

Course Name: 2023 Code Change II

Course Description: Code Changes to the 2023 NEC

This comprehensive course provides an in-depth examination of the recent updates to the National Electrical Code (NEC), focusing on 50 key revisions and additions. Participants will gain a thorough understanding of the revised regulations and their practical implications in various electrical installations. Through engaging lessons, the participants will develop the knowledge and skills necessary to navigate the updated NEC effectively.

Course Objectives:

By the end of this course, participants will be able to:

1. 90.1 - Scope: The scope of the National Electrical Code, its purpose, and its organization.
2. 90.2 - Use and Application: Understanding the appropriate use and application of the NEC code.
3. 100 - Bonding Jumper, Main: Knowledge of the main bonding jumper and its significance.
4. 100 - Counter: Understanding the application and requirements for countertop installations.
5. 100 - Energized, Likely to Become: Identifying electrical components that are likely to become energized.
6. 100 - Premises Wiring (System): Knowledge of premises wiring systems and their regulations.
7. 100 - Service-Entrance Conductors: Understanding the requirements for service-entrance conductors.
8. 100 - Stand-Alone System: Comprehending the concept and application of stand-alone systems.
9. 110.8 - Wiring Methods: Understanding the proper wiring methods according to NEC guidelines.
10. 110.16(B) - Service Equipment and Feeder Supplied Equipment: Knowledge of regulations for service equipment and feeder supplied equipment.
11. 110.21(A)(2) - Markings - Reconditioned Equipment: Comprehending the marking requirements for reconditioned equipment.
12. 110.22(A) - Identification of Disconnecting Means (General): Understanding the importance of identifying disconnecting means.
13. 210.2 - Reconditioned Equipment: Knowledge of the regulations and considerations for reconditioned equipment in electrical installations.
14. 210.8(A)Ex.No.4 - Dwelling Unit Bathroom, Ex. No. 4 Exhaust Fan Receptacles: Understanding the requirements for receptacles in dwelling unit bathrooms and exhaust fan receptacles.

15. 210.8(D) - Specific Appliances: Comprehending the specific regulations for appliances in electrical installations.
16. 210.12(C) - Arc-Fault Circuit Interrupter Protection (Dormitory Units): Understanding the requirements for arc-fault circuit interrupter protection in dormitory units.
17. 210.23(A) - 10-Ampere Branch Circuits: Comprehending the regulations for 10-ampere branch circuits.
18. 215.15 - Barriers (Feeders): Knowledge of barrier requirements in feeders.
19. 220.5(C) - Floor Areas: Understanding the regulations for floor areas in electrical installations.
20. 220.60 - Non-coincidental Loads: Comprehending the considerations for non-coincidental loads.
21. 225.41 - Emergency Disconnects: Knowledge of the requirements for emergency disconnects.
22. 225.42 - Surge Protection: Understanding the regulations and considerations for surge protection.
23. 230.67(A) - Surge-Protective Devices: Comprehending the requirements for surge-protective devices.
24. Article 235 - Branch Circuits, Feeders, and Services over 1000 V AC, 1500 V DC, Nominal: Understanding the regulations for higher voltage systems.
25. 240.16 - Interrupting Ratings: Knowledge of interrupting ratings for overcurrent protective devices.
26. 240.24(E) - Not Located in Bathrooms: Understanding the regulations for overcurrent protective devices not located in bathrooms.
27. 250.130 - Equipment Grounding Conductor Connections: Comprehending the requirements for equipment grounding conductor connections.
28. 300.11(C) - Raceways Used as a Means of Support: Understanding the use of raceways as a support mechanism.
29. 300.12 - Mechanical Continuity: Comprehending the requirements for mechanical continuity in electrical installations.
30. 300.14 - Length of Free Conductors at Outlets, Junctions, and Switch Points: Knowledge of the regulations for the length of free conductors at various points.
31. 314.25 - Covers and Canopies: Understanding the requirements for covers and canopies in electrical installations.
32. 314.25(A) - Nonmetallic or Metal Covers and Plates: Comprehending the regulations for nonmetallic or metal covers and plates.
33. 320.23(A) - Cables Run Across the Top of Framing Members: Knowledge of the regulations for cable installations across framing members.
34. 334.19 - Cable Entries: Understanding the requirements for cable entries in electrical installations.
35. 344.28 - Reaming and Threading: Comprehending the regulations for reaming and threading in electrical installations.
36. Article 371 - Flexible Bus Systems: Knowledge of the regulations and considerations for flexible bus systems.

37. 404.16 - Reconditioned Equipment: Understanding the requirements and considerations for reconditioned equipment.
38. 406.3(C) - Receptacle Rating and Type - Receptacles: Comprehending the regulations for receptacle ratings and types.
39. 404.1 - Scope: Understanding the scope and coverage of electrical systems as per NEC guidelines.
40. 410.184 - Ground-Fault Circuit-Interrupter (GFCI) Protection and Special Purpose Ground-Fault Circuit-Interrupter (SPGFCI) Protection: Knowledge of the requirements for GFCI and SPGFCI protection.
41. 430.2 - Recondition Motors: Comprehending the regulations and considerations for reconditioned motors.
42. 450.1 - Scope: Understanding the scope and coverage of electrical systems as per NEC guidelines.
43. 512 - Article 512 Cannabis Oil Equipment and Cannabis Oil Systems Using Flammable Material: Knowledge of regulations specific to cannabis oil equipment and systems.
44. 547.26 - Physical Protection (Agricultural Buildings): Comprehending the requirements for physical protection in agricultural buildings.
45. 550.32(A) - Service Equipment (Mobile Homes): Understanding the regulations for service equipment in mobile homes.
46. 555.35(D) - Leakage Current Measurement Device: Knowledge of the regulations for leakage current measurement devices.
47. 600.5(A) - Time Clocks in Similar Devices: Comprehending the regulations for time clocks and similar devices.
48. 630.8 - GFCI Protection for Personnel (Electric Welders): Understanding the requirements for GFCI protection in electric welder installations.
49. 680.21(D) - Pool Pump Motor Replacement: Comprehending the regulations for pool pump motor replacements.
50. 700.3(F) - Temporary Source of Power List Item (Four): Knowledge of the regulations and considerations for temporary power sources.
51. 700.8 - Surge Protection: Understanding the requirements for surge protection in electrical installations.