



COURSE TITLE	: Crane and Machinery Safety Inspection	COURSE CODE	: CRINS
COURSE DURATION	: 2-day(s) / 14.50-hour(s)	COURSE LEVEL	: Intermediate
COURSE CATEGORY	: Competency		
HRD CORP SCHEME	: Claimable		
COURSE FEE	: RM1,060.00 (inclusive of 6% SST)		

1. OBJECTIVE(S):

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

- i. Able to perform the duties of machine and crane Inspector.
- ii. Spreading awareness on the safety requirements on the use of crane.
- iii. Interpret and understanding crane capacity chart.
- iv. Identify and sizing of crane capacity.
- v. Identify and sizing of capacity of lifting gear.

2. TARGET GROUP(S):

- i. Crane operator.
- ii. Safety and Health Officers.
- iii. OSH practitioners.
- iv. Safety and Health Committee members.
- v. Supervisors and all levels of workers.

3. ENTRY REQUIREMENT(S):

- i. 21 years old and above
- ii. Hold a rigger certificate or experience in lifting works at least 3 years
- iii. Physically and mentally fit; and
- iv. Able to read and write either Bahasa or English.

4. TOPIC(S):

- i. Legislative Requirements (OSH Acts).
- ii. Introduction to Lifting Works.
- iii. Mass Weight Calculation and Slings Method.
- iv. Lifting Gears.
- v. Signals and Communication.
- vi. Understanding Crane Capacity Load Chart.
- vii. Crane Safety Inspection Regulation & Requirement.
- viii. Inspection Checklist.
- ix. Practical - Crane & Safety Gear Inspection.



x. Assessment.

5. LIST OF REFERENCE BOOK(S):

- i. Occupational Safety and Health Act 1994.
- ii. Factories and Machinery Act 1967.


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 Personal Protective Equipment (E.g., Safety Helmet and Safety Boot) for the training session.

	NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH		
	COURSE SCHEDULE		
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COURSE TITLE: CRANE AND MACHINERY SAFETY INSPECTION

DAY ONE

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0830 - 0900	0.50	Registration and Course Briefing	NIOSH
0900 - 1030	1.50	Legislative Requirements (OSH Acts)	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1300	2.25	Mass Weight Calculations Slings Methods and Calculation	
1300 - 1400	1.00	LUNCH	
1400 - 1530	1.50	Lifting Gears • Wire rope • Webbing sling • Chain sling	
1530 - 1545	0.25	AFTERNOON TEA BREAK	
1545 - 1730	1.75	Signals And Communication	
	7.00	END OF DAY ONE	

DAY TWO

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0830 - 1030	2.00	Understanding Crane Capacity Load Chart	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1300	2.25	Crane Safety Inspection Regulation & Requirement	
1300 - 1400	1.00	LUNCH	
1400 - 1530	1.50	Inspection Checklist	
1530 - 1545	0.25	AFTERNOON TEA BREAK	
1545 - 1700	1.25	Practical - Crane & Safety Gear Inspection	
1700 - 1730	0.50	Assessment	Trainer
	7.50	END OF THE COURSE	