

# Overhead Cranes

## *3-Day Course*

- ▲ Functions Of Cranes
- ▲ Types Of Cranes
- ▲ Safety Systems on Cranes
- ▲ Crane Components and Crane Checks
- ▲ Personal Protection Equipment
- ▲ Marking Symbols for Lifting
- ▲ Packaging Identification
- ▲ Parts/ Components of Crane and Safe Use
- ▲ Instrumentation And Safety Gauges
- ▲ Equipment Damages Identification
- ▲ Operational Checks
- ▲ Stowing The Crane
- ▲ What Is the Occupational Health and Safety Act?
- ▲ Correcting The Swinging Load
- ▲ Hand Signals
- ▲ Using Slings and Other Equipment
- ▲ Safe Working Load
- ▲ Sling Angles
- ▲ Types Of Lifting Equipment
- ▲ Chain Sling Inspections
- ▲ Hints On Sling Use
- ▲ Use Of Other Lifting Equipment
- ▲ Correct Rigging and Slings Methods Illustrations
- ▲ Centre Of Gravity /Balance
- ▲ Operational Safety Rules on Lifting Machinery and Equipment
- ▲ Crane Checks and Testing
- ▲ Inspection Sheet for Check with Power Off
- ▲ Inspection Sheet for Check with Power On
- ▲ Close Down/ Stow Checklist

### **Course Outcome**

The person credited with this unit standard is able to understand the functions, safety, and suitability of the crane prior to utilization in the freight handling industry. Learners are also able to inspect and record the operational fitness of the components of a crane and be able to access available support systems and emergency services in case of incidents and accidents while operating an overhead/gantry crane.

- ▲ The qualifying learner is capable of:
- ▲ Demonstrating knowledge of the functions of a crane.
- ▲ Identifying the safety and suitability of the crane type prior to utilisation.
- ▲ Inspecting and recording the operational fitness of the components of a crane.
- ▲ Operating an overhead crane in a safe and competent manner.
- ▲ Accessing available support systems and emergency services in case of incidents and accidents.