

JRYM 434K: ELECTRICAL SAFETY - ARC FLASH & SHOCK HAZARDS

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Fall 2026
Units:	0
Hours:	1.5 lecture per quarter (1.5 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

- Identify common sources of electrical hazards
- Explain proper use and limitations of electrical PPE

Description

This course covers topics related to the hazards associated with electrical shock and arc flash, and the appropriate measures to take to avoid these hazards.

Course Objectives

The student will be able to:

1. Identify the dangers of electrical shock and arc flash.
2. Demonstrate the skills to implement proper safety measures to prevent these hazards in the workplace.

Course Content

1. Dangers of electrical shock and arc flash
2. Identifying common sources of electrical hazards
3. Safety measures for preventing electrical incidents
4. Proper use of personal protective equipment (PPE)
5. Implementing protective practices in the workplace
6. Developing skills to recognize and respond to electrical risks on the job site

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:

Quiz

Method(s) of Instruction

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

Lecture

Representative Text(s) and Other Materials

CEI EH&S program and applicable Fed/OSHA and/or 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