Mike Holt Enterprises
MikeHolt.com • 888.NEC.CODE (632.2633)

2023 NEC Changes to Art. 90, Ch 1- 4 (General Requirements for Wiring & Equipment)

Provider Information

Provider	Instructor	Email
Mike Holt Enterprises	Mike Holt	ceuonline@mikeholt.com

General Information

Course Length

12 Hours

Course Description

This course is based on the content from *Mike Holt's Illustrated Changes to the NEC 2023* textbook and video program. It provides students with the changes impacting Chapters 1 through 4 of the NEC.

Expectations and Goals

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.

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 Materials

Required Materials

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.

Students are not required to purchase any additional training materials, such as textbooks.

Contact Us:

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

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.

Video

Optional course videos are provided throughout the program to help a student review the topic in depth if needed. The videos correspond with the course outline. Our videos showcase a dynamic classroom type training with Mike and his panel of experts dissecting the changes, their impact, and how they will translate and apply in the field. These videos allow for our instructors to clarify the meaning of the change and to provide an in-depth analysis of the background information.

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

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.

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.

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Course Topics

Topics	Module Details
Article 90—Introduction to the National Electrical Code 90.1 Scope 90.2 Use and Application 90.4 Enforcement 90.5 Mandatory Rules, Permissive Rules, and Explanatory Material, (C) Explanatory Material	Estimated Time Spent: 140 minutes Format: Text & Questions
Article 225—Outside Branch Circuits and Feeders 225.1 Scope 225.27 Raceway Seal 225.41 Emergency Disconnects 225.42 Surge Protection	Estimated Time Spent: 60 minutes Format: Text & Questions
Article 310—Conductors for General Wiring 310.10 Uses Permitted	Estimated Time Spent: 20 minutes Format: Text & Questions
Article 352—Rigid Polyvinyl Chloride Conduit (PVC) 352.10 Uses Permitted 352.44 Expansion Fittings	Estimated Time Spent: 40 minutes Format: Text & Questions
Article 358—Electrical Metallic Tubing (EMT) 358.10 Uses Permitted	Estimated Time Spent: 20 minutes Format: Text
Article 408—Switchboards, Switchgear, and Panelboards 408.4 Circuit Directory and Descriptions of Circuit Source 408.9 Replacement Panelboards 408.43 Panelboard Orientation	Estimated Time Spent: 60 minutes Format: Text & Questions
Article 410—Luminaires, Lampholders, and Lamps 410.10 Luminaires in Specific Locations 410.42 Luminaire(s) with Exposed Conductive Surfaces 410.71 Disconnecting Means for Fluorescent or LED Luminaires that Utilize Double-Ended Lamps 410.184 Ground-Fault Circuit-Interrupter (GFCI) Protection and Special Purpose Ground-Fault Circuit-Interrupter (SPGFCI) Protection	Estimated Time Spent: 100 minutes Format: Text & Questions
Article 422—Appliances 422.5 GFCI Protection	Estimated Time Spent: 100 minutes

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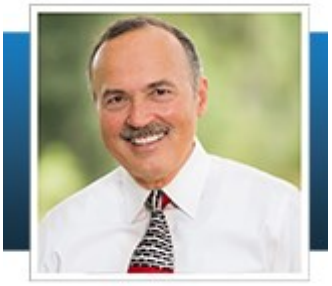
Topics	Module Details
422.13 Storage-Type Water Heaters 422.16 Flexible Cords 422.18 Ceiling-Suspended (Paddle) Fans 422.33 Disconnection of Cord-and-Plug-Connected or Attachment Fitting-Connected Appliances	Format: Text & Questions
Article 440—Air-Conditioning and Refrigerating Equipment 440.8 Single Machine and Location 440.11 General 440.14 Location 440.22 Application and Selection	Estimated Time Spent: 60 minutes Format: Text & Questions

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



Mike Holt Biography

Educator

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 and dynamic Electrical Educators. He has touched the lives of many thousands with his dynamic and animated teaching style, which is relaxed, direct and fun. Perhaps Mike's best quality is his ability to motivate his students to become successful. Mike draws on his experience to help him develop training programs that the electrician understands and enjoys. His extensive use of illustration in all of his training programs makes learning fun. His ability to take the intimidation out of learning is reflected in the success rate of his students. His development of educational products that are interesting as well as technically correct has brought his name to become synonymous with quality education. His dedication to electrical training is the result of his own struggles as an electrician looking for a program that would help him succeed in this challenging industry.

