Occupational Safety and Health (OSH) 1125 Passport and Medic First Aid Refresher (.25 Unit)

Prerequisite: Successful completion of Industrial Education Safety 1107 with a grade of ‘C’ or better

Prerequisite knowledge and skills:

Before entering the course, the student should be able to:

1. perform all skills needed to respond to the immediate circumstances of an injury or sudden onset illness,
2. take the steps necessary to protect the care initiator from the hazards associated with lending aid to an injured or suddenly ill patient, and
3. understand the importance of maintaining control of an accident scene until emergency medical personnel arrive.

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

Catalog Description: This course covers the basic level of safety awareness required of all contractor personnel working on the properties of the California Oil Producers. Inclusion of First aid and CPR refresher training is intended to review knowledge, practice skill sets, and introduce new concepts and skills as necessary to support patients until the arrival of professional emergency response personnel. Course is repeatable if mandated for training requirements as a condition of continued paid or volunteer employment.

Type of Class/Course: Non Degree Credit

Textbook:


Additional Materials: None

Course Objectives:

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

1. Apply the information necessary to satisfy the safety orientation requirements for working on the properties of the California oil producers,
2. Evaluate patient support needs using new concepts that may have evolved since the student’s last instruction,
3. Perform new skill sets that emergency medical professionals have developed,
4. Perform all skills needed to respond to the immediate circumstances of an injury or sudden onset illness,
5. Evaluate and perform the steps necessary to protect the care initiator from the hazards associated with lending aid to an injured or suddenly ill patient, and
6. Select and implement the most effective methods for maintaining control of an accident scene and protect the patient until emergency medical personnel arrive

Course Scope and Content:

Passport

Unit I  California Oil Producers’ Orientation Video
A. Overview of hazards that may be encountered
B. California Oil Producers’ safety and health expectations while working on their properties

Unit II  Behavioral Based Safety Orientation
A. BBS programs
B. Focus of BBS programs

Unit III  Job Planning/Job Safety Analysis
A. Methods of identifying hazards
B. Why JSA’s should be used
C. JSA procedures

Unit IV  Producers’ Permit Procedures
A. Types of Safe Work Permits (SWP)
B. Responsibilities
C. SWP process and procedures

Unit V  Endangered Species
A. Rules when endangered species are encountered
B. Environmentally sensitive areas

Unit VI  Hazard Communication
A. Contractor responsibilities
B. Employee responsibilities
C. Chemical hazards
D. Labels and Global Harmonized System/Safety Data Sheet (GHS/SDS)

Unit VII  Proposition 65
A. Intent and purpose
B. Required signage

Unit VIII  Hydrogen Sulfide (H₂S)
A. Characteristics
B. Effects of exposure
C. Locations
D. Air Monitoring
E. Emergency rescue and evacuation
Unit IX  Personal Protective Equipment  
A. Standard PPE required  
B. Special PPE  
C. Jewelry and hair precautions  

Unit X  Control of Noise  
A. Effects on hearing  
B. Types of hearing protectors  
C. Locations of expected excessive noise  

Unit XI  Safe Work Practices  
A. General responsibilities  
B. Basic work rules  

Unit XII  Confined Space Entry Awareness  
A. Characteristics and types  
B. Hazards  
C. Atmosphere Monitoring  

Unit XIII  Cranes, Slings and Rigging  
A. General rules  
B. Operator responsibilities  
C. Types and uses  

Unit XIV  Overhead Power Line Policy  
A. Overhead power line safety  
B. “Look Up and Live” Flag Policy  
C. Loading and Transportation  
D. Work site procedures  

Unit XIV  Fall Protection  
A. Types  
B. Fall arrest equipment  

Unit XV  Excavation and Trenching  
A. Hazards  
B. Backhoe hazards  

Unit XVI  Heat Illness Prevention  
A. High Heat Procedures  
B. Signs and symptoms of heat illness  
C. Response to heat illness  

