Course Title: Carbon Monoxide Detector Responses (CORE)

Length of Course: 3 Hours  
Lecture/Lab Breakdown: 3/0

Prerequisites: ELIS

Referenced Texts: Instructor manual for program in question.

Course Goal: This course has been developed for delivery to a target audience of trained fire service personnel, however previous firematics training is not required. The course is designed to familiarize the student with a conceptual understanding of the technology, the purpose and operation of a residential CO detector, information regarding fire department dispatch decisions, considerations for response, considerations for investigation, a framework for working with outside agency assistance and resources for public education.

Description of Course: The course is a 3 hour lecture program designed to give responders the information needed to effectively and safely respond to incidents involving the known or suspected presence of carbon monoxide; particularly the activation of residential carbon monoxide alarms.

Description of Methodology to be used: (Brief) Lecture and demonstration

Student Equipment/Supply Needs: Students will need a pad of paper and writing instrument. Handouts as specific to the particular program used.

Equipment/Audiovisual/Supply requirements: VHS/VCR, Monitor(s), Screen, Slide projector, Overhead projector. (Check specific program requirements)

COURSE OUTLINE

<table>
<thead>
<tr>
<th>Time</th>
<th>Content</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>:30</td>
<td>Course Overview</td>
<td></td>
</tr>
<tr>
<td>:20</td>
<td>Unit 1: CO - The Invisible Danger</td>
<td></td>
</tr>
<tr>
<td>:30</td>
<td>Unit 2: CO Detectors</td>
<td></td>
</tr>
<tr>
<td>:45</td>
<td>Unit 3: Responding to a CO Detector Activation</td>
<td></td>
</tr>
<tr>
<td>:20</td>
<td>Unit 4: Working with Outside Agencies</td>
<td></td>
</tr>
<tr>
<td>:20</td>
<td>Unit 5: Public Education and Interagency Cooperation</td>
<td></td>
</tr>
<tr>
<td>:15</td>
<td>Summary</td>
<td></td>
</tr>
</tbody>
</table>
Competency Evaluation Mechanism (Brief description-attach copy): Direct questioning by instructor during course; optional written exam at conclusion.

Course Objectives (specific): At the conclusion of the class the participant will be able to:

1.1 understand what CO is, who is at risk, and why CO is a danger.
1.2 identify sources of CO associated with a residential environment.
1.3 recognize symptoms of CO poisoning.
2.1 understand the relationship between CO exposure levels and detector activation standards.
2.2 understand the basic technology and operating principles of CO detectors.
2.3 identify common CO detector installation practices and problems.
3.1 discriminate between CO exposures that represent emergencies and those that do not.
3.2 cite considerations used for making decisions on dispatch and response policies for CO detector calls.
3.3 understand the types and operating principles of field investigation instruments that are appropriate for CO calls.
3.4 learn effective methods of measuring CO levels and locating CO sources.
3.5 understand the correct procedures for returning CO detectors to service.
4.1 understand the importance of establishing a working relationship with agencies that can provide support and resources to emergency response organizations for CO incidents.
5.1 identify information that can be used for public education efforts directed at CO dangers and use of detectors.

Questions/Comments: Contact the Curriculum Specialist