Author

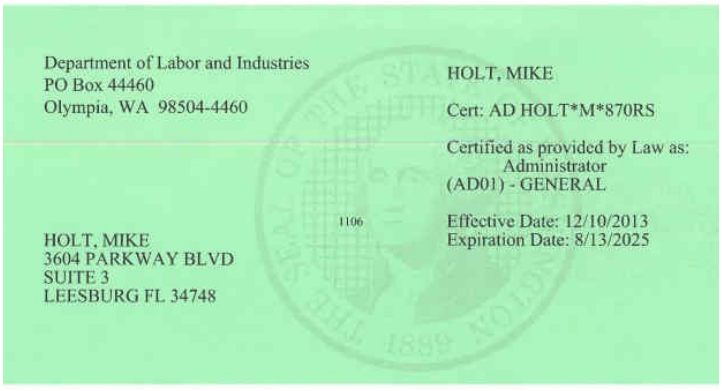
Mike Holt is a well-respected author and developer of software, books and video training programs. He has developed nearly 50 different electrical home-study training and business management programs which have been in use since 1978 by electrical apprenticeship training programs, contractors, inspectors, electricians, engineers and plant personnel. Mike 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. He was formerly a contributing Editor to Electrical Construction and Maintenance Magazine (EC&M) and Construction Editor to Electrical Design and Installation Magazine (EDI). His articles have been seen in CEE News, Electrical Contractor (EC) International Association of Electrical Inspectors (IAEI News), The Electrical Distributor (TED) and Power Quality Magazine (PQ).

Industry Expert

Mike has devoted his career to studying and understanding the National Electrical Code. His research and background has not only made Mike an expert, but it has earned him the respect of his peers. Mike teaches seminars throughout the United States and abroad, for individuals, organizations such as NECA, IAEI, IBEW and ICBO, and Fortune 500 companies such as IBM, Boeing, Motorola, and AT&T. He has been an active member of the International Association of Electrical Inspectors, National Board of Electrical Examiners, National Fire Protection Association, National Association of Licensing Boards, Florida Association of Electrical Contractors, and the Electrical Council of Florida. Mike Attended the University of Miami's Masters in Business Administration, MBA program.

Mike's courses are approved in over 32 states for online and home-study courses, and approved for live classes in over 18 states

Current Licenses


Department of Labor and Industries
PO Box 44460
Olympia, WA 98504-4460

HOLT, MIKE

Cert: AD HOLT*M*870RS

Certified as provided by Law as:
Administrator
(AD01) - GENERAL

1106

Effective Date: 12/10/2013
Expiration Date: 8/13/2025

HOLT, MIKE
3604 PARKWAY BLVD
SUITE 3
LEESBURG FL 34748

Washington Holt*M*870RS Exp:8/13/2025


LICENSE NUMBER
L.25602

STATE OF NORTH CAROLINA
BOARD OF EXAMINERS OF ELECTRICAL CONTRACTORS

EXPIRATION DATE
03/21/2023

THIS IS TO CERTIFY THAT:

Mike Holt

Charles Michael Holt

is duly registered and entitled to practice Electrical Contracting in the
Limited Classification License
Limitation: No one project to exceed $60,000.00 and 600 volts maximum

Witness our hands and seal of the Board

Mike Holt
Suite 3
3604 Parkway Blvd
Leesburg, FL 34748

Chairman

Secretary - Treasurer

North Carolina L.25602 Exp: 03/21/2023

CERTIFICATE OF COMPLETION

Mike Holt Enterprises hereby certifies that

Sample Student

Student State License Number

has successfully completed the

Title of Course

January 1, 2022

MIKE HOLT ENTERPRISES

MikeHolt.com | 888.632.2633

Charles "Mike" Holt, Sr.
Certified Instructor

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