



COURSE TITLE	: Crane and Machinery Safety Inspection		
COURSE DURATION	: 2-day(s) / 14.50-hour(s)	COURSE CODE	: CRINS
COURSE CATEGORY	: Competency	COURSE LEVEL	: Intermediate
HRD CORP SCHEME	: Claimable	VALIDITY	: -
COURSE FEE	: RM 1,080.00 (inclusive of 8% 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 slinging 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
- iii. Crane Note
- iv. Course Handbook



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	TOPICS	TRAINER / FACILITATOR
0830 - 0900	0.50	Registration and Course Briefing	NIOSH
0900 - 1030	1.50	Legislative Requirements (OSHA Acts)	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1300	2.25	<ul style="list-style-type: none"> • Mass Weight Calculations • Slings Methods and Calculation 	
1300 - 1400	1.00	LUNCH	
1400 - 1530	1.50	Lifting Gears: <ul style="list-style-type: none"> • 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	TOPICS	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	