



COURSE TITLE	: Basic Rigging and Slings	COURSE CODE	: BRS
COURSE DURATION	: 2 day(s) / 13.50 hour(s)	COURSE LEVEL	: Basic
COURSE CATEGORY	: Competency		
HRDF CORP SCHEME	: Claimable		
COURSE FEE	: RM583.00 (inclusive 6% of SST)	EXAMINATION FEE	: RM150.00
TOTAL COURSE	: RM733.00 (inclusive 6% of SST)		

1. OBJECTIVES:

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

- i. Explain the legal requirement related to lifting operation.
- ii. Practice as rigger and signaller.
- iii. Explain the load securing and transportation safety.

2. TARGET GROUPS:

- i. Crane operator.
- ii. Rigger.
- iii. Signaler.
- iv. Interested parties.

3. ENTRY REQUIREMENT(S):

- i. Fit to work (Fill up Health Declaration Form NIOSH).
- ii. Candidates should at least be able to communicate and understand Bahasa Malaysia or English.

4. TOPICS:

- i. Topic 1 - Legal and Responsibilities.
- ii. Topic 2 - Lifting Equipment.
- iii. Topic 3 - Lifting Preparation.
- iv. Topic 4 - Rigging Method.
- v. Topic 5 - Load Movement Signal.
- vi. Topic 6 - Job Safety Analysis.

5. LIST OF REFERENCE BOOKS:

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



6. LIST OF TEACHING AIDS:

- i. LCD projector.
- ii. Computer.
- iii. White board with accessories.
- iv. Flip chart with accessories.
- v. Crane/ Lifting and hoisting machine (Valid CoF).
- vi. Lashing equipment.
- vii. Lifting equipment.

7. LIST OF CLASSROOM ACTIVITIES:

- i. Group discussion.

 	NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH		
	COURSE SCHEDULE		
	No. Dokumen	No. Pindaan	Muka Surat
	NIOSH-PDD-CS-BRS	PDD310331	1 / 2

COURSE TITLE: BASIC RIGGING AND SLINGING

DAY ONE

TIME	HOUR	TOPICS	TRAINER / FACILITATOR
0830 – 0900	0.50	Pendaftaran dan Pengenalan Kursus (<i>Registration and Introduction Course</i>)	NIOSH
0900 – 1000	1.00	Topik 1 : Perundangan dan Tangungjawab (<i>Legal and Responsibilities</i>)	
1000 – 1015	0.25	MINUM PAGI (MORNING TEA BREAK)	
1015 – 1200	1.75	Topik 2 : Peralatan Mengangkat (<i>Lifting Equipment</i>) - Jenis alatan (<i>Types of equipment</i>) - Kegunaan dan pemilihan (<i>Use and selection</i>) - Pemeriksaan dan penyelenggaraan (<i>Inspection and maintenance</i>)	
1200 – 1300	1.00	Topik 3 : Persediaan Mengangkat (<i>Lifting Preparation</i>) - Pengesahan berat beban (<i>Load weight confirmation</i>) - Beban kerja selamat (SWL) - Titik tengah pusat beban (COG) - Jenis dan Kaedah ikatan (<i>Types and method of hitches</i>) - Faktor sudut (<i>Angel Factor</i>) - Kajian kes dan perbincangan	
1300 – 1400	1.00	MAKAN TENGAHARI (LUNCH)	
1400 - 1430	0.50	Sambungan (<i>Continuation</i>)	
1430 – 1530	1.00	Topik 4 : Kaedah Pemasangan (<i>Rigging Method</i>): - Pemilihan peralatan (<i>Equipment selection</i>) - Mengikat beban (<i>Rigging the load</i>) - Mengawal beban (<i>Control the load</i>) - Meletak beban selamat (<i>Safe load securing</i>)	
1530 – 1545	0.25	MINUM PETANG (AFTERNOON TEA BREAK)	
1545 – 1615	0.50	Sambungan (<i>Continuation</i>)	
1615 – 1700	0.75	Topik 5 : Komunikasi Pergerakan Beban (<i>Load Movement Signal</i>) - Isyarat tangan (<i>Hand signal</i>) - Isyarat radio (<i>Radio signal</i>)	
1700 – 1730	0.50	Topik 6 : Analisa Keselamatan Kerja (<i>Job Safety Analysis (JSA)</i>)	
	7.00	TAMAT HARI PERTAMA (END OF DAY ONE)	

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	COURSE SCHEDULE		
	No. Dokumen	Revision No.	Muka Surat
	NIOSH-PDD-CS-BRS	PDD310323	2 / 2

DAY TWO

TIME	HOUR	TOPICS	TRAINER / FACILITATOR
0900 – 0930	0.50	Taklimat Penilaian (<i>Assessment Briefing</i>)	NIOSH (ECD)
0930 – 1030	1.00	Praktikal dan Penilaian (<i>Practical and Assessment</i>) • Pemeriksaan dan pemilihan (<i>Inspection and selection</i>) • Rigging/ Ikatan (<i>secure the load</i>)	
1030 – 1045	0.25	MINUM PAGI (MORNING TEA BREAK)	
1045 – 1300	2.25	Sambungan (<i>Continuation</i>)	
1300 – 1400	1.00	MAKAN TENGAHARI (LUNCH)	
1400 – 1530	1.50	Sambungan (<i>Continuation</i>)	
1530 – 1545	0.25	MINUM PETANG (AFTERNOON TEA BREAK)	
1545 – 1730	1.75	Sambungan (<i>Continuation</i>)	
	6.50	TAMAT KURSUS (END OF THE COURSE)	