

## BASIC RIGGING AND SLINGING COURSE

### COURSE OVERVIEW

The Basic Rigging and Slinging course is designed to provide participants with the essential knowledge and skills required for safe rigging and slinging operations in various industrial settings. The course covers fundamental concepts, techniques, and safety measures, ensuring that participants can perform rigging and slinging tasks efficiently and safely.

### OBJECTIVES

By the end of this course, participants will be able to:

- Understand the principles and terminology of rigging and slinging.
- Identify different types of rigging equipment and their proper usage.
- Conduct pre-use inspections of rigging and slinging gear.
- Apply safe rigging and slinging techniques in various scenarios.
- Recognize potential hazards and implement appropriate control measures.
- Comply with Occupational Safety and Health Act 1994 and industry standards.

### TARGET AUDIENCE

This course is ideal for:

- New employees in the construction, manufacturing, oil & gas, logistics and any industries that require the application of rigging and slinging.
- Workers who are required to perform rigging and slinging tasks as part of their job.
- Individuals seeking to enhance their knowledge and skills in safe rigging and slinging operations.
- SHO, SSS, OSH-C, Engineers

### COURSE CONTENT

1. **Introduction to Rigging and Slinging**
  - Definition and importance
  - Roles and responsibilities of a rigger
  - Industry standards and regulations



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**2. Types of Rigging Equipment**

- Slings: wire rope, synthetic, and chain
- Hooks, shackles, and eyebolts
- Load indicators and other accessories

**3. Pre-use Inspection of Rigging Gear**

- Inspection procedures
- Identifying defects and damage
- Proper maintenance and storage

**4. Safe Rigging Practices**

- Load weight estimation and center of gravity
- Sling angle and tension calculations
- Use of tag lines and hand signals

**5. Rigging and Slinging Techniques**

- Basic hitches: vertical, choker, and basket
- Use of multiple slings and equalizing loads
- Lifting, moving, and placing loads safely

**6. Hazard Recognition and Control**

- Common rigging and slinging hazards
- Risk assessment and mitigation strategies
- Emergency procedures and response

**7. Practical Sessions**

- Hands-on practice with rigging equipment
- Simulated rigging and slinging scenarios
- Assessment of practical skills

**DURATION**

The course is typically conducted over a 2-day period, with a combination of theoretical instruction and practical exercises.

**ASSESSMENT**

Participants will be assessed through a combination of written tests and practical evaluations to ensure their competence in rigging and slinging operations.



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## **CERTIFICATION**

Upon successful completion of the course, participants will receive a certificate of competency in Basic Rigging and Slings, recognized by industry standards. The competency is valid for 3 years.

## **COURSE PREREQUISITES**

No prior experience is required for this course. However, participants should have a basic understanding of workplace safety and manual handling principles.

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This course overview ensures that participants gain the necessary skills and knowledge to perform rigging and slinging tasks safely and effectively, contributing to a safer work environment.



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## COURSE TENTATIVE

### DAY 1

Time	Topic
09:00 am – 09:15 am	Participants registration
09:15 am – 10:30 am	<b>Module 1: Introduction to Rigging and Slings</b> <ul style="list-style-type: none"> <li>Definition and importance</li> <li>Roles and responsibilities of a rigger</li> <li>Industry standards and regulations</li> </ul>
10:30 am – 10:45 am	Morning Break
10:45 am – 12:00 pm	<b>Module 2: Types of Rigging Equipment</b> <ul style="list-style-type: none"> <li>Slings: wire rope, synthetic, and chain</li> <li>Hooks, shackles, and eyebolts</li> <li>Load indicators and other accessories</li> </ul>
12:00 pm – 01:00 pm	Lunch Break
01:00 pm – 03:00 pm	<b>Module 3: Pre-use Inspection of Rigging Gear</b> <ul style="list-style-type: none"> <li>Inspection procedures</li> <li>Identifying defects and damage</li> <li>Proper maintenance and storage</li> </ul>
03:00 pm – 03:15 pm	Tea Break
03:15 pm – 05:00 pm	<b>Module 4: Safe Rigging Practices</b> <ul style="list-style-type: none"> <li>Load weight estimation and center of gravity</li> <li>Sling angle and tension calculations</li> <li>Use of tag lines and hand signals</li> </ul>



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## DAY 2

Time	Topic
09:00 am – 09:15 am	Participants registration
09:15 am – 10:30 am	<b>Module 5: Rigging and Slinging Techniques</b> <ul style="list-style-type: none"> <li>Basic hitches: vertical, choker, and basket</li> <li>Use of multiple slings and equalizing loads</li> <li>Lifting, moving, and placing loads safely</li> </ul>
10:30 am – 10:45 am	Morning Break
10:45 am – 12:00 pm	<b>Module 6: Hazard Recognition and Control</b> <ul style="list-style-type: none"> <li>Common rigging and slinging hazards</li> <li>Risk assessment and mitigation strategies</li> <li>Emergency procedures and response</li> </ul>
12:00 pm – 01:00 pm	Lunch Break
01:00 pm – 03:00 pm	<b>Module 7: Practical Sessions</b> <ul style="list-style-type: none"> <li>Hands-on practice with rigging equipment</li> <li>Simulated rigging and slinging scenarios</li> <li>Assessment of practical skills</li> </ul>
03:00 pm – 03:15 pm	Tea Break
03:15 pm – 05:00 pm	<b>Module 7: Practical Sessions</b> <ul style="list-style-type: none"> <li>Hands-on practice with rigging equipment</li> <li>Simulated rigging and slinging scenarios</li> <li>Assessment of practical skills</li> </ul>



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