

JRYM 403A: INTRODUCTION TO QA/QC & BIM 360

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Fall 2026
Units:	0
Hours:	2 lecture per quarter (2 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

- Utilize BIM 360 to document inspections from Factory Acceptance Testing through energization
- Manage digital checklists and issue tracking (QA/QC) within the platform
- Generate custom reports on assets and project status
- Employ QR codes to expedite data entry and asset tracking in the field

Description

This course is an introduction to the Quality Program process and the BIM 360 tool used for QA/QC and CX.

Course Objectives

The student will be able to:

1. Document the inspection and testing of equipment and construction from Factory Acceptance Testing (FAT) through energization.
2. Manage checklists.
3. Create Issues.
4. Define various Issue traits, such as statuses, priorities, types, etc.
5. Identify the Assets module and explain how the Sample Assets Template and Locations Template are related.
6. Generate custom reports, including reports on Assets and Checklists.
7. Use QR codes to help expedite the use of the BIM 360 tool.

Course Content

1. Overview of the Quality Program
 - a. Purpose and goals of a Quality Program
 - b. QA vs. QC vs. CX: definitions and differences
 - c. QA/QC workflows using BIM 360 tools
 - d. Documenting and managing quality issues and inspections digitally

Lab Content

Not applicable.

Special Facilities and/or Equipment

1. When taught in-person, clean classroom with monitor and printed material for students to take as reference materials.
2. 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.
3. BIM 360.

Method(s) of Evaluation

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

Quizzes
Results of class participation

Method(s) of Instruction

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

Lectures
Group discussion
Classroom demonstration

Representative Text(s) and Other Materials

BIM 360 and Cupertino Electric's BIM process.

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

No assignments.

Discipline(s)

Electricity