

Technical College of the Lowcountry
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BCT 221 Construction Building Codes

Course Description

This course is a study of local, state, and national building code requirements as they apply to residential and commercial construction. Prerequisite: RDG 100. Lec. 3 Lab. 0 Cr. 3

Course Focus

This course will focus on the learning the latest International Residential Code adopted by the SC Building Codes Council.

Text and References

2009 International Residential Code.

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 the building official
2. use 2009 IRC Building Code
3. cut structural floor members
4. drill structural floor members
5. require weather resistant fasteners
6. test soil conditions
7. issue certificate of occupancy
8. collect permit fees
9. define thermal building envelope
10. issue building permits
11. mark attic insulation thickness
12. identify the authority having jurisdiction
13. establish minimum requirements to safeguard public and health
14. recognize energy efficiency standards
15. adopted mandatory building codes

16. administer Building Code adoption
17. differentiate between the different codes
18. highlight relevant codes
19. recognize adoption of the latest Building Code
20. reflect the development of the Building Code
21. cite Chapters in the Building Code
22. inspect construction documents
23. study wind maps
24. install smoke alarms
25. install carbon monoxide detectors
26. recognize means of egress
27. slope garage floors
28. identify hazardous glazing location
29. provide sanitation facilities
30. define minimum room areas
31. consult structural engineers
32. notching structural wood members
33. study termite infestation probability maps
34. build to flood resistant construction
35. protect door openings
36. protect window openings
37. identify design criteria
38. analyze engineered drawings
39. distinguish different type of loads
40. address construction violations
41. issue stop work orders
42. comprehend construction definitions
43. seal building envelope
44. provide permanent energy efficiency certificate
45. study Seismic maps

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.

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** withdraw 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.

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 or spring semesters. Summer Classes meet for 10 weeks one day a week.

Developed/Revised: May 23, 2011