Program of Instruction  
Course Syllabus

Course Title: Oil Well Firefighting

Course Duration: 4 hours

Program: Propane, Oil, and Gas Firefighting

Course Description: Responding to Oilfield Emergencies is a course designed to give fire fighter’s knowledge and practical skills in handling, Drilling and production site emergencies. Fire Fighters will be given the knowledge of equipment and incidents that can occur on Drilling and Production sites. They will train in live fire drills that simulate the emergencies on the sites.

Course Requirements and/or Recommendations: These can be divided into three categories: those completed prior to arriving in class (Pre-Course Work), those completed during class, such as homework assignments and quizzes (Course Work), and requirements completed after class but prior to receiving a certificate of completion. (Post-Course Work)

Summary of Directions
Pre-Course Work: None
Course Work: Attend and participate in lectures and drills.
Post-Course Work: None

Full protective equipment, optional SCBA

Course Policies:

Safety Policy: Students shall understand and follow all instructions pertaining to operational safety, as stated by instructors or as written in course materials. Instructors and students shall be mindful of safety at all times. Conduct judged to be unsafe shall be grounds for dismissal from the course.

Academic Integrity Policy: IFSI has the responsibility for maintaining academic integrity so as to protect the quality of the education provided through its courses, and to protect those who depend upon our integrity. It is the responsibility of the student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from conduct that aids others in such infractions. Any violation of the code of conduct is grounds for immediate dismissal from the course.

Reference List:
Responding to Oilfield Emergencies
(Ohio Oil and Gas Energy Education Program)
The American Oil & Gas Historical Society (The Petroleum Age – Vol. 2, No.3 September 2005)

**Course Content:**

Module: 1
Title: Introduction
Terminal Learning Objectives:
At the end of this module, the student will be able to define organizations in the petroleum industry.

Module: 2
Title: History of Oil
Terminal Learning Objectives:
At the end of this module, the student will be able to identify where the first Oil and Gas came from in Illinois.

Module: 3
Title: Origin and Accumulations / Characteristics
Terminal Learning Objectives:
At the end of this module, the student will be able to summarize the makeup of Oil.

Module: 4
Title: Oil field Equipment and Problems
Terminal Learning Objectives:
At the end of this module, given the parts and pieces, the student will be able to recognize them at Oil Well sites.

Module: 5
Title: Communicating
Terminal Learning Objectives:
Upon completion the student will learn the process of implementing the NFPA incident management system at an oilfield incident

Module: 6
Title: Strategic Modes and Tactics
Terminal Learning Objectives:
Given the NFPA Modes the students will be able to handle an Incident
## Course Schedule

<table>
<thead>
<tr>
<th>Event</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module 1 - Introduction</td>
<td>15 minutes</td>
</tr>
<tr>
<td>Module 2 – History of Oil</td>
<td>15 minutes</td>
</tr>
<tr>
<td>Module 3 – Origin and Characteristics</td>
<td>20 minutes</td>
</tr>
<tr>
<td>Module 4 – Oilfield Equipment and Problems</td>
<td>20 minutes</td>
</tr>
<tr>
<td>Module 5 – Communicating</td>
<td>20 minutes</td>
</tr>
<tr>
<td>Module 6 – Strategy and tactics</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Drill 1.1 – Horse Head (<em>One rotation of students</em>)</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Drill 1.2 – Tank Fires</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Drill 1.3 - Berm Fires</td>
<td>1 hour</td>
</tr>
</tbody>
</table>