

JRYM 422A: FORKLIFT CLASS 1 (ELECTRIC) OPERATOR/OPERATOR RENEWAL

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Spring 2026
Units:	0
Hours:	1-2.5 hours total per quarter (0.5-1.5 hours lecture, 1-2 hours laboratory).
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 the components and operating functions of Class I electric forklifts
- Conduct thorough pre-operation inspections and battery maintenance procedures
- Maneuver the forklift safely in tight spaces, ramps, and around pedestrian traffic
- Demonstrate proper load handling and stability principles (Stability Triangle)

Description

In accordance with Federal OSHA 29 CFR 1910.178(l), 29 CFR 1926.602(d), and Cal/OSHA 8 CCR §3668 requirements, this course provides certification for individuals who operate a Class 1 electric motor forklift.

Course Objectives

The student will be able to:

- Identify the components and functions of Class 1 electric forklifts.
- Understand OSHA regulations and employer responsibilities under 29 CFR 1910.178(l).
- Demonstrate safe operating procedures, including starting, maneuvering, lifting, and parking.
- Conduct pre-operation inspections and identify maintenance needs.
- Recognize workplace hazards and environmental conditions that affect forklift operation.
- Safely perform battery charging and maintenance procedures.
- Apply proper load handling techniques and understand load stability principles.
- Pass a written test and hands-on performance evaluation.

Course Content

- 2.5 hours training for Forklift Class 1 (Electric) Operator
 - Overview of OSHA 1910.178(l) requirements
 - Operating instructions, warnings, and precautions
 - Controls and instrumentation
 - Visibility and load handling
 - Stability triangle and load center concepts
 - Battery charging and recharging procedures
 - Workplace-specific hazards (e.g., ramps, narrow aisles, pedestrian traffic)
 - Safety devices and warning systems
 - Operator responsibilities and employer obligations
- 0.5 hour training for Forklift Class 1 (Electric) Operator Renewal
 - An abbreviated version intended to renew a former operator

Lab Content

- Pre-operation inspection and checklist.
- Safe start-up and shutdown procedures.
- Maneuvering in tight spaces and around obstacles.
- Lifting, stacking, and un-stacking loads.
- Emergency procedures and safe parking.
- Battery maintenance and charging station safety.

Special Facilities and/or Equipment

- When taught in person, a clean classroom with internet access, and the necessary hardware and software must be provided for this training.
- When taught online, this course requires access to CEI's Learning Management System (Amplify), ongoing 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 written test
- Hands-on performance evaluation in the actual or simulated workplace

Method(s) of Instruction

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

- Lecture
- Classroom demonstrations

Representative Text(s) and Other Materials

Equipment, video(s), and course materials provided by Cupertino Electric.

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

No assignments.

Discipline(s)

Electricity