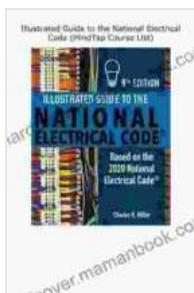


# Illustrated Guide to the National Electrical Code: MindTap Course List

The National Electrical Code (NEC) is an essential resource for electrical contractors, inspectors, and anyone who works with electricity. It provides a comprehensive set of safety regulations for the design, installation, and maintenance of electrical systems.



## Illustrated Guide to the National Electrical Code (MindTap Course List) by Charles R. Miller

★★★★☆ 4.6 out of 5

Language : English

File size : 126599 KB

Screen Reader : Supported

Print length : 512 pages



If you're new to the NEC, or if you just need a refresher, this illustrated guide will help you understand the basics. We'll cover everything from the structure of the NEC to the most important safety rules.

## Structure of the NEC

The NEC is divided into nine chapters, each of which covers a different aspect of electrical safety.

- **Chapter 1: General** This chapter provides an overview of the NEC and its scope, and it defines the terms used throughout the code.

- **Chapter 2: Wiring and Protection** This chapter covers the requirements for electrical wiring and protection devices, such as circuit breakers and fuses.
- **Chapter 3: Equipment for General Use** This chapter covers the requirements for electrical equipment that is used in general applications, such as lighting fixtures and switches.
- **Chapter 4: Equipment for Specific Locations** This chapter covers the requirements for electrical equipment that is used in specific locations, such as hazardous areas and wet locations.
- **Chapter 5: Special Occupancies** This chapter covers the requirements for electrical installations in special occupancies, such as hospitals, schools, and theaters.
- **Chapter 6: Special Equipment** This chapter covers the requirements for electrical equipment that is used for special purposes, such as elevators and cranes.
- **Chapter 7: Special Conditions** This chapter covers the requirements for electrical installations in special conditions, such as underground installations and temporary installations.
- **Chapter 8: Tables** This chapter provides a comprehensive set of tables that provide additional information on the requirements of the NEC.
- **Chapter 9: Annexes** This chapter provides additional information on the NEC, such as historical information and references to other codes and standards.

## **Most Important Safety Rules**

The NEC is full of important safety rules, but here are a few of the most important ones:

- **Always turn off the power before working on electrical equipment.**
- **Use the proper tools and materials for the job.**
- **Follow the instructions in the NEC and other applicable codes and standards.**
- **Inspect electrical equipment regularly and have it repaired or replaced as needed.**
- **Never overload electrical circuits.**

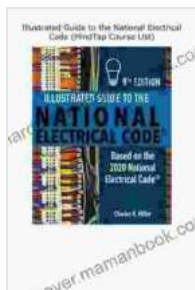
## **MindTap Course List**

If you're looking for a comprehensive online course that covers the NEC, MindTap has a great option for you. The MindTap National Electrical Code (NEC) course provides a step-by-step guide to the NEC, with interactive exercises and quizzes to help you learn the material. The course also includes access to the full text of the NEC, so you can always have the latest information at your fingertips.

Here is a list of all the MindTap courses that cover the NEC:

- National Electrical Code (NEC) 2023
- National Electrical Code (NEC) 2020
- National Electrical Code (NEC) 2017
- National Electrical Code (NEC) 2014

The NEC is an essential resource for anyone who works with electricity. This illustrated guide has provided a brief overview of the NEC, and we've also listed a number of MindTap courses that can help you learn more about the code.



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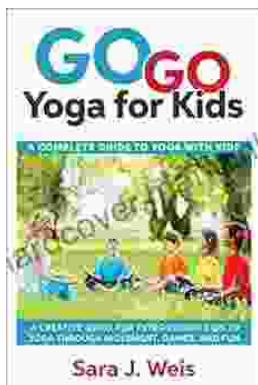
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