

INDUSTRIAL SAFETY EQUIPMENT

Course Syllabus for

National Electrical Code Update

INSTRUCTOR NAME: Bill Bonini
CONTACT INFORMATION: bill@indsafetysiteequip.com
Work: 801 288-4009
COURSE NUMBER: NEC Update WY #
CREDITS: 0.5-3 Variable
PREREQUISITE: Journeyman and Master Electricians

TRANSFERABILITY:

This technical course is intended to provide continued education for Journeyman and Master Electricians for the State of Wyoming. As such, it is not intended to be transferred to other institutions, although it may be accepted by similar reciprocal programs. It is suggested that you keep this course outline for potential transferability issues.

TEXTBOOK:

National Electrical Code 2017 Edition (Required)
By: National Fire Protection Association

COURSE DESCRIPTION:

This course is designed to update the participants skills and knowledge of the latest NEC Code changes.

One day (8 hour class) is dedicated to the code updates for the latest revision using Analysis of Changes published by Internationa Association of Electrical Inspectors.

One day (8 hour class) relates to the Electrical Construction Industry. The topics in this class relate to working safely with electricity following NFPA70E, electrical safety with installation and construction, and electrical installation and construction for power systems, grounding and hazardous locations, and latest vendor new technologies with electrical equipment. These topics are for upgrading the skill and knowledge of the participant.

COURSE OBJECTIVES & COLLEGE-WIDE GOALS FOR STUDENT SUCCESS:

Listed below are this course's primary goals and the measure of successful completion of these goals. Some of the course goals also reinforce WWCC's Goals for Student Success.

Goals for Student Success:

The following as goals for student success -

- Communicate Competently
- Retrieve Information
- See Issues from Multiple Perspectives
- Solve Problems
- Develop Life Skills

Course Primary Learning Goals and Integration of the Goals for Student Success:

What students will learn (Course Goals)	These Goals will be Addressed	What specific skill will be measured (Course Competencies)	How the skills will be measured (Assessment)
Code Update for Current Edition	Communicate Competently Retrieve Information See Issues from Multiple Perspectives Solve Problems	Discuss the updated code using the NEC published code updates. Retrieve and locate information using the NEC book. Determine solutions for installations using the NEC and code update material.	Each student will participate in and be scored based on: <ul style="list-style-type: none"> • Attendance • Classroom discussions • Installation responses of example problems
Electrical Construcion Industry Installation of power systems and grounding.	Retrieve Information See Issues from Multiple Perspectives Solve Problems	Retrieve and locate information using the NEC book. Determine solutions for installations using the NEC and code update material..	Each student will participate in and be scored based on competency in : <ul style="list-style-type: none"> • Classroom discussions • Problem solving activities • Attendance
Demonstrate safe work practices	Develop Life Skills	Using and understanding NFPA70E Understanding hazards such as electrocution, arc flash, falls and fires.	Each student will participate in and be scored based on competency in : <ul style="list-style-type: none"> • Attendance • Group Discussion

METHODS OF INSTRUCTION:

This course will employ a variety of instructional methods including lecture, demonstration, audio-visual programmed materials, group discussion and new vendor technology.

METHODS OF EVALUATION:

Attendance Policy – Attendance is mandatory for each 8 hour classes, no exceptions. The participant must be in attendance for the entire class.

Grading –Final grades are (S) Satisfactory or (U) Unsatisfactory

General Class Rules-Cell phone use and texting is prohibited during class time. Laptop computers are allowed for note taking purposes only. If the student is caught texting, playing games, surfing the web, or performing other distracting behavior on these devices, they will be asked to leave the class for the day. This class requires your engagement, and this type of behavior is detracting from that engagement (not only for the individual engaging in this behavior, but for others in the room as well).

MAJOR UNITS OF STUDY:

1. Working safely with electricity related to NFPA70E
2. Electrical safety with installation and construction
3. Electrical installation and construction vendor new technologies
4. National Electrical Code- Current Edition Update

CHANGES TO THE SYLLABUS:

The above schedule and procedures in this syllabus/outline are subject to change. Students will be notified of any changes to the course.

ADDITIONAL INFORMATION:

Any additional changes to the course or schedule will be announced in class with as much notice as possible. It is the student's responsibility to comply with such changes. Not being aware of such changes because of non-attendance of class will not be acceptable.