

JRYM 423G: RIGGING & SIGNALING: AUTHORIZED PERSON/AUTHORIZED PERSON T-T-T

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Spring 2026
Units:	0
Hours:	7-8 hours lecture total per quarter.
Prerequisite:	This course is limited to students employed with Cupertino Electric.
Degree & Credit Status:	Non-Degree-Applicable Non-Credit Course
Foothill GE:	Non-GE
Transferable:	None
Grade Type:	Non-Credit Course (Receives no Grade)
Repeatability:	Unlimited Repeatability

Student Learning Outcomes

- Select the correct slings and hardware based on load weight and hitch type
- Inspect rigging gear (shackles, hooks, slings) for wear or damage (rejection criteria)
- Calculate tension on slings based on rigging angles
- Demonstrate standard hand and voice signals for crane operations

Description

This course covers topics related to the techniques, principles, and practices of basic rigging and signaling, as well as the associated hazards.

Course Objectives

The student will be able to:

1. Assist in safe lifting operations by applying proper rigging methods, using standard hand signals, and recognizing unsafe conditions.
2. Demonstrate and understand the techniques, principles, and practices of basic rigging and signaling, associated hazards, and instruction.
3. Inspect and properly use slings, shackles, hooks, and other rigging hardware.

Course Content

1. 7 hours on Rigging and Signaling Authorized Person Training
 - a. Introduction to basic rigging components and terminology
 - b. Slings, shackles, hooks, and other rigging hardware
 - c. Load weight estimation and center of gravity considerations
 - d. Rigging configuration and angle calculations

- e. Standard hand and voice signaling techniques; roles and responsibilities of riggers and signalers
 - f. Communication and coordination during lifts
 - g. Identification and control of rigging-related hazards; CEI safety policies and applicable regulatory standards
2. 8 hours on Rigging and Signaling Authorized Person - T-t-T Training

Lab Content

Not applicable.

Special Facilities and/or Equipment

1. When taught in person, this training must be conducted in a clean classroom with internet access, necessary hardware and software, and course materials, if applicable.
2. When taught online, this course requires access to CEI's Learning Management System (Amplify), continuous access to a computer with the necessary software and hardware to view video content, and a reliable intranet connection.

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

Results of skills demonstration

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

Lecture
Classroom demonstration

Representative Text(s) and Other Materials

CEI EH&S program, Fed/OSHA and Cal/OSHA standards, provided by Cupertino Electric.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

No assignments.

Discipline(s)

Electricity