ROPE AND RIGGING — ELLW 1145

A. Course Description

- Credits: 2.00
- Lecture Hours/Week: 2.00
- Lab Hours/Week: 0.00
- OJT Hours/Week: 0
- Prerequisites: None
- Corequisites: None
- MnTC Goals: None

Students will learn and practice knot tying and splicing. Also included are the study of rope characteristics, different uses of rope, and basic rigging techniques.

B. Course Effective Dates: 8/22/16 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Identify character types of rope, proper application, tying of required knots and demonstrate rope splicing.
2. Identify, explain and demonstrate proper use of web slings, hoists, knots, grips, and blocks.
3. Calculate working load limits, sling angles and mechanical advantage on rigging equipment, ropes, slings, chains and shackles.
4. Demonstrate and apply working knowledge of hand lines, block and tackle, hot hoists, chain hoists, mechanical attachments and grip types.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

F. Learner Outcomes Assessment

As noted on course syllabus

G. Special Information

None noted