



COURSE TITLE	: Process Safety Management	COURSE CODE	: PSM
COURSE DURATION	: 3-day(s) / 19.50-hour(s)	COURSE LEVEL	: Basic
COURSE CATEGORY	: Non-Competency		
HRD CORP SCHEME	: Claimable		
COURSE FEE	: RM1,296.00 (inclusive of 8% SST)		

1. OBJECTIVE(S):

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. None.

4. TOPIC(S):

- i. What is Risk Management.
- ii. Legal Requirement (OSHA 1994, FMA 1967 and CIMAH Regulations).
- 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. Occupational Safety and Health Act 1994.
- ii. Factories and Machinery Act 1967.
- iii. Chemical Safety Board (CSB).
- iv. Process Safety Management – U.S. Department of Labor- Occupational Safety and Health Administration – OSHA 3132.

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. Lecture.
- ii. Discussion.
- iii. Group work.
- iv. Presentation.

 	NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH		
	COURSE SCHEDULE		
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COURSE TITLE: PROCESS SAFETY MANAGEMENT

DAY ONE

TIME	HOUR	TOPIC	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	
	6.50	END OF DAY ONE	

DAY TWO

TIME	HOUR	TOPIC	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	
	6.50	END OF DAY TWO	

DAY THREE

TIME	HOUR	TOPIC	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 • Case studies • Sources of the information	
1245 - 1400	1.25	LUNCH	
1400 - 1530	1.50	Group Work	
1530 - 1545	0.25	AFTERNOON TEA BREAK	
1545 - 1715	1.50	Presentation	
	6.50	END OF THE COURSE	