GAVILAN COLLEGE
5055 Santa Teresa Blvd
Gilroy, CA 95023

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

Units	Number of Weeks	Type	Contact Hours/Week	Total Contact Hours
.5	18	Lecture:	.34	6.12
		Lab:	1.02	18.36
		Other:	0	0
		Total:	1.36	24.48
		Total Learning Hrs:	36.72	

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. EIsolating 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