

2010 PII Public Course Calendar – with mini-description of courses

Course Title	Typical Course Attendees	Fees/ Duration	Jan. '10	Feb. '10	Mar. '10	Apr. '10	May '10	June '10	July '10	Aug. '10	Sept. '10	Oct. '10	Nov. '10	Dec. '10
Course 1 Overview of Process Safety Management (PSM) – reviews all 14 elements of PSM as defined in US OSHA 29 CFR 1910.119. Excellent for workers	<ul style="list-style-type: none"> Workers – Operations, Maintenance, Lab, support staff Engineers – Process, Safety, and Mechanical Environmental Management and Technicians 	1 day	(only offered as a private course at client site)											
Course 2 Process Safety Management (PSM) – detailed description of each PSM element and how these interrelate. Some exercises and many examples. Great starter for PSM implementers	<ul style="list-style-type: none"> Managers – Operations, Safety, Environment, and Executive Engineers – Process, Safety, and Mechanical PSM Implementation Team Members – Anyone involved with implementation Compliance Auditors 	\$995 – 3 days \$1995 - 3 days, in Oman, Dubai [UAE] or Bahrain			15-17, Char		4-6, Char		12-14, Char		20-22, Char		15-17, Char	11-13, Bahrain
Course 3 Compliance Auditing for Process Safety – details of how to perform an audit (gather and analyzing data), using PSM elements as the focus	<ul style="list-style-type: none"> PSM Implementation Team Members Managers – Operations, Safety, Environment, and Executive Engineers – Process, Safety, and Mechanical Compliance Auditors 	\$695 – 2 days			18-19, Char						23-24, Char			
Course 4 Incident Investigation/Root Cause Analysis Leadership – In-depth explanation and hands-on workshops for perspective investigators/ analysts, cover all aspects and all activities. Uses the best practices from industry	<ul style="list-style-type: none"> Engineers – process, process safety, and mechanical Operations and Maintenance Staff – senior operators, maintenance technicians, supervisors Process reliability staff Process quality control/assurance staff 	\$895 – 3 days, in USA \$1995 - 3 days, in Dubai [UAE] or Bahrain			10-12, Knox		10-12, Knox 24-26, Dubai				15-17, Knox			8-10, San Fran.
Course 4-0 Incident Investigation/Root Cause Analysis Overview – overview for workers or	<ul style="list-style-type: none"> Operations and Maintenance Staff, process reliability, and process quality control/assurance staff who may be team members Managers who must ensure active 	1 day	(only offered as a private course at client site)											

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management who may participate in investigations	participation on investigation and RCA processes													
Course 5 Writing Effective Operating and Maintenance Procedures – following the rules taught in this course will prevent human error. This course is designed for writers (operators, maintenance workers, etc.)	<ul style="list-style-type: none"> Senior Operations and Maintenance Technicians are the primary targets of this course, since they should write their procedures and take ownership of them (maintenance technicians need only to attend the first day) Engineers – Process, Safety, and Mechanical PSM and Quality Compliance Auditors 	\$695 – 2 days \$1495 - 2 days, in Dubai [UAE] or Bahrain				19-20, Knox			2-3, Knox					
Course 6 Mechanical Integrity – explains how to comply with the MI requirements within PSM, as well as how to mesh MI with reliability. Many workshops	<ul style="list-style-type: none"> Designated employee responsible for designing, developing, and implementing a PSM-based MI program Engineers – Mechanical & Plant & Reliability Managers – Plant Manager, Maintenance, and Production PSM Manager or Coordinators 	\$695 – 2 days \$1495 - 2 days, in Dubai [UAE] or Bahrain				21-22, Knox			4-5, Knox					
Course 7 Management of Change and PSSR – In-depth explanation and workshops on how to manage changes to procedures, equipment, etc., including how to do simple hazard reviews and explains pre-startup safety reviews	<ul style="list-style-type: none"> Technical Managers and Supervisors HSE professionals Quality control managers and staff Engineers PSM coordinators Most other staff who are involved with designing, implementing, tracking, and evaluating MOC programs 	\$695 – 2 days \$1495 - 2 days, in Oman, Dubai [UAE] or Bahrain		11-12, Char					15-16, Char					
Course 8 PHA/HAZOP Leadership – the best course on how to lead and scribe hazard evaluations; taught by experts who have led hundreds of PHAs. For people who will be leading/scribing	<ul style="list-style-type: none"> Process engineer or project engineer Operations supervisor PSM coordinator E, H, & S Managers & Engineers 	\$1495 – 4 days, in USA \$1795 – 5 days, in USA \$2995 - 5 days, in Dubai [UAE] or Bahrain			1-5, Knox		15-19, Dubai	21-25, Char		27 - Oct 1, Char			4-8, Bahrain	
Course 8-O PHA/HAZOP Overview – review of the requirements and methods. Ideal for	<ul style="list-style-type: none"> Operations and Maintenance Staff, process reliability, and process quality control/assurance staff who may be team 	1 day	(only offered as a private course at client site)											

