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Northeast Wisconsin Technical College

31-413-364 022732 Line Electrician-Safety 2

Course Outcome Summary

Course Information

Description	31-413-364 LINE ELECTRICIAN-SAFETY 2 ...Students will learn safety procedures in underground systems, trencher operation, single phase transformers, overhead three phase construction, electrical power line equipment; capacitor, regulators and OCR's, three phase transformer design and construction, protective grounds and pole top and buck truck rescue techniques. Students will perform related accident reviews. (Prerequisite: 31-413-362, Line Electrician-Safety 1)
Total Credits	1
Total Hours	36

Course History

Last Revision Date	3/16/2017
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Employability Skills

- Communicate Effectively
- Demonstrate Community and Global Accountability
- Demonstrate Personal Accountability
- Solve Problems Effectively
- Think Critically and Creatively
- Value Individual Differences and Abilities
- Work Cooperatively and Professionally

Program Outcomes

- TSA2 - Construct overhead electrical distribution systems
- TSA3 - Disassemble overhead electrical distribution systems
- TSA4 - Construct underground electrical distribution systems
- TSA5 - Disassemble underground electrical distribution systems
- TSA8 - Maintain electrical systems

Course Competencies

1. Identify basic safety elements of a overhead distribution systems.

Assessment Strategies

by identifying basic safety elements of a overhead distribution systems.

Learning Objectives

- 1.a. Use personal protective equipment.
- 1.b. Acknowledge safety rules in Safe Work Practice Manual.
- 1.c. Be aware of the hazards of overhead distribution systems.

Criteria

Your performance will be successful when:

you identify the hazards associated with overhead distribution systems.
you identify safety rules in the Safe Work Practice manual.

2. Identify basic safety elements of a underground distribution system.

Assessment Strategies

by identifying basic safety elements of a underground distribution system.

Learning Objectives

- 2.a. Use personal protective equipment.
- 2.b. Acknowledge safety rules in Safe Work Practice Manual
- 2.c. Be aware of the hazards in underground distribution systems.

Criteria

Your performance will be successful when:

you identify the hazards associated with underground distribution systems.
you identify safety rules in the Safe Work Practice manual.

3. Identify safety concerns associated with rigging.

Assessment Strategies

by identifying safety concerns associated with rigging.

Learning Objectives

- 3.a. Use personal protective equipment.
- 3.b. Acknowledge safety rules in Safe Work Practice Manual.
- 3.c. Be aware of the hazards of rigging.

Criteria

Your performance will be successful when:

you you identify the hazards associated with rigging.
you identify safety rules in the Safe Work Practice manual.

4. Identify safety issues of circuits and equipment in the field.

Assessment Strategies

by identifying safety issues of circuits and equipment in the field.

Learning Objectives

- 4.a. Use personal protective equipment.
- 4.b. Acknowledge safety rules in Safe Work Practice Manual.
- 4.c. Be aware of the hazards associated with circuits and equipment in the field.

Criteria

Your performance will be successful when:

you identify the hazards associated with circuits and equipment in the field.
you identify safety rules in the Safe Work Practice manual.

5. Identify the hazards of Delta and Wye transformer hook-ups.

Assessment Strategies

by identifying the hazards of Delta and Wye transformer hook-ups.

Learning Objectives

- 5.a. Use personal protective equipment.
- 5.b. Acknowledge safety rules in Safe Work Practice Manual.
- 5.c. Be aware of the hazards with Delta and Wye transformers hook-ups.

Criteria

Your performance will be successful when:

you identify the hazards associated with Delta and Wye transformer hook-ups.
you identify safety rules in the Safe Work Practice manual.

6. Discuss electric utility accidents and near miss accidents.**Assessment Strategies**

by discussing electric utility accidents and near miss accidents.

Learning Objectives

- 6.a. Visualize the affect of a electric utility accidents and near miss accidents.
- 6.b. Apply safety rules using the Safe Work Practices manual.
- 6.c. Critique other electric utility accidents and near miss accidents.

Criteria

Your performance will be successful when:

you discuss electric utility accidents and near miss accidents.
you identify electric utility accidents and near miss accidents that are related to class subject.
you associate safety rules from the Safe Work Practices manual with your electric utility accidents and near miss accidents.