
A. CATALOG DESCRIPTION
1. Credits: 2
2. Hours/Week: 2
3. Prerequisites (if any): Admission into BUM Program, Completion of all BUM I courses with a grade of “C” or above; MATH 1015 or placement test into MATH 0098 and MATH 1016.
4. Co-requisites (if any): None
5. MnTC Goals (if any): NA

This course covers the Minnesota licensing requirements and presents the National Electric Code. Topics included from Code are branch circuits, feeders, general requirements, over current protection, grounding, conductors, and electrical safety.

B. DATE LAST REVISED (use current date): January, 2014

C. OUTLINE OF MAJOR CONTENT AREAS:
1. One and Multifamily Dwellings
2. Commercial and Industrial Locations

D. LEARNING OUTCOMES (GENERAL): The Student will be able to:
1. Explain code article one hundred.
2. Calculate fuse size.
3. Calculate breaker size.
5. Calculate voltage drop.
6. Determine duration box size.
7. Explain delta connection.
8. Explain wife connection.
9. Describe hazardous location.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
Grades will be based on a percentage of the total possible points from all graded activities.

G. RCTC CORE OUTCOME(S) ADDRESSED:
☑ Communication ☐ Civic Responsibility
☐ Critical Thinking ☐ Personal/Professional Accountability
☐ Global Awareness/Diversity ☐ Aesthetic Response

H. SPECIAL INFORMATION (if any):
Attendance is crucial in this class.