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managers or for team members	<ul style="list-style-type: none"> members Managers who must ensure active participation in PHA and hazard reviews (HAZOPs, etc.) 													
Course 9 PHA Revalidation – best, proven methods for revalidating PHAs/ HAZOPs. For experienced PHA leaders	<ul style="list-style-type: none"> This course is primarily for PHA leaders, but anyone with the following background will also find the course valuable: <ul style="list-style-type: none"> - Process engineer - PHA element coordinator/manager - PSM coordinator and auditors - E, H, & S Managers & Engineers 	\$695 – 2 days											18-19, Char	
Course 10 Human Error Prevention – covers all of the reasons why human make mistakes and why they develop habits (good and bad) and explains how to optimize each factor to control human error	<ul style="list-style-type: none"> Managers – Operations, Safety, Environment, and Executive Production Supervisors Training Managers Engineers – Process, Safety, and Mechanical PSM Coordinators and Managers PHA (hazard review) Leaders and Incident Investigators 	\$695 – 2 days, in USA \$1495 - 2 days, in Dubai [UAE] or Bahrain			8-9, Knox		22-23, Dubai				13-14, Knox			6-7, San Fran.
Course 11 Layer of Protection Analysis (LOPA) – thoroughly explains how to perform LOPA to judge risk and to determine the proper SIL. Taught by one of the 3 primary authors of the industry textbook on LOPA	<p>This course is designed for experienced PHA/HAZOP leaders, however, others will benefit from learning this simpler method for estimating risk. Only individuals with a strong technical background (such as engineers and scientists) should attend. Others who may benefit from this course include:</p> <ul style="list-style-type: none"> Managers – Operations, Safety Project Managers Engineers – Process, Safety, and Mechanical PSM Coordinators and Managers 	\$695 – 2 days, in USA \$1495 - 2 days, in Dubai [UAE] or Bahrain			15-16, Knox		29-30, Dubai		29-30, Knox				17-18, San Fran.	
Course 12 Job Safety Analysis (JSA) – detailed procedures and workshops to teach workers and supervisors how to perform JSAs	<ul style="list-style-type: none"> This course is for anyone involved in operations and maintenance that needs to know how to perform JSAs of new or existing tasks. Ideal for all operators and maintenance workers In addition, full-time safety practitioners, safety committee members, safety coordinators, safety specialists, safety managers, loss control managers, and 	3.5 hours (2 sessions offered each day)	(only offered as a private course at client site)											

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the latest approaches to reliability and manufacturing improvement, such as TMP, Six Sigma, Lean Manufacturing, RCA, Predictive Maintenance, Kaizen, etc.	reliability technical staff													
Course 17 Reliability Leadership for Manufacturing Excellence -- NEW -- Learn excellence in manufacturing practices that are patterned after the best-in-class manufacturing companies.	<ul style="list-style-type: none"> This course is for managers of production, maintenance, and corporate executives; reliability, process, and safety engineers Anyone who leads or influences the direction and success of manufacturing plants 	1-2 days, depending on needs												(only offered as a private course at client site)