|  |  |
| --- | --- |
| **Topic:** Electrical Safety | **Sub Topic:** Electrical Hazards and Safe Work Practices |
| **Duration:** 2 Hour | **Resources:** [**Working Safely with Electricity**](https://www.osha.gov/sites/default/files/publications/OSHA3942.pdf) |
| **Equipment:*** PPE
* DVM, DMM
* GFCI
 | **Videos:** [**Electrical Safety for Non-Electrical Workers**](https://youtu.be/ggJo6m8NZtA)  |
| **Topic Description:**This lecture covers electrical safety and hazard awareness.  Special emphasis will be placed on engineering and work practice controls for managing electrical hazards.**Learning Outcomes:**Upon successful completion of this lecture, students will be able to:* Identify Safe Work Practices Required by OSHA.
* Identify the engineering controls in electrical safety standards and equipment.
* Identify electrical hazards.

**Activity:**Step 1         Students partner in groups of 2-4 to review electrical safety standardsStep 2    Students identify potential electrical hazards that may show up in their workplace.Step 3         Student groups to review case study of electrocution fatality.Step 4         Find three 29CFR1926 Subpart K standards not followed that appear to have contributed to this incident. Where do the standards fall on the hierarchy of controls? |