COURSE TITLE: National Electric Code II  COURSE NUMBER: ELEC 1215

COURSE DESCRIPTION:
This course covers NEC requirements for cabling, conduit, raceways, wireways, boxes gutters, switches and panelboards. Also included are the requirements for equipment such as cords, cables, fixtures and fixture wire, appliances, fixed space heating, motors and motor circuits, refrigeration equipment and transformers.

(prerequisites: ELEC 1205)

2 Credits (1 lect/pres, 1 lab, 0 other)

COURSE GOALS:
The following list of course goals will be addressed in the course. These goals are directly related to the performance objectives. (*designates a CRUCIAL goal)

1. determine switchboard and/or panelboard requirements
2. determine general use equipment requirements
3. determine flexible cord/cable requirements
4. determine lighting fixture/wire requirements
5. determine appliance requirements
6. determine electric heating requirements
7. determine motor circuit requirements
8. determine motor controllers requirements
9. determine air conditioning circuit requirements
10. determine air conditioning equipment requirements
11. determine generator requirements
12. determine transformer requirements
13. determine capacitor and/or resistor and/or reactor requirements
14. determine special occupancies requirements
15. determine hazardous location requirements
16. determine health care facilities requirements
17. determine places of assembly’s requirements
18. determine motion picture and/or television studios requirements
19. determine manufactured/ag buildings requirements
20. determine mobile home/parks requirements
21. determine recreational vehicle and parks requirements
22. determine marinas boatyards requirements
23. determine special equipment requirements
24. determine electric sign requirements
25. determine elevator dumbwaiter requirements
26. determine electric welder requirements
27. determine swimming pool and fountain requirements
28. determine special conditions requirements
29. determine emergency systems requirements
30. determine legally required standby systems requirements
31. determine circuits less than 50 volts requirements
32. determine remote control signal circuits requirements
33. determine fire protection signal system requirements
34. determine communication system requirements

ATTENDANCE:
Students will be required to attend a minimum of 95% to satisfactorily complete this course.

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are also encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

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