

ELE 220 - ELECTRICAL CODE STUDIES II

Course Description

This course prepares students and/or the working apprentice electrician to take the State of Michigan Electrical Journeyman Examination. Concepts include the most up-to-date version of the National Electric Code as it pertains to special occupancies, special equipment, special conditions and communications systems. Additional emphasis is placed on exam preparation. Group 2 course.

Credit Hours

3

Contact Hours

3

Lecture Hours

3

Required Prerequisites

ELE 210

Course Learning Outcomes

Knowledge:

- Develop knowledge of the Michigan State Department of Licensing and Regulatory Affairs.
- Identify advanced symbols, formulas, and references used by the National Electrical Code.

Application:

- Prepare for the Michigan State Electrical Examination.
- Relate the National Electrical Code to real life situations.

Integration:

- Discuss connections between the rules presented in the NEC and the real world.
- Compare job performance and code stipulations.
- Contrast different approaches to the same job using applicable code references.

Human Dimension:

- Take responsibility for completing work in a neat and proficient manner.

Caring - Civic Learning:

- Commit to the safety and wellbeing of everyone on the job site and the end user.
- Value the importance of electricity and the electrical field to daily life.

Learning How to Learn:

- Construct knowledge about the use of logic in electrical studies.
- Reflect on their ability to use the National Electric Code, the State of Michigan Electrical Administrative Laws and OSHA Construction and Electrical safety rules effectively.