



<b>COURSE TITLE</b>	: Hygiene Technician 2 - Inspection, Testing & Examination of Engineering Control Equipment		
<b>COURSE DURATION</b>	: 5-day(s) / 32.25-hour(s)	<b>COURSE CODE</b>	: HT2
<b>COURSE CATEGORY</b>	: Competency	<b>COURSE LEVEL</b>	: Basic
<b>HRD CORP SCHEME</b>	: Claimable		
<b>COURSE FEE</b>	: RM3,240.00 (inclusive of 8% SST)	<b>EXAMINATION FEE</b>	: RM700.00

**1. OBJECTIVE(S):**

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

- i. Conduct inspection and testing of engineering control equipment.
- ii. Be a competent hygiene technician (Inspection & Testing of Engineering Control Equipment) under the USECHH Regulations 2000 (upon meeting the requirement on the Guidelines for the Registration of Assessors, Hygiene Technician and Occupational Health Doctor by DOSH).

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

- i. This course is designed for those who intend to be competent person for inspecting & testing of Engineering Control Equipment according to USECHH Regulations 2000.

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

- i. Malaysian citizen; **AND**
- ii. Possess at least a Diploma in Science, Diploma in Engineering, or Diploma in Occupational Safety and Health recognised by Malaysian Qualifications Agency (MQA).

**Note:** This entry requirement(s) is applicable for **training** purpose only. Please refer to the Guidelines for the Registration of Assessors, Hygiene Technician and Occupational Health Doctor by the Department of Occupational Safety and Health, Ministry of Human Resources Malaysia, 2<sup>nd</sup> Edition 2006 if you would like to be a registered competent person (Hygiene Technician 2). Effective 1<sup>st</sup> January 2024, participant is required to sit for the first examination within one (1) year from the date of completion of the course.

**4. TOPIC(S):**

- i. Regulatory Requirement.
- ii. Introduction to Control System & Engineering Control.
- iii. Water Spray System, General Ventilation System & Introduction to Local Exhaust Ventilation System.



- iv. Hood Selection, Design Criteria and Performance Testing.
- v. Duct System Selection, Design Criteria & Performance Testing.
- vi. Air Cleaning Devices, Fan and Testing & Evaluation of LEV System.
- i. Overview of SOHELP.

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



- i. Guidelines on OSH for Design, Inspection, Testing and Examination of LEV System.
- ii. Guidelines for the Registration of Assessors, Hygiene Technician and Occupational Health Doctor.
- iii. A Manual of Recommended Practice for Operation and Maintenance (Industrial Ventilation) by ACGIH.

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

- i. LCD projector.
- ii. Computer.
- iii. White board with accessories.
- iv. Flip chart with accessories.

**7. LIST OF CLASSROOM ACTIVITIES:**

- i. Lecture.
- ii. Discussion.
- iii. Practical.

 	<b>NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH</b>		
	COURSE SCHEDULE		
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**COURSE TITLE: HYGIENE TECHNICIAN 2 - INSPECTION, TESTING & EXAMINATION OF ENGINEERING CONTROL EQUIPMENT**

**DAY ONE**

TIME	HOUR	TOPIC	TRAINER/ FACILITATOR
0830 - 0900	0.50	Registration	NIOSH
0900 - 0915	0.25	Course Introduction	NIOSH
0915 - 1015	1.00	Regulatory Requirement	
1015 - 1030	0.25	MORNING TEA BREAK	
1030 - 1200	1.50	Introduction to Occupational Hygiene	
1200 - 1300	1.00	Behaviour of Air	
1300 - 1400	1.00	LUNCH	
1400 - 1530	1.50	Water Spray System	
1530 - 1545	0.25	AFTERNOON TEA BREAK	
1545 - 1715	1.50	Continuation	
	<b>6.50</b>	<b>END OF DAY ONE</b>	

**DAY TWO**

TIME	HOUR	TOPIC	TRAINER/ FACILITATOR
0830 - 1030	2.00	Dilution Ventilation	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1145	1.00	Introduction to Local Exhaust Ventilation System	
1145 - 1300	1.25	Hood Selection, Design Criteria and Performance Testing	
1300 - 1400	1.00	LUNCH	
1400 - 1515	1.25	Continuation	
1515 - 1530	0.25	AFTERNOON TEA BREAK	
1530 - 1700	1.50	Duct System Selection, Design Criteria & Performance Testing	
	<b>7.00</b>	<b>END OF DAY TWO</b>	

### DAY THREE

TIME	HOUR	TOPIC	TRAINER/ FACILITATOR
0830 - 1030	2.00	Fan and Testing	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1245	2.00	Evaluation of Local Exhaust Ventilation System	
1245 - 1400	1.25	LUNCH	
1400 - 1530	1.50	Air Cleaning Devices	
1530 - 1545	0.25	AFTERNOON TEA BREAK	
1545 - 1645	1.00	Push-Pull Ventilation	
1645 - 1745	1.00	Overview of SOHELP	
	<b>7.50</b>	<b>END OF DAY THREE</b>	

### DAY FOUR

TIME	HOUR	TOPIC	TRAINER/ FACILITATOR
0830 - 0930	1.00	Report Writing	
0930 - 1030	1.00	Demonstration of Instrument	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1245	2.00	Practical LEV	
1300 - 1400	1.00	LUNCH	
1400 - 1530	1.50	Continuation	
1530 - 1545	0.25	AFTERNOON TEA BREAK	
1545 - 1715	1.50	Continuation	
	<b>7.00</b>	<b>END OF DAY FOUR</b>	

**DAY FIVE**

TIME	HOUR	TOPIC	TRAINER/ FACILITATOR
0900 - 1000	1.00	Calculation of Results & Preparation for Presentation	
1000 - 1015	0.25	MORNING TEA BREAK	
1015 - 1215	2.00	Continuation	
1215 - 1430	2.25	LUNCH (FRIDAY PRAYER)	
1430 - 1545	1.25	Group Presentation	
1545 - 1600	0.25	AFTERNOON TEA BREAK	
1600 - 1700	1.00	Continuation	
1700 - 1730	0.50	Examination Briefing	ECD
1730 - 1745	0.25	Evaluation & Closing	NIOSH
	<b>5.25</b>	<b>END OF THE COURSE</b>	