

**Course Outline**

**COURSE:** JFT 206                      **DIVISION:** 50                      **ALSO LISTED AS:**

**TERM EFFECTIVE:** Spring 2022                      **CURRICULUM APPROVAL DATE:** 04/12/2022

**SHORT TITLE:** AUTO EXTRICATION

**LONG TITLE:** Auto Extrication

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
.5	18	Lecture:	.34	6.12
		Lab:	1.02	18.36
		Other:	0	0
		Total:	1.36	24.48

**COURSE DESCRIPTION:**

This course provides the knowledge and skills to prepare a student to extricate victim(s) from a common passenger vehicle in a safe and effective manner in accordance with AHJ policies and procedures. This is a pass/no pass course. **PREREQUISITE:** JFT 8 or equivalent.

**PREREQUISITES:**

Completion of JFT 8, as UG, with a grade of C or better.

**COREQUISITES:**

**CREDIT STATUS:** C - Credit - Degree Non Applicable

**GRADING MODES**

P - Pass/No Pass

**REPEATABILITY:** N - Course may not be repeated

**SCHEDULE TYPES:**

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

**STUDENT LEARNING OUTCOMES:**

By the end of this course, a student should:

1. Demonstrate the ability to size-up a vehicle incident, remove the victim(s) safely, and terminate a vehicle incident by documenting any modification or damage done to the vehicle during the extrication process, transferring scene control, communicating potential or existing hazards, and terminating command.

**COURSE OBJECTIVES:**

By the end of this course, a student should:

1. Become familiar with the skills and tools needed to create access and egress openings for rescue from a common passenger vehicle.

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

Curriculum Approval Date: 04/12/2022

**LECTURE CONTENT:**

I. Introduction (6 Hours)

- A. Identify facility requirements
- B. Identify classroom requirements
- C. Review course syllabus
  - 1. Course objectives
  - 2. Calendar of events
  - 3. Course requirements
  - 4. Student evaluation process
  - 5. Assignments
  - 6. Activities
  - 7. Required student resources
  - 8. Class participation requirements

## **LAB CONTENT:**

- I. Vehicle Extraction ( 2 Hours)
  1. Planning for and Sizing Up a Vehicle Incident (2 hours)
  2. Fire agency's role at a vehicle accident
  3. Operational Protocols
  4. Specific planning and ICS forms
  5. All types of vehicles common to an AHJ's boundaries
  6. Conducting a scene size-up
  7. Vehicle anatomy and common terminology
  8. Vehicle hazards
  9. Fire suppression and safety measures
  10. Emergency evacuation and safety signals
  11. Incident support operations and resources
  12. Operational protocols
  13. Specific planning forms based on vehicle types
  14. Various types of vehicles within AHJ boundaries
  15. Vehicle anatomy
  16. Appropriate fire suppression and safety measures
  17. Requesting support and resources
- II. Establishing Scene Safety Zones (2 Hours)
  1. Personal Protective Equipment
  2. AHJ scene safety operation procedures
  3. Traffic control and traffic flow concepts
  4. Types of traffic control devices and tools
  5. Existing and potential emergency scene hazards
  6. Hazard mitigation methods
  7. Characteristics of hot, warm, and cold safety zones and the activities carried out within each
  8. Appropriate personal protective equipment
  9. Traffic control concepts
  10. Traffic control devices and tools
  11. Existing or potential hazards
  12. Zone identification and personal safety techniques
- III. Establishing Fire Protection ( 2 hours)
  1. Types of fire and explosion hazards associated with a vehicle extrication incident
  2. Types of extinguishing agents/devices
  3. AHJ fire protection policies and procedures
  4. Types of flammable and combustible substances and ignition sources
  5. Extinguishment or control options
  6. Fire and explosion hazards
  7. Use of extinguishing devices
  8. Fire control strategies
  9. Managing ignition potential

