



COURSE TITLE	: Hygiene Technician 2 - Inspection, Testing and Examination of Engineering Control Equipment		
COURSE DURATION	: 5-day(s) / 36.00-hour(s)	COURSE CODE	: HT2
COURSE CATEGORY	: Competency	COURSE LEVEL	: Basic
HRD CORP SCHEME	: Claimable (1000182213)		
COURSE FEE	: RM3,240.00 (inclusive of 8% SST)		
EXAMINATION FEE	: RM700.00 (payable separately)		

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, 2nd Edition 2006 if you would like to be a registered competent person (Hygiene Technician 2). Effective 1st 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 and Standard Requirements.
- ii. Introduction to Occupational Hygiene and Workplace Control.
- iii. Introduction to Ventilation System.



- iv. LEV Hood Design Criteria and Performance Testing.
- v. Duct System Design Criteria and Performance Testing.
- vi. Fan and Stack.
- vii. Air Cleaning Device.
- viii. Special Types of Ventilation System.
- ix. Evaluation of Local Exhaust Ventilation System.
- x. Balancing and Modifying Industrial Ventilation Systems.
- xi. General Ventilation Systems.
- xii. Water Spray System.
- xiii. Demonstration of Instrument.
- xiv. Planning for Inspection, Examination and Testing of Engineering Control Equipment.
- xv. Report Writing.
- xvi. Practical Session (Testing and Troubleshooting).
- xvii. HT2 Registration Procedure
- xviii. Overview of SOHELP.

5. LIST OF REFERENCE BOOK(S):

- i. Occupational Safety and Health Act 1994.
- ii. Occupational Safety and Health (Fee for Registration of Competent Person and Registered Training Provider) Regulations 2024.
- iii. Guidelines on OSH for Design, Inspection, Testing and Examination of LEV System 2008.
- iv. Guidelines for the Registration of Assessors, Hygiene Technician and Occupational Health Doctor.
- v. 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.

Note: Participant is required to bring along laptop (for presentation) during the training session.

COURSE TITLE: HYGIENE TECHNICIAN 2 - INSPECTION, TESTING AND EXAMINATION OF ENGINEERING CONTROL EQUIPMENT

DAY ONE

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0815 - 0845	0.50	Registration and Course Briefing	Coordinator
0845 - 0945	1.00	Regulatory and Standard Requirements	
0945 - 1045	1.00	Introduction to Occupational Hygiene and Workplace Control	
1045 - 1100	0.25	MORNING BREAK	
1100 - 1300	2.00	Introduction to Ventilation System	
1300 - 1400	1.00	LUNCH BREAK	
1400 - 1600	2.00	LEV Hood Design Criteria and Performance Testing	
1600 - 1615	0.25	AFTERNOON BREAK	
1615 - 1745	1.50	Duct System Design Criteria and Performance Testing	
	7.50	END OF DAY ONE	

DAY TWO

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0830 - 1000	1.50	Fan and Stack	
1000 - 1015	0.25	MORNING BREAK	
1015 - 1130	1.25	Air Cleaning Device	
1130 - 1300	1.50	Special Types of Ventilation System	
1300 - 1400	1.00	LUNCH BREAK	
1400 - 1530	1.50	Evaluation of Local Exhaust Ventilation System	
1530 - 1545	0.25	AFTERNOON BREAK	
1545 - 1700	1.25	Continuation	
1700 - 1800	1.00	Generic Occupational Health	DOSH Additional Topic
	8.00	END OF DAY TWO	

DAY THREE

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0830 - 1030	2.00	Balancing and Modifying Industrial Ventilation Systems	
1030 - 1045	0.25	MORNING BREAK	
1045 - 1300	2.25	General Ventilation Systems	
1300 - 1400	1.00	LUNCH BREAK	
1400 - 1600	2.00	Water Spray System	
1600 - 1615	0.25	AFTERNOON BREAK	
1615 - 1730	1.25	Demonstration of Instrument	
	7.50	END OF DAY THREE	

DAY FOUR

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0830 - 0930	1.00	Planning for Inspection, Examination and Testing of Engineering Control Equipment	
0930 - 1030	1.00	Report Writing	
1030 - 1045	0.25	MORNING BREAK	
1045 - 1300	2.25	Practical Session (Testing & Troubleshooting)	
1300 - 1400	1.00	LUNCH BREAK	
1400 - 1530	1.50	Continuation	
1530 - 1545	0.25	AFTERNOON BREAK	
1545 - 1730	1.75	Data Analysis and Report Preparation	
	7.50	END OF DAY FOUR	

DAY FIVE

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0830 - 0900	0.50	Examination Briefing	ECD
0900 - 0930	0.50	HT2 Registration Procedure	
0930 - 1030	1.00	Overview of SOHELP	DOSH Additional Topic
10300 - 1045	0.25	MORNING BREAK	
1045 - 1230	1.75	Report Presentation (Group)	
1230 - 1430	2.00	LUNCH BREAK (FRIDAY PRAYER)	
1430 - 1545	1.25	Continuation	
1545 - 1600	0.25	AFTERNOON BREAK	
1600 - 1700	1.00	Continuation	
1700 - 1715	0.25	Evaluation & Closing	Coordinator
	5.50	END OF THE COURSE	

Note: Full report presentation - 30 minutes, Comments 30 minutes.