NFPA 70e, 2021 Edition, Electrical Safety Updates Online Course

# Provider Information

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| --- | --- | --- |
| Provider | Instructor | Email |
| Rio Tinto Kennecott | Scott R Seals | Scott.seals@riotinto.com |

# General Information

## Course Description

Using content from Mike Holt This course is based on the content from NFPA 70e, 2021 Edition. The goal of this online course is to help the student understand the rules in the NFPA 70e, from appropriate workspace clearances to PPE, we’ll help the student ensure their safety and the safety of others when working with electricity by fully understanding and adhering to the guidelines and requirements set forth.

## Expectations and Goals

The format of the course is designed to encourage constant interaction with the student. Each course is set-up to provide students with a page of text followed by a question that they must answer as they go through the material. This provides immediate application of the content learned. This format keeps students actively engaged in their learning through the entirety of the course.

## Student Interaction

Our online course provides the student with the ability to send questions about the course and content to Mike Holt and our CEU department 24 hours a day through our “Submit a Question” and “Report an Error” section.

# Course Materials

## Required Materials

Students are required to have a computer and reliable internet connection to properly use our online courses.

# Methods of Presentation

**Text**

The course utilizes text and full-color illustrations to help you visualize the change and safety requirements in practical use. You will review author’s comments & analysis, cautions regarding possible conflict or confusing NEC requirements, tips on proper electrical installations, and warnings of dangers related to improper electrical installations.

**Quiz Questions**

Student comprehension is tested immediately with page or video level questions. They must pass these quizzes with a 75% or better to receive credit for this course.

# Course Security

**Affidavits**

Students will be required to electronically sign the following affidavit when taking this online course:

I hereby certify that I am the person completing the following course (Name of Course) and that I will complete this course completely on my own. By entering my name below, I am ensuring I am the student who is enrolled in and completing this course

**Student Computer**

Students will not be allowed to be logged into multiple computers at once while completing our courses. Students will only be able to log into one computer to successfully take the course.

**Inactivity Timer**

Students with automatically be logged out of the course after 30 minutes of inactivity.

# Course Topics

| Module | Topics |
| --- | --- |
| Article 90 – Introduction | |  | | --- | | 90.1 - Purpose | | 90.2 - Scope | | 90.3 - Standard Arrangement | | 90.4 - Mandatory Rules, Permissive Rules, and Explanatory Material | | 90.5 - Formal Interpretations | |
| Chapter 1 – Safety-Related Work Practices | |  | | --- | | Article 100 - Definitions | | Article 105 - Application of Safety-Related Work Practices and Procedures | | Article 110 – Electrical Safety-Related Work Practices | | Article 120 – Establishing and Electrically Safe Work Condition | | Article 130 – Work Involving Electrical Hazards | |
| Chapter 2 – Safety-Related Maintenance and Integrity | |  | | --- | | Article 205 – General Maintenance Requirements | | Article 210 - Switchgear, Switchboards, Panelboards, Motor Control Centers, and Disconnect Switches | | Article 225 – Fuses and Circuit Breakers | | Article 250 – Personal Safety and Protective Equipment | |