



<b>COURSE TITLE</b>	: Process Safety Management (Remote Learning)		
<b>COURSE DURATION</b>	: 3-day(s) / 19.50-hour(s)	<b>COURSE CODE</b>	: PSM-RL
<b>COURSE CATEGORY</b>	: Non-Competency	<b>COURSE LEVEL</b>	: Basic
<b>HRD CORP SCHEME</b>	: Claimable		
<b>COURSE FEE</b>	: RM 648.00 (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. Must have device (Computer/Laptop) to participate in e-learning platform. The use of mobile phones is NOT PERMITTED; **AND**
- ii. Must have good internet connection; **AND**
- iii. Zoom account registered with personal email.
- iv. Must use Google Chrome or Mozilla Firefox only.

**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. Computer/ Laptop.
- ii. Learning accessories.
- iii. P&ID (Piping & Instrument Diagram).
- iv. CSB video.

**7. LIST OF CLASSROOM ACTIVITIES:**

- i. Lecture.
- ii. Discussion.
- iii. Group work.
- iv. Presentation.
- v. Case study/ Scenario.

**COURSE TITLE: PROCESS SAFETY MANAGEMENT (REMOTE LEARNING)**

**DAY ONE**

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0830 - 0900	0.50	Registration	NIOSH
0900 - 1030	1.50	What is RM?	
1030 - 1045	0.25	BREAK	
1045 - 1115	0.50	Continuation	
1115 - 1245	1.50	Legal Requirement	
1245 - 1400	1.25	LUNCH BREAK	
1400 - 1530	1.50	Elements of PSM • Introduction to 14 Elements of PSM	
1530 - 1545	0.25	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	BREAK	
1045 - 1115	1.50	Operation Procedure	
1115 - 1245	1.50	Pre-start up Safety Review	
1245 - 1400	1.25	LUNCH BREAK	
1400 - 1530	1.50	Mechanical Integrity	
1530 - 1545	0.25	BREAK	
1545 - 1715	1.50	Management of Change	
	<b>6.50</b>	<b>END OF DAY TWO</b>	

### DAY THREE

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0900 – 1030	1.50	Case Study/ Scenario by Group (Discussion via WhatsApp group itself)	
1030 – 1045	0.25	BREAK	
1045 – 1245	2.00	Group Assignment • Case studies • Sources of the information	
1245 – 1400	1.25	LUNCH BREAK	
1400 – 1530	1.50	Group Work	
1530 – 1545	0.25	BREAK	
1545 – 1715	1.50	Presentation	
	<b>6.50</b>	<b>END OF THE COURSE</b>	