Unit XVII  Producers’ Safety Requirements  
A. Summary of topics covered  

Unit XVIII  Course Assessment  
A. 28 question test  

Medic First Aid Refresher
Unit I  Review Role of the First Aid Provider  
A. Emergency first aid care  
B. Recognizing an emergency  
C. Deciding to help  
D. Personal safety  
E. Using barriers  

Unit II  Review Approaching the Patient  
A. Assessing for response  
B. Mechanism for spinal injury  
C. Activating Emergency medical services (EMS)  

Unit III  Review Basic Life Support  
A. Circles of care  
B. Airway  
C. Clearing the Airway – Log roll  
D. Protecting the airway – Recovery position  
E. Breathing – Rescue ventilation  
F. Circulation – Chest compressions  
G. Unresponsive Patient  
H. Adult compression – Only CPR  
I. Sudden Cardiac Arrest – Using an AED (Automatic External Defibrillator)  

Unit IV  Review Bleeding and Shock  
A. Control of bleeding  
B. Managing Shock  

Unit V  Review Choking  
A. Foreign body airway obstruction  

Unit VI  Review Continuous Patient Care  
A. Ongoing assessment  

Lab Content for Medic First Aid Refresher:  
Guided hands-on practice  

1. Hands-on practice scenarios  
   A. Walkthrough SETUP –  
      Stop, Evaluate Environment, Evaluate Traffic, Determine Unknown Hazards, Protect Self  
      and Patient  
   B. Practice donning and doffing personal barriers  
      1) Gloves  
      2) Ventilation shield  
      3) Mask  

2. Communicate with patient  
3. Stabilize the head  
4. Contact EMS  
5. Establish the airway using Head-Tilt, Chin-lift method
6. Clear solid and fluid materials from airway
7. Use recovery position to protect airway
8. Apply rescue ventilation using shields
9. Apply chest compressions
10. Use an AED
11. Apply direct pressure to control bleeding
12. Position and maintain body temperature to manage shock
13. Use the accepted methods to clear airway of a choking patient

Learning Activities Required Outside of Class:

The students in this class will spend a minimum of 30 minutes per week outside of the regular class time doing the following:

1. Further review topics specific to industry employed

Methods of Instruction:

1. Lecture
2. Practice exercises
3. This course may be taught without writing assignments

Methods of Evaluation:

1. Passport – Written exam
2. Medic First Aid Refresher – Performance observation
3. This course may be taught without writing assignments

Supplemental Data:

<table>
<thead>
<tr>
<th>T.O.P. Code:</th>
<th>095670 Industrial Occupational Safety Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sam Priority Code:</td>
<td>B: Advanced Occupational</td>
</tr>
<tr>
<td>Funding Agency:</td>
<td>Y: Not Applicable</td>
</tr>
<tr>
<td>Program Status:</td>
<td>1: Program Applicable</td>
</tr>
<tr>
<td>Noncredit Category:</td>
<td>Y: Not Applicable</td>
</tr>
<tr>
<td>Special Class Status:</td>
<td>N: Course is not a special class</td>
</tr>
<tr>
<td>Basic Skills Status:</td>
<td>N: Not Applicable</td>
</tr>
<tr>
<td><strong>Prior to College Level:</strong></td>
<td><strong>Y:</strong> Not Applicable</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td><strong>Cooperative Work Experience:</strong></td>
<td><strong>N:</strong> Course is not a part of a cooperative education program</td>
</tr>
<tr>
<td><strong>Eligible for Credit by Exam:</strong></td>
<td><strong>Yes</strong></td>
</tr>
<tr>
<td><strong>Eligible for Pass/No Pass:</strong></td>
<td><strong>No</strong></td>
</tr>
<tr>
<td><strong>Discipline:</strong></td>
<td><strong>Industrial Safety</strong></td>
</tr>
</tbody>
</table>