



2026 NEC Field Applications for Bonding and Grounding

Provider Information

Provider

Mike Holt Enterprises

Instructor

Mike Holt

Email

ceuonline@mikeholt.com

General Information

Course Type

Online/Distance Learning Course

Course Subjects/Hours

Section Subject	Time
Chapter 3–Wiring Methods and Materials	100 Minutes
Chapter 4–Equipment for General Use	40 Minutes
Chapter 6–Special Equipment	60 Minutes
	Total time: 200 Minutes/4 Hours

Course Objectives

The format of the course is designed to encourage constant interaction with the student. This course provides students with pages of text and graphics followed by a question related to that material. This provides immediate application of the content learned. This format keeps students actively engaged in their learning through the entirety of the course. 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.

Source Materials/References

The subjects covered in each section is included directly in the course. This course is based on *Mike Holt’s Understanding NEC Requirements for Bonding and Grounding* textbooks and video programs.

Students are required to have a computer and reliable internet connection to properly use our online courses. Our courses are optimized to perform on Firefox or Google Chrome.

Contact Us:

Proof of Compliance for Interactive Distance Learning

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. During normal business hours (8:30am to 5:00pm EST) all calls are answered by customer service and questions that are emailed to the department are always responded to and resolved within 2 hours during normal business hours. Questions that are emailed while the office is closed are addressed within 6-8 hours.

Course Interactivity

Each chapter and module have page questions and quizzes throughout the course. This course is presented in an interactive online format and includes content and page questions throughout the course. The program can be taken from any computer and is available 24 hours a day.

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.

In addition, all students give feedback on courses through surveys and we are able to continue to enhance the program based on this consistent feedback.

Student Verification

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.

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

Beginning of the 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

At the end of the course:

I hereby certify that I have completed all questions and exams in the following course (Name of Course). I have completed this on my own without any help from others. By entering my name below, I am agreeing that all information is accurate.

Course Timer

Our courses track all student progress and has a built-in timer. We require students to be engaged in the course for a minimum of 50 minutes per credit hour. Students will not be able to receive credit unless they have met the minimum time requirement for this course. Students can track their time remaining by viewing the course timer while they are logged into the course.

Inactivity Timer

Students will automatically be logged out of the course after 15 minutes of inactivity.

Contact Us:

www.mikeholt.com/ceu | 888-632-2633 | ceuonline@mikeholt.com

Typing DNA

Our system utilizes software that verifies the student who activates course, creates and logs into their account, enters any profile and license information, and enters and takes the course, is the same person by their typing DNA. This security feature matches the student key strokes which validates it's the same live person by how they type, which is unique to each individual. If there isn't a match, our system will require facial recognition verification immediately.

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Course Topics

Course Outline

Module Details

Chapter 3—WIRING METHODS AND MATERIALS

Article 300—General Requirements for Wiring Methods and Materials

Part I. General Requirements

300.1 Scope

300.3 Conductors

300.6 Protection Against Corrosion

300.10 Electrical Continuity

300.12 Mechanical Continuity

300.20 Reducing Inductive Heating

Estimated Time Spent:

30 minutes

Format:

Text, Video &
Questions

Article 314—Boxes, Conduit Bodies, and Handhole Enclosures

Part I. General

314.1 Scope

314.3 Nonmetallic Boxes

314.4 Metal Boxes

314.30 Handhole Enclosures

Estimated Time Spent:

10 minutes

Format:

Text, Video &
Questions

Article 320—Armored Cable (Type AC)

320.1 Scope

320.108 Equipment Grounding Conductor

Article 330—Metal-Clad Cable (Type MC)

330.1 Scope

330.108 Equipment Grounding Conductor

Article 334—Nonmetallic-Sheathed Cable (Type NM)

334.1 Scope

334.108 Equipment Grounding Conductor

Article 340—Underground Feeder and Branch-Circuit Cable (Type UF)

340.1 Scope

340.108 Equipment Grounding Conductor

Article 342—Intermediate Metal Conduit (IMC)

342.1 Scope

342.60 Equipment Grounding Conductor

Article 344—Rigid Metal Conduit (RMC)

344.1 Scope

344.60 Equipment Grounding Conductor

Article 348—Flexible Metal Conduit (FMC)

