



Environment, Health, & Safety
Training Program

EHS 0250 ~ Electrical Safety for Qualified Facilities Workers

Course Syllabus

Subject Category: Electrical Safety
Course Length: 2 hours
Delivery Mode: By Instructor
Schedule: Annually or by request

Course Prerequisite: EHS0260
Medical Approval: None

Course Purpose: This course is designed for employees and guests who are hired by facilities to construct and maintain the electrical distribution and all site buildings and structures. It is also available to any other qualified individuals and groups who are can demonstrate a need acceptable to this laboratory.

Course Objectives:

- Define and explain the hazards associated with 50-600 volt systems.
- Identify hazard analysis and mitigation techniques for electrical safety in facility power distribution systems.
- Define the working rules and practices for 50-600 volt systems.
- Define the acceptable use and requirements of personal protection equipment (PPE).
- Recall the National Fire Protection Association (NFPA) 70E (National Electrical Safety Code).

Course Instructional Materials:

- Overhead projector and PowerPoint presentation
- Excerpts from NFPA 70 and NFPA 70E
- IEEE standards
- Arc rated clothing

Instructors: Mark Scott

Training Compliance Requirements: 29CFR 1926; NFPA 70E; and 29CFR1910

Course Handouts: Student manual

Participant Evaluation: Written evaluations regarding the effectiveness of the trainer, the training, and the visual aids.

Written Exam: Yes

Practical Exam: No

Retraining/Recertification: No

WEB Resource: Pub-3000, Chapter 8