

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: ELE 138

Credits: 2

Course Title: National Electrical Code Review I

Course Description (including lecture hours, lab hours, total contacts)

Covers purpose and interpretation of the National Electrical Code as well as various charts, code rulings and wiring methods. Prepares the student to take the journeyman-level exam. Lecture 2 hours per week.

General Course Purpose

Prepares the student to take the journeyman- level exam

Course Prerequisites/Corequisites (*Entry-level competencies **required** for enrollment*)

None

Course Objectives

Upon completing the course, the student will be able to:

- a. identify the National Electric code as it relates to residential and industrial construction.
- b. develop an ability to solve basic code-related problems.
- c. identify load calculations.
- d. demonstrate knowledge of how to design electrical systems for residential and industrial installations.

Major Topics to be Included

- a. Residential code
- b. Industrial Code

Effective Date of Course Content Summary: May 2009