348.1 Scope

348.60 Equipment Grounding and Bonding Conductors

Article 350—Liquidtight Flexible Metal Conduit (LFMC)

Estimated Time Spent:

40 minutes

Format:

Text, Video &
Questions

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Course Outline	Module Details
<p>350.1 Scope</p> <p>350.60 Equipment Grounding and Bonding Conductors</p> <p>Article 352—Rigid Polyvinyl Chloride Conduit (PVC)</p> <p>352.1 Scope</p> <p>352.60 Equipment Grounding Conductor</p> <p>Article 356—Liquidtight Flexible Nonmetallic Conduit (LFNC)</p> <p>356.1 Scope</p> <p>356.60 Equipment Grounding Conductor</p>	
<p>Article 358—Electrical Metallic Tubing (EMT)</p> <p>358.1 Scope</p> <p>358.60 Equipment Grounding Conductor</p> <p>Article 362—Electrical Nonmetallic Tubing (ENT)</p> <p>362.1 Scope</p> <p>362.60 Equipment Grounding Conductor</p> <p>Article 376—Metal Wireways</p> <p>376.1 Scope</p> <p>376.60 Equipment Grounding Conductor</p> <p>Article 386—Surface Metal Raceways</p> <p>386.1 Scope</p> <p>386.60 Equipment Grounding Conductor</p> <p>Article 392—Cable Trays</p> <p>392.1 Scope</p> <p>392.60 Equipment Grounding Conductor</p>	<p>Estimated Time Spent: 20 minutes</p> <p>Format: Text, Video & Questions</p>
<p>Chapter 4—EQUIPMENT FOR GENERAL USE</p> <p>Article 404—Switches</p> <p>404.1 Scope</p> <p>404.9 General-Use Snap Switches, Dimmers, and Control Switches</p> <p>404.12 Bonding of Enclosures</p> <p>Article 406—Receptacles, Attachment Plugs, and Flanged Inlets</p> <p>406.1 Scope</p> <p>406.3 Receptacle Rating and Type</p> <p>406.4 General Installation Requirements</p> <p>406.11 Connecting Receptacle Grounding Terminal to EGC</p> <p>Article 408—Switchboards and Panelboards</p> <p>408.1 Scope</p> <p>408.40 Equipment Grounding Conductor</p> <p>Article 410—Luminaires</p> <p>410.1 Scope</p> <p>410.30 Supports</p>	<p>Estimated Time Spent: 40 minutes</p> <p>Format: Text, Video & Questions</p>

Contact Us:

Course Outline	Module Details
<p>410.44 Connection to the Equipment Grounding Conductor 410.182 Equipment Grounding Conductor</p> <p>Article 440—Air-Conditioning Equipment 440.1 Scope 440.9 Equipment Grounding Conductor</p> <p>Article 450—Transformers 450.1 Scope 450.10 Grounding and Bonding</p>	
<p>Chapter 6—SPECIAL EQUIPMENT</p> <p>Article 600—Electric Signs 600.1 Scope 600.7 Grounding and Bonding</p> <p>Article 680—Swimming Pools, Spas, Hot Tubs, Fountains, and Similar Installations</p> <p>Part I. General Requirements for Pools, Spas, Hot Tubs, and Fountains 680.1 Scope 680.7 Grounding and Bonding</p> <p>Part II. Permanently Installed Pools 680.23 Underwater Pool Luminaires 680.24 Junction Box, Transformer, or GFCI Enclosure 680.26 Equipotential Bonding</p> <p>Part IV. Hot Tubs 680.40 General 680.42 Outdoor Installations</p> <p>Part V. Fountains 680.50 General 680.54 Connection to an Equipment Grounding Conductor 680.55 Methods of Equipment Grounding 680.56 Cord-and-Plug-Connected Equipment</p> <p>Part VII. Hydromassage Bathtubs 680.70 General 680.74 Equipotential Bonding</p>	<p>Estimated Time Spent: 60 minutes</p> <p>Format: Text, Video & Questions</p>

