

Course Overview:

In the maintenance and engineering sectors, effective lifting operations are critical for safety, efficiency, and equipment longevity. This course provides participants with essential skills and knowledge in the safe use, inspection, and maintenance of lifting equipment and rigging tools. Targeting professionals involved in field operations, it enhances both technical expertise and compliance with industry standards.

Course Objective:

- Understand key principles and techniques in lifting and rigging operations.
- Identify and apply appropriate lifting equipment for various tasks.
- Execute safe handling and operational practices for rigging tools.
- Conduct effective inspection and preventive maintenance of equipment.
- Ensure compliance with legal and safety standards in lifting operations.

Course Outline:

1. Principles of Lifting and Rigging
 - Basic concepts of lifting operations
 - Types of rigging tools
 - Load calculations and handling techniques
2. Types of Lifting Equipment
 - Cranes, hoists, and winches
 - Selection and application of equipment
 - Advancements in lifting technology
3. Safe Handling of Lifting Equipment
 - Safety procedures and protocols
 - Risk assessment in lifting operations
 - Emergency response and accident prevention
4. Maintenance and Inspection of Equipment
 - Routine and preventive maintenance strategies
 - Inspection techniques for equipment integrity
 - Troubleshooting common issues
5. Compliance with Standards and Regulations
 - Adherence to industry safety standards
 - Legal requirements and compliance
 - Documentation and record-keeping
6. Efficiency and Productivity in Lifting Operations
 - Optimizing operation procedures
 - Efficiency improvement measures
 - Performance monitoring and analysis
7. Training and Competency Development
 - Operator training and certification
 - Skill development programs
 - Workforce competency enhancement
8. Case Studies and Practical Sessions
 - Real-world scenarios in lifting operations
 - Interactive workshops

Training Language:

English

Training Methodology:

The course combines various teaching methods, including instructor-led presentations, group discussions, case study analyses, and assessments through quizzes and a final exam to engage participants and ensure they understand and retain the material.

Venue | Date | Fees

Jubail | 02-11-2025 | 17,250 SAR

-Feedback and review sessions

Who Should Attend:

- Maintenance Technicians
- Rigging Operators
- Mechanical Engineers
- Safety Officers