



MASTER COURSE OUTLINE

Prepared By: Bill Autry

Date: April 2014

COURSE TITLE

National Electric Code III

GENERAL COURSE INFORMATION

Dept.: IST

Course Num: 112

(Formerly:)

CIP Code: 46.0302

Intent Code: 21

Program Code: 784

Credits: 2

Total Contact Hrs Per Qtr.: 22

Lecture Hrs: 22

Lab Hrs:

Other Hrs:

Distribution Designation:

COURSE DESCRIPTION (as it will appear in the catalog)

This course relates the Washington State electrical laws (WAC Codes 296-46, RCW 19.28) and National Electrical Code (NFPA 70) as applied to electrical installation and the working electrician.

PREREQUISITES

IST 111 or Instructor Permission

TEXTBOOK GUIDELINES

Appropriate textbook as determined by faculty (Example: *National Electrical Codebook*, NFPA 70).

COURSE LEARNING OUTCOMES

Upon successful completion of the course, students should be able to demonstrate the following knowledge or skills.

1. Students will be able to apply the rules and regulations of Articles 500 to 900 of the National Electrical Code to specialized applications.
2. Students will certify NEC requirements for the following applications; Special Occupancies, Special Equipment, Special Conditions, and Communication Systems.

INSTITUTIONAL OUTCOMES

COURSE CONTENT OUTLINE

Study of the NEC Articles 500 through 900:

Chapter 5	Special Occupancies	Articles 500 – 555
Chapter 6	Special Equipment	Articles 600 - 695
Chapter 7	Special Conditions	Articles 700 - 780
Chapter 8	Communications Systems	Articles 800 - 875
Chapter 9	Tables and Examples	

DEPARTMENTAL GUIDELINES (optional)

DIVISION CHAIR APPROVAL

DATE