

Electrician U 3/7/2022

Objectives

The licensee will learn how the changes that were made from the 2017 National Electrical Code to the 2020 National Electrical Code effect Chapter One through Chapter Three as well as learning about select sections of 70E Safety. With this thorough understanding of the licensees will be able to adjust their work processes to follow the new code as well as keep themselves safe on the jobsite.

Agenda/Outline

2020 and 70E Code Package 1 EUUT303

Course Time: 8 credit hours

- I. **IMPORTANT NEW AND CHANGED DEFINITIONS (6 minutes)**
 - a. Equipotential Plane
 - b. Fault Current
 - c. Free Air
 - d. Grounded Conductor
 - e. Habitable Room
 - f. Island Mode
 - g. Reconditioned

- II. **CHAPTER 1 – GENERAL (50 minutes)**
 - a. 110.3
 - b. 110.12
 - c. 110.14
 - d. 110.22
 - e. 110.26

- III. **CHAPTER 2 – WIRING AND PROTECTION (130 minutes)**
 - a. 200.3
 - b. 210.8
 - c. 210.12
 - d. 210.15
 - e. 210.52
 - f. 215
 - g. 220.12
 - h. 220.14
 - i. 220.53
 - j. 225.30
 - k. 230.46
 - l. 230.62
 - m. 230.67

n. 230.71
o. 230.85
p. 240.6
q. 240.87
r. 240.88
s. 242
t. 242.1
u. 242.3
v. 242.6
w. 242.8
x. 242.10
y. 242.12
z. 242.14
aa. 242.16
bb. 242.18
cc. 242.20
dd. 242.22
ee. 242.24
ff. 242.26
gg. 242.28
hh. 242.3
ii. 242.32
jj. 242.40
kk. 242.42
ll. 242.44
mm. 242.46
nn. 242.48
oo. 242.50
pp. 242.54
qq. 242.56
rr. 250.25
ss. 25-.64
tt. 250.68
uu. 250.104
vv. 250.109
ww. 250.121
xx. 250.118
yy. 250.122
zz. 250.148
aaa. 250.184
bbb. 250.187
ccc.

IV. **CHAPTER 3 – WIRING METHODS (106 minutes)**

a. 300.4

- b. 300.7
- c. 300.15
- d. 300.22
- e. 300.25
- f. 300.45
- g. 310
- h. 310.12
- i. 311
- j. 311.1
- k. 311.2
- l. 311.6
- m. 311.10

V. **70E Electrical Safety (65 minutes)**

- a. Introduction
- b. Definitions

VI. **70E Electrical Safety (140 minutes)**

- a. 105
- b. 110.3
- c. 110.4
- d. 110.5
- e. 110.5
- f. 110.6
- g. 110.8
- h. 110.9
- i. 110.10
- j. 110.11
- k. 110.12
- l. 120-120.2
- m. 120.3
- n. 120.4
- o. 120.5
- p. 130-130.2
- q. 130.4
- r. 130.5
- s. 130.7
- t. 130.8