



Course Outline

ELM 131B National Electric Code (NEC)

Development/Revision Date: 11/3/2022 by Deb Conrad

Number of Credits: 3

Transferability of Course within Nevada: May not transfer towards an NSHE bachelor's degree.

Prerequisites: Must be admitted to an approved apprenticeship program.

Course Description

Survey of the National Electric Code (NEC) and its application to the safe installation of electrical conductors and equipment.

Objectives

This course will address the National Electrical Code (NEC) and, upon completion of the course, students will be able to demonstrate a variety of safe installation practices, perform calculations associated with required wire size, circuit protection and electricity cost.

Linkage to WNC's Institutional Learning Outcomes

The course objectives relate to Student Learning Outcome 7, Career Preparation: Identify, describe, and apply information in the discipline or career area of their choice sufficient for further study and/or demonstrate competencies required to succeed in the workplace.

Instructional Methods and Modes

Methods of instruction for this course may include: student reading assignments, direct lecture of material, hands-on lab training and on-the-job training.

Assessment Methods



Assessment methods will include classroom discussion, assignments, and tests which will challenge the student's understanding of the content and prepare the student to complete the hands confidently and safely, competency completion through hands practice and troubleshooting during