- IV. Stabilizing a common Passenger Vehicle (2 hours)
  - 1. AHJ vehicle stabilization policies and procedures
  - 2. Mechanisms of common passenger vehicle movement
  - 3. Initial vehicle immobilization techniques
  - 4. Types of stabilization equipment
  - 5. Vehicle construction components that apply to stabilization
  - 6. Stabilization points
  - 7. How terrain conditions impact vehicle stabilization
  - 8. Operating stabilization equipment
- V. Isolating and Managing Energy Sources (1 hour)
  - 1. AHJ energy source isolation policies and procedures
  - 2. Energy types
  - 3. Energy sources
  - 4. System awareness and isolation methods
  - 5. Beneficial systems
  - 6. Tools for disabling hazards
- VI. Determining Passenger Vehicle Access and Egress Points (1 hours)
  - 1. AHJ vehicle access and egress standard operating procedures
  - 2. Entry and exit points
  - 3. Potential hazards associated with victim access and egress
  - 4. Entry and exit points and probable victim locations
  - 5. Evaluating the impact of vehicle stability on the victim
- VII. Creating Access and Egress Openings for Rescue (2 hours)
  - 1. AHJ vehicle access and egress policies and procedures
  - 2. Extrication equipment uses, limitations and safety considerations
  - 3. Points and routes of access and egress
  - 4. Techniques and potential hazards
  - 5. Selecting and operating tools and equipment
  - 6. Applying tactics and strategy based on assignment
  - 7. Performing hazard control based on selected techniques
  - 8. Safety procedures and emergency evacuation signals
- VIII. Disentangling Victims ( 2 Hours)
  - 1. Disentanglement points and techniques
  - 2. Dynamics of disentanglement
  - 3. Tool selection and application
  - 4. Victim protection methods
  - 5. Victim care and immobilization devices
  - 6. Initiating victim protective measures
  - 7. Extrication tools
  - 8. Evaluating and removing points of entanglement
  - 9. Incident stability and scene safety

- X. Removing a Packaged Victim to a Safe Area ( 2 hours)
  - 1. Patient handling techniques
  - 2. Incident Command System (ICS) roles
  - 3. Patient immobilization devices
  - 4. Immobilization packaging techniques
  - 5. Patient transfer devices
  - 6. Immobilization techniques
  - 7. Immobilization, packaging, and transfer devices for specific situations
  - 8. Medical protocols and safety features to immobilize, package and transfer
  - 9. Safe techniques for lifting a patient
- XI. Terminating a Vehicle Incident ( 2 hour)
  - 1. Vehicle extrication incident termination

**METHODS OF INSTRUCTION:**

Lab Lectures skills Demonstration Scenario based training

**OUT OF CLASS ASSIGNMENTS:**

Required Outside Hours 12

Assignment Description

Reading assignments from Textbook

**METHODS OF EVALUATION:**

Skill demonstrations

Evaluation Percent 80

Evaluation Description

Class Performance/s;

Performance Exams

Objective examinations

Evaluation Percent 20

Evaluation Description

Multiple Choice

**REPRESENTATIVE TEXTBOOKS:**

Vehicle Extrication Levels I and II: Principles and Practice student manual , David A. Sweet, Jones & Bartlett Learning, 2021.

ISBN: ISBN: 9781449648824

12 Grade Verified by: Doug Achterman

**RECOMMENDED MATERIALS:**

Principles of Vehicle Extrication, Fire Protection Publications, International Fire Service Training Association (IFSTA), 3rd edition Instructor handouts

**ARTICULATION and CERTIFICATE INFORMATION**

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Not Transferable

UC TRANSFER:

Not Transferable

**SUPPLEMENTAL DATA:**

Basic Skills: N

Classification: Y

Noncredit Category: Y

Cooperative Education:

Program Status: 1 Program Applicable

Special Class Status: N

CAN:

CAN Sequence:

CSU Crosswalk Course Department:

CSU Crosswalk Course Number:

Prior to College Level: Y

Non Credit Enhanced Funding: N

Funding Agency Code: Y

In-Service: N

Occupational Course: C

Maximum Hours:

Minimum Hours:

Course Control Number: CCC000525811

Sports/Physical Education Course: N

Taxonomy of Program: 213300