
		Total:	40	40

COURSE DESCRIPTION:

This course is designed for hazardous materials emergency responders. It provides the students with "hands-on" training in haz mat confinement and control operations including diking dams, absorbent materials, methods and procedures of plugging, patching, sampling, and over packing. Students are presented with an opportunity to utilize chemical protective equipment and decontamination methods and procedures. Information on other tactical considerations such as haz mat triage, sabotage, preservation of evidence, and EMS considerations is also provided. **PREREQUISITE:** Hazardous Materials 1A (JFT 18A), Hazardous Materials 1B (JFT 18B), and Hazardous Materials 1C (JFT 18C). **ADVISORY:** Eligible for English 250 and English 420.

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: D - Credit - Degree Applicable

GRADING MODES

L - Standard Letter Grade

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

- 02 - Lecture and/or discussion
- 03 - Lecture/Laboratory
- 04 - Laboratory/Studio/Activity

STUDENT LEARNING OUTCOMES:

1. Identify important guidelines regarding collection of evidence, obtaining search warrants, maintaining the chain of custody, and properly documenting an incident.
2. Identify various stresses that personnel working in chemical protective clothing are subjected to, the mechanisms by which heat builds up, and the appropriate measures to take for someone experiencing a heat related illness.
3. Demonstrate the proper procedures for the medical monitoring of hazardous material response personnel.
4. Identify guidelines for dealing with contaminated persons at a hazardous incident.
5. Identify operational situations which may exceed the responder's capabilities of training, equipment, or technical feasibility.
6. Identify the relationship between flammability, toxicity, and oxygen deficiency, and how these factors impact safety at a hazardous materials incident.
7. Match various toxicological terms and exposure values with their significance in predicting health hazards.
8. Identify some of the ways in which chemicals could be used for terrorism.
9. Identify some of the problems and resources which must be evaluated in order to triage hazardous materials incidents.
10. Identify various decontamination methods, factors that can affect the decontamination process, resources needed to set up a Contamination Reduction Corridor, and proper decontamination procedures.

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS

Inactive Course: 09/26/2011

1 WK 40 HRS This course explores a few additional tactical considerations, then takes the students directly into the hands-on application of offensive and defensive control measures. Module 1D is the final week of the Technician series. Upon completion of the first four courses, the student will be designated by the State of California as a certified "Hazardous Materials Technician."

Lecture, discussion and demonstrations will serve as the medium of instruction. Audio-visual aids will be utilized as they facilitate meaningful instruction. Individual guidance will be provided as required.

REPRESENTATIVE TEXTBOOKS:

Required: [Hazardous Materials 1D - Tactical Field Operations](#)
[Manual](#)
[Hazardous Materials 1D - Tactical Field Operations](#)
[Workbook](#)

Reading level determined to be: 12th + grade level.

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Transferable CSU, effective 199870

UC TRANSFER:

Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: N

Classification: I

Noncredit Category: Y

Cooperative Education:

Program Status: 1 Program Applicable

Special Class Status: N

CAN:

CAN Sequence:

CSU Crosswalk Course Department: JFT

CSU Crosswalk Course Number: 18D

Prior to College Level: Y

Non Credit Enhanced Funding: N

Funding Agency Code: Y

In-Service: Y

Occupational Course: C

Maximum Hours:

Minimum Hours:

Course Control Number: CCC000054880

Sports/Physical Education Course: N

Taxonomy of Program: 213300