

Article 300 – General Requirements for Wiring Methods

Course Syllabus & Outline

Course Details:

CEU Credits: 4

Contact Hours: 4

Course Type: Code Related

Required Textbook: None

Class Format/Location: Web-based course delivered online @ www.bluevoltceu.com

Prerequisite: A basic understanding of installing electrical raceways, cables, conductors and equipment. No technical knowledge is required.

Instructor: Rich Van Wert

Course Description:

This course covers general requirements for wiring methods and materials for all wiring installations unless modified by other articles in Chapter 3 per the 2023 NEC.

Course Learning Objectives:

1. Define all types of wiring installations reviewed in Article 300
2. Explain the benefits and requirements of a structured wiring system
3. Understand fundamentals behind designing a structured wiring system
4. Securely install a wiring system through preemptive wire protection methods
5. Provide clarity when and where exceptions to these methods may be applied

Student Learning Outcomes:

At the conclusion of this course, each student will be able to:

- *Understand the general requirements for wiring methods found in Article 300
- *Explain best practices when installing a structured wiring system
- *Apply secure wiring protection methods to workplace situations
- *Identify when and where exceptions may apply in accordance with Article 300

Evaluation/Grading: Pass/Fail. Students are required to pass each section quiz with a 70% or higher. There are unlimited attempts at each quiz. A final test is given at the end of the course. Students are required to get a 75% or higher on the final test to pass.

Control Time & Security: BlueVolt times each student's active participation in a course and enforces the module seat times (shown on the syllabus) via a timer. After 10 minutes of inactivity, the seat time clock stops and the learner is logged out. If learners complete the material before the seat time requirement is met, they may use review modules to revisit material as needed. For security, learner accounts are password protected. Learners must confirm their identity each time they log into the course.

Course Outline:

Module 1

- Sections 300.1 – 300.3
- Quiz

26 minutes

Module 2

- Section 300.4
- Quiz

27 minutes

Module 3

- Section 300.5
- Quiz

28 minutes

Module 4

- Sections 300.6 – 300.11
- Quiz

31 minutes

Module 5

- Sections 300.12 – 300.19
- Quiz

25 minutes

Module 6

- Sections 300.20 – 300.23
- Quiz

35 minutes

Final Quiz

30 minutes