

# ***Process Hazard Analysis (PHA) for Team Leaders***

Primatech's course is widely regarded as the most comprehensive available for PHA facilitators

The expectation that process hazard analysis (PHA) team leaders be trained to lead PHAs is shared by regulatory agencies and many process industry companies. It is also good engineering practice.

This course helps prepare team leaders to facilitate PHA study teams. In addition to receiving expert instruction on the technical and managerial procedures involved with leading a PHA team, you will form a study team with other participants and take turns leading the team. This workshop is overseen by an instructor who gives feedback on your performance. Upon completing this course you will receive certification of training.

The course provides you with specific detailed guidelines for facilitating PHA studies, including PHA revalidations. Participants discover the tactics and success factors that help ensure a successful study.

Course attendees receive a detailed course manual, workshop materials, checklists, job aids, and electronic copies of regulatory standards and resource materials.

## **Objective:**

Learn to organize and lead PHA studies, including revalidations, using the HAZOP, What-If and other PHA methods.

## **Target Audience:**

Engineers and others responsible for leading PHA studies.

## **Course Topics:**

- Overview of PHA
- PHA regulatory requirements
- Hazard identification (HAZID)
- PHA methods
- What-If and HAZOP studies
- Preparing and organizing PHA studies
- Inherent safety review
- Subdividing the process for study
- Design intent, parameters and deviations
- Completing the PHA worksheet
- Recording PHA studies
- Meeting regulatory requirements
- Management of PHA studies
- Multiple failures
- Human factors
- Facility siting
- Utilities
- Multiple modes of operation
- Process changes
- Quality control
- PHA revalidation
- Report preparation
- Follow-up on studies

## **Duration:**

Five days, 3.5 CEUs Awarded

For more information, contact:

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