



<b>COURSE TITLE</b>	: Inspection, Testing & Examination of Engineering Control Equipment		
<b>COURSE DURATION</b>	: 5 day(s)/ 32.25 hour(s)	<b>COURSE CODE</b>	: IHT 2
<b>COURSE CATEGORY</b>	: Competency	<b>COURSE LEVEL</b>	: Basic
<b>HRDF SCHEME</b>	: SBL		
<b>COURSE FEE</b>	: RM 3,180.00 (inclusive of SST)	<b>EXAMINATION FEE</b>	: RM 700.00

**1. OBJECTIVES:**

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 GROUPS:**

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):**

Possess a diploma in engineering, and natural & applied sciences recognized by the Government of Malaysia and have a minimum of one (1) year practice in occupational safety and health.

**4. TOPICS:**

- 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.

**5. LIST OF REFERENCE BOOKS:**

- i. Manual of Industrial Ventilation ACGIH.



**INSTITUT KESELAMATAN DAN KESIHATAN PEKERJAAN NEGARA**  
**NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH**

**KURIKULUM KURSUS**

*COURSE CURRICULUM*

TEL: 03 – 8769 2100 FAX: 03 – 8926 2900

URL: [www.niosh.com.my](http://www.niosh.com.my)




**6. LIST OF TEACHING AIDS:**

- i. LCD Projector
- ii. Computer
- iii. White Board with accessories
- iv. Flip Chart with accessories

**7. LIST OF CLASSROOM ACTIVITIES:**

- i. -

Last updated on 27<sup>th</sup> December 2011 by PDD

	<b>NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH</b>			
	COURSE SCHEDULE			
	No. Dokumen	No. Pindaan	Tarikh	Muka Surat
	NIOSH-PDD-CS-IHT2	00	04-Mar-2019	1 / 3



**COURSE TITLE: INSPECTION, TESTING & EXAMINATION OF ENGINEERING CONTROL EQUIPMENT**

**DAY ONE**

TIME	HOUR	TOPICS	TRAINER / FACILITATOR
0830 - 0900		Registration	
0900 - 0915	0.25	Opening Session	
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	TOPICS	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>	



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### DAY THREE

TIME	HOUR	TOPICS	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	
	<b>6.50</b>	<b>END OF DAY THREE</b>	

### DAY FOUR

TIME	HOUR	TOPICS	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>	

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### DAY FIVE

TIME	HOUR	TOPICS	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	
1430 - 1545	1.25	Group Presentation	
1545 - 1600	0.25	AFTERNOON TEA BREAK	
1600 - 1700	1.00	Continuation	
1700 - 1730	0.50	Examination Briefing	
1730 - 1745	0.25	Evaluation & Closing	
	<b>5.25</b>	<b>END OF THE COURSE</b>	

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