Important Disclaimer

The estimated time spent is based on data collected from thousands of students completing our apprenticeship and CEU programs and additionally supported by educational organizations calculations for average for students reading technical material. Based on our data and research, we've determined students spend on average 2-6 minutes per page and question. Reference:

<https://catalog.shepherd.edu/mime/media/12/913/SU+Credit+Hour+Policy+Appendix+B.pdf>

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Charles (Mike) Michael Holt

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SUMMARY OF QUALIFICATIONS

Mike has taught over 1,000 classes on over 40 different electrical related subjects to over 20,000 students. He is committed to the electrical industry and is recognized as one of America's most knowledgeable electrical educators. He has worked his way up the trade from Apprentice Electrician, Journeyman Electrician, Master Electrician, Electrical Inspector, Electrical Contractor, Electrical Designer and developer of training programs for the electrical industry.

- More than 40 years' experience as a technical instructor. Skills include:

Curriculum Development	Individual and Large Group Training
Technical Expertise	Continuing Education
Publishing	Business Management & Growth

EXPERIENCE

President and CEO of Mike Holt Enterprises of Leesburg, Inc. 1975 - Present

Instructor

- Approved instructor in over 30 state electrical and construction boards in the U.S.
 - *Covering NEC® Changes, Electrical Theory, Grounding vs. Bonding, Solar Photovoltaic Systems, Limited Energy/Low Voltage, Understanding the NEC®, Train the Trainer, and Business Skills*
- Key Instructor for EC&M multiple annual seminars since 2000
- Created and taught an Electrical Train the Trainer program at the IEC National convention
- Taught an Electrical Train the Trainer workshop from 2000 - 2008
- Taught Exam Preparation at the local and state level since 1975.
- Instructed multiple seminars for the following Industry Organizations
 - NECA
 - GENERAC
 - IAEI
 - IBEW
 - ICBO
 - IBM
 - Boeing
 - Motorola
 - AT&T

Author

- Developed and authored multiple editions of the following titles that are sold to individuals and to electrical apprenticeship programs nationally.
 - *Understanding the National Electrical Code Volume 1 & 2*
 - *Basic Electrical Theory*
 - *Electrical Exam Preparation*
 - *Changes to the NEC®*
 - *Essential Rules of the NEC®*
 - *Power Quality*
 - *Limited Energy & Communication Systems*
 - *NEC Requirements for Grounding vs. Bonding*
 - *NEC Requirements for Solar Photovoltaic Skills*
 - *Business Management Skills*
 - *Electrical Estimating*
- *Created Homestudy Training Programs for Exam Preparation, Code Training, Theory, and more.*
- Current Code Writer for Electrical Construction & Maintenance Magazine, *EC&M*
- Wrote articles for top industry magazines and organizations
 - *Electrical Design and Installation Magazine, EDI*
 - *Solar Pro Magazine*
 - *IEC Magazine*
 - *Electrical Contractor*
 - *CEE News*
 - *Electrical Contractor, EC*
 - *International Association of Electrical Inspectors, IAEI*
 - *The Electrical Distributor, TED*
 - *Power Quality Magazine, PQ*
 - *Electrical Construction & Maintenance Magazine, EC&M*
- *Designed Electrical Estimating Software that was sold nationally*

Independent author for Leviton – 2000 – 2008

- Code Training book

Independent author for Delmar Publishers – 1999 – 2002

- *Understanding the National Electrical Code*
- *Basic Electrical Theory*
- *Electrical Estimating*

President and Founder of Electrical Contracting firm – Mike & Co., 1974 - 1980

- *Residential and Commercial Work*

Educational Background

- Studied Business Administration, M.B.A., University of Miami

State Licenses

- Electrical Contractor, State of North Carolina, L.25602 1999 - Present
- Electrical Administrator, State of Washington, HOLT*M*870RS 2013 - Present

CERTIFICATE OF COMPLETION

Mike Holt Enterprises hereby certifies that

Sample Student

Student State License Number

has successfully completed the

Title of Course

January 1, 2024



MikeHolt.com | 888.632.2633

A handwritten signature in black ink that reads "Mike Holt". The signature is written over a horizontal line.

Charles "Mike" Holt, Sr.
Certified Instructor

Final Score:
Course Hours:
Certificate No:
Course Approval No.
State Provider No.