

# Minnesota State

## Community and Technical College

### Workforce Development Solutions

### COURSE SYLLABUS FORM

**Title:** Basic Rigging

**Project/Course Number:** IHS141

**Contact Hours:** 4 hours

**Category:** Safety

**Subcategory:** Safety Training

**Project/Course Description:**

This course introduces the uses of slings and common rigging hardware. Trainees will learn basic inspection techniques, hitch configurations and load-handling safety practices, as well as how to use American Society of Mechanical Engineers hand signals. In addition to this, it will cover communications, basic rigging safety precautions, lift planning, and load and sling calculations, which include load charts and load balancing.

**Project/Course Outcomes - Participants Will Learn To:**

- Identify and describe the use of slings and common rigging hardware
- Select and inspect appropriate slings for a lift
- Determine the proper hitch to be used with various loads
- Describe basic inspection techniques and rejection criteria used for slings and hardware
- Explain basic hitch configurations and their proper connections
- Demonstrate and/or simulate the proper techniques for connecting hitches
- Discuss basic load-handling safety practices
- Use and interpret proper hand signals
- Apply the proper pre-lift safety checks
- Demonstrate how to lift the load level
- Attach and Detach a load using appropriate safety precautions

**Resources:**

Instructor: Qualified Instructor

Materials:

Physical Set-Up: Classroom/Meeting Room

**Product Director/Corporate Academic Dean:** G.L. Tucker, Executive Director - WDS

**Date:** March 2, 2017