EEM 140
NATIONAL ELECTRICAL CODE

Course Description
This course is a study of the National Electrical Code and is based on the latest codes as published by the National Fire Protection Association. Prerequisite: Instructor approval. Lec. 3 Lab. 0 Cr. 3

Course Focus
This course will focus on National Electrical Codes as they relate to residential construction.

Text and References

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. identify Chapter 1 as the General chapter
2. determine that Article 90 contains introductory information
3. organized installation document
4. recognize Chapter 9 are tables and annexes
5. recognize Chapter 8 stands alone
6. recognize Chapters 5,6,7 are Special chapters
7. identify Article 90 as the Introductory chapter
8. identify Chapter 4 as the Use chapter
9. subdivide chapters by articles
10. identify Chapter 2 as the Plan chapter
11. subdivide articles by parts
12. understand the method of articles within the chapters
13. recognize ten major subdivisions
14. recognize that the NEC is a ANSI consensus
15. recognize the importance of being extremely familiar with the NEC table of contents
16. organize NEC outline is in section 90.3
17. identify technical committee
18. identify code making panels
19. explain proposal and comment process
20. explain how you can take part in the NEC revision process
21. explain consensus standard
22. identify Chapter 3 as the Build chapter
23. make notes where appropriate
24. analyze tables and annexes in chapter 9
25. apply chapter 1 through 7 only if referenced in chapter 8
26. sketch simple wiring diagram
27. recall articles in chapter 2
28. know Chapter 4 is the 400 series
29. know Chapter 3 is the 300 series
30. know Chapter 2 is the 200 series
31. know Chapter 1 is the 100 series
32. outline of the NEC start with articles and parts
33. review Article 90 sections
34. prepare short presentation
35. underline key word and phrases of the NEC
36. Highlight articles and parts
37. mark up your code book
38. implement codeology fundamentals
39. identify four basic building blocks
40. identify clues and key terms
41. locate single article terms
42. define terms in article 100
43. subdivide section into three levels
44. subdivide the NEC by chapters
45. describe the general type of information and requirements contain in chapter 1

Student Contributions
The student is expected to be prepared for class and to be in class on time. Cell phones are not allowed to be used in the classroom. This includes texting. All electronic devices including cell phones, pagers, computers, Ipods, Ipads must be turned off during class.

Course Evaluation
The grading scale is as follows:
90 - 100 = A
80 - 89 = B
70 - 79 = C
60 - 69 = D
Below 60 = F

Course Schedule/Outline
The class meets for 1 lecture/presentation hours per week for a total of 16 weeks during fall and spring semesters.

Approved by: Kenneth L. Flick
Ken Flick, Division Dean for Business and Industrial Divisions  Developed/Revised: January 5, 2012
ADA STATEMENT
The Technical College of the Lowcountry provides access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation, contact the counselor for students with disabilities at (843) 525-8228 during the first ten business days of the academic term.

ACADEMIC MISCONDUCT
There is no tolerance at TCL for academic dishonesty and misconduct. The College expects all students to conduct themselves with dignity and to maintain high standards of responsible citizenship.

It is the student’s responsibility to address any questions regarding what might constitute academic misconduct to the course instructor for further clarification.

The College adheres to the Student Code for the South Carolina Technical College System. Copies of the Student Code and Grievance Procedure are provided in the TCL Student Handbook, the Division Office, and the Learning Resources Center.

ATTENDANCE
The College’s statement of policy indicates that students must attend ninety percent of total class hours or they will be in violation of the attendance policy.

- Students not physically attending class during the first ten calendar days from the start of the semester must be dropped from the class for NOT ATTENDING.
- Students taking an online/internet class must sign in and communicate with the instructor within the first ten calendar days from the start of the semester to indicate attendance in the class. Students not attending class during the first ten calendar days from the start of the semester must be dropped from the class for NOT ATTENDING.
- Reinstatement requires the signature of the division dean.

In the event it becomes necessary for a student to withdraw from the course OR if a student stops attending class, it is the student’s responsibility to initiate and complete the necessary paperwork. Withdrawing from class may have consequences associated with financial aid and time to completion.

When a student exceeds the allowed absences, the student is in violation of the attendance policy. The instructor MUST withdrawal the student with a grade of “W”, “WP”, or “WF” depending on the date the student exceeded the allowed absences and the student’s progress up to the last date of attendance or under extenuating circumstances and at the discretion of the faculty member teaching the class, allow the student to continue in the class and make-up the work. This exception must be documented at the time the allowed absences are exceeded.

Absences are counted from the first day of class. There are no "excused" absences. All absences are counted, regardless of the reason for the absence.

- A student must take the final exam or be excused from the final exam in order to earn a non-withdrawal grade.

A copy of TCL’s STATEMENT OF POLICY NUMBER: 3-1-307 CLASS ATTENDANCE (WITHDRAWAL) is on file in the Division Office and in the Learning Resources Center.
HAZARDOUS WEATHER
In case weather conditions are so severe that operation of the College may clearly pose a hardship on students and staff traveling to the College, notification of closing will be made through the following radio and television stations: WYKZ 98.7, WGCO 98.3, WGZO 103.1, WFXH 106.1, WWVV 106.9, WLOW 107.9, WGZR 104.9, WFXH 1130 AM, WLVH 101.1, WSOK 1230 AM, WAEV 97.3, WTOC TV, WTGS TV, WJWJ TV, and WSAV TV. Students, faculty and staff are highly encouraged to opt in to the Emergency Text Message Alert System. www.tcl.edu/textalert.asp

Emergency Text Message Alert
Students, faculty and staff are highly encouraged to opt in to the Emergency Text Message Alert System. Participants receive immediate notification of emergency events and weather cancelations via text messaging on their cell phones. Participants can also opt in to receive non-emergency news and announcements. Go to www.tcl.edu. On the homepage, click on “emergency TextAlert at TCL” and fill out the form or go to www.tcl.edu/textalert.asp

BROADCAST LEARNING FORMAT: This class is being taught in a broadcast learning format. Images and word of class participants may be transmitted live or on a delayed basis to other locations. Classes may be rebroadcast due to extenuating circumstance.