

Corporate Office

7042 Fairfield Business Dr.  
Fairfield, OH 45014-5480  
(513) 874-3225  
(513) 874-3229 Fax



## Rigging & Loading Fundamentals

**Course Description:** This course is designed for use by all riggers and/or loaders assisting overhead hoist and crane operators. It is also a good course for all supervisors, safety personnel and engineering personnel who work on the shop floor. Topics covered include basic terminology, prevention of shock loading, proper hitches and OSHA inspection requirements. In addition, basic safe use of hoists, cranes, below-the hook devices and hardware are covered.

**Prerequisites:** None

**Textbook:** Riggers and Loaders manual

### Learning Objectives:

- Define basic terminology
- Recognize a primary danger zone
- State what information is required on all below-the belt hook devices
- Demonstrate proper sling techniques
- Explain sling angles
- Discuss derate factors for eyebolts
- Explain the purpose of a hook safety latch
- Identify grades of chain slings
- State the weight of 1 cubic foot of steel
- State ways to prevent shock loading
- Explain critical lifts
- Identify non-uniform loads
- Identify proper hitches
- Explain OSHA safety requirements