Course Title: CCPS' HAZOP Studies & Other PHA Techniques for Process Safety & Risk Management

Course ID: CH157  
Course Type: Instructor-led (classroom) Course

http://www.aiche.org/ch157

Course Schedule

Day One

8:00 – 8:30  Registration
8:30 – 9:00  Introductions; Course Overview
9:00 – 10:00  PHA requirements and standards
10:00 – 10:15  Morning Break
10:15 – Noon  Anatomy of process incidents; inherent safety reviews
Noon – 1:00  Lunch Break
1:00 – 3:00  Basic concepts of the HAZOP Study methodology
3:00 – 3:15  Afternoon Break
3:15 – 5:00  HAZOP scenario development

Day Two

8:00 – 8:30  HAZOP Scenario Development (continued)
8:30 – 10:00  Application of HAZOP Study to a continuous process (workshop exercise)
10:00 – 10:15  Morning Break
10:15 – Noon  Determining the adequacy of safeguards; documenting findings and recommendations
Noon – 1:00  Lunch Break
1:00 – 2:30  Preparation for the PHA and first team meeting
2:30 – 3:00  Overview for other techniques; Checklist Analysis
3:00 – 3:15  Afternoon Break
3:15 – 4:30  Application of What-If Analysis to continuous process (with workshop)
### Day Three

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<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>8:00 – 9:30</td>
<td>Application of FMEA to continuous process (with workshop)</td>
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<tr>
<td>9:30 – 10:00</td>
<td>Introduction to Fault Tree Analysis; Method selection</td>
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<td>10:00 – 10:15</td>
<td>Morning Break</td>
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<td>10:15 – Noon</td>
<td>Hazard evaluation of procedure-based operations (with workshop)</td>
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<td>Noon – 1:00</td>
<td>Lunch Break</td>
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<td>1:00 – 2:00</td>
<td>PHA updates and revalidations</td>
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<td>2:00 – 2:30</td>
<td>PHA completion and reporting</td>
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<td>2:30 – 2:45</td>
<td>Afternoon Break</td>
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<td>2:45 – 4:30</td>
<td>Comprehension check and review</td>
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