



<b>COURSE TITLE</b>	: Process Safety Management	<b>COURSE CODE</b>	: PSM
<b>COURSE DURATION</b>	: 3 day(s) / 19.50 hour(s)	<b>COURSE LEVEL</b>	: Basic
<b>COURSE CATEGORY</b>	: Non-Competency		
<b>HRDF SCHEME</b>	: SBL		
<b>COURSE FEE</b>	: RM1,272.00 (inclusive of SST)		

**1. OBJECTIVES:**

At the end of the course, the participant will be able to:

- i. Understand and explain the component of PSM.
- ii. Link PSM to other management systems (e.g.: OSH MS, OHSAS, QMS, HSE MS).
- iii. Relate with OSHA 1994, FMA 1967 and CIMAH regulations.

**2. TARGET GROUP(S):**

- i. Safety and Health Officers.
- ii. OSH / HSE / Safety Managers.
- iii. OSH / HSE / Safety Professionals.
- iv. Potential CIMAH Competent Persons.
- v. Process, Electrical & Instrumentation (E&I), Project, Control and Process Safety Management Professionals.
- vi. Operators involved in conducting process safety studies.
- vii. Other people who are interested in PSM.

**3. ENTRY REQUIREMENT(S):**

- i. -

**4. TOPIC(S):**

- i. What is Risk Management.
- ii. Legal Requirement (OSHA 1994, FMA 1967 and CIMAH Regulation).
- iii. Element of PSM.
- iv. Process Hazard Analysis and Stages of Application.
- v. Elaboration on 6 elements in PSM.
- vi. Case Studies.
- vii. WIA - Piper Alpha.

**5. LIST OF REFERENCE BOOK(S):**

- i. Process Safety Management – U.S. Department of Labor- Occupational Safety and Health Administration – OSHA 3132.
- ii. Occupational Safety and Health Act 1994.
- iii. Factories and Machinery Act 1967.
- iv. Chemical Safety Board (CSB).





**6. LIST OF TEACHING AID(S):**

- i. LCD Projector.
- ii. Computer.
- iii. White Board with accessories.
- iv. Flip Chart with accessories.
- v. Wi-fi.
- vi. P&ID (Piping & Instrument Diagram).
- vii. CSB Video.

**7. LIST OF CLASSROOM ACTIVITIES:**

- i. Discussion.
- ii. Group work.
- iii. Presentation.

Last updated on 15<sup>th</sup> February 2012 by SAMA, PDD

 	<b>NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH</b>			
	<b>COURSE SCHEDULE</b>			
	No. Dokumen	No. Pindaan	Tarikh	Muka Surat
NIOSH-PDD-CS-PSM	00	15 Feb 2012	1 / 2	


**COURSE TITLE: PROCESS SAFETY MANAGEMENT**

**DAY ONE**

TIME	HOUR	TOPICS	TRAINER/ FACILITATOR
0830 - 0900	0.50	Registration	NIOSH
0900 - 1030	1.50	What is RM?	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1115	0.50	Continuation	
1115 - 1245	1.50	Legal Requirement	
1245 - 1400	1.25	LUNCH	
1400 - 1530	1.50	Elements of PSM Introduction to 14 Elements of PSM	
1530 - 1545	0.25	AFTERNOON TEA BREAK	
1545 - 1715	1.50	Elements of PSM Process Safety Information	
	<b>6.50</b>	<b>END OF DAY ONE</b>	

**DAY TWO**

TIME	HOUR	TOPICS	TRAINER/ FACILITATOR
0900 - 1030	1.50	Process Hazard Analysis (Include PID)	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1115	1.50	Operation Procedure	
1115 - 1245	1.50	Pre-start up Safety Review	
1245 - 1400	1.25	LUNCH	
1400 - 1530	1.50	Mechanical Integrity	
1530 - 1545	0.25	AFTERNOON TEA BREAK	
1545 - 1715	1.50	Management of Change	
	<b>6.50</b>	<b>END OF DAY TWO</b>	

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### DAY THREE

TIME	HOOR	TOPICS	TRAINER/ FACILITATOR
0900 - 1030	1.50	Presentation of Case Study – <i>Piper Alpha</i>	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1245	2.00	Group Assignment <ul style="list-style-type: none"> <li>• Case Studies</li> <li>• Sources of the information</li> </ul>	
1245 - 1400	1.25	LUNCH	
1400 - 1530	1.50	Group Work	
1530 - 1545	0.25	AFTERNOON TEA BREAK	
1545 - 1715	1.50	Presentation	
	<b>6.50</b>	<b>END OF THE COURSE</b>	

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