# COURSE TITLE

2023 NEC Changes: General Use Equipment

# COURSE DURATION

1 Hour

# OVERVIEW

Are you up to code? This interactive online course covers updates made to general use equipment in the 2023 National Electrical Code®. In this course, we’ll discuss revisions made to Articles 410, 422, 426, 430, 440, 445, 450, and 480. Notable changes include the addition of a new part to Article 410 addressing germicidal irradiation luminaires and new restrictions added to Article 440. Article 445 clarifies the requirements for the generator’s disconnecting means and reviews the signage requirements for the generator’s emergency shutdown device, and “transformer” is now defined and enforced through Article 450.

# PREREQUISITES

No prior knowledge is required.

# BEHAVIORAL OBJECTIVES

After successfully completing this course, you will be able to:

* Discuss the requirements for the disconnection of LED drivers in 410.71
* Explain what the new Part XVII of Article 410 covers
* Recall the requirements for flexible cords in 422.16
* List the requirements in 422.18 for ceiling fans
* Recall the requirements for GFPE in 426.28 for snow melting and deicing equipment
* Discuss the reconditioning of motors in 430.2
* Describe the clearance requirements of 440.8
* List the requirements for the protection of live parts in 440.11
* Explain the clearance requirements of 440.14
* List the requirements in 445.18 for generator disconnects
* Discuss the prime mover shutdown requirements in 445.19
* Explain the revised definition and Article scope for transformers in Article 100 and Article 450 and
* Describe the revised scope of Article 480

# COURSE OUTLINE

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| **Chapter** | **Minutes** |
| Introduction | 1 |
| Article 410 Luminaires, Lampholders, and Lamps | 12 |
| Article 422 Appliances | 8 |
| Article 426 Fixed Outdoor Deicing and Snow-Melting Equipment | 3 |
| Article 430 Motors, Motor Circuits, and Motor Controllers | 2 |
| Article 440 Air-Conditioning and Refrigeration Equipment | 9 |
| Article 445 Generators | 11 |
| Article 450 Transformers | 4 |
| Article 480 Stationary Standby Batteries | 2 |
| Conclusion | 1 |
| **Course Total** | **53** |
| **+ Study Exercises (TS)/Checkpoints (RV) (10% Course Total)** | **5.3** |
| **+ Supporting Documents (word count/145)** |  |
| **= Grand Total** | **58.3** |

# AVAILABILITY

This course is offered online and is available 24 hours a day, 7 days a week, 365 days a year.

# TRAINING METHODOLOGY & EVALUATION

This course is self-paced online training. Review exercises reinforce the content, and students are evaluated with a multiple-choice exam. Upon completion, students are prompted to submit a course evaluation.

**REFERENCES**

National Electrical Code, 2023 Edition, Article 410, 422, 426, 430, 440, 445, 450, and 480.