



Technical College of the Lowcountry  
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Beaufort, SC 29901

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## **ACR 224 CODES AND ORDINANCES**

### **Course Description**

This course covers instruction on how to reference the appropriate building codes and ordinances where they apply to installation of heating and air conditioning equipment.  
2 Cr (2 lect/pres, 0 lab, 0 other)

### **Course Focus**

The instructor will instruct the proper use and interpret the codes used in the HVAC/R industry.

### **Text and References**

International Mechanical Code 2012, International Code Council.

Publisher: Publications, Country Club, IL. 60478-5795

Published: 2012.

ISBN: 978-1-60983-050-2

International Fuel Gas Code 2012, International Code Council.

Publisher: Publications, Country Club, IL. 60478-5795

Published: 2012.

ISBN: 978-1-60983-048-9

Code of Federal Regulations, Title 29, Part 1926, 2003.

Publisher: PSI Examination Services

Published: 2003

ISBN: None

## **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. discuss chapter one
2. address obtaining permits
3. adhere to structure safety
4. define tight construction
5. explain prohibited locations
6. learn access/service space
7. quote condensate disposal
8. understand types of ventilation
9. build clothes dryer exhaust
10. describe duct systems
11. explain code official duties
12. review chapter two
13. understand combustion air
14. compare gas piping installations
15. compare piping materials
16. diagram shutoff valve location
17. classify venting categories
18. calculate piping support
19. write section 618
20. research reference standards
21. draw emergency escape routes
22. list eye protection
23. categorize accident prevention signs
24. classify fire extinguishers
25. apply welding safety
26. replace broken hand tools
27. demonstrate lock/tag out procedures
28. discuss fall protection
29. describe training requirements
30. practice ladder safety

## **Student Contributions**

The student is expected to be prepared for class and to be in class on time.

The student is required to observe and practice all safety rules.

The student will not be allowed in the lab with any type of open toe shoe. ( flip flops etc.)

No cell phones are allowed to be used in the classroom or lab. This includes texting.

No recording of classes is allowed.

**Course Evaluation**

There will be two open book exams in this course. Each exam is worth a maximum of 50 points each.

The maximum score for both exams is 100 points.

**Course Schedule**

The class meets for 2 lecture/presentation hours per week.

Approved by: *Kenneth Flick* Developed/Revised: 3/5/2013  
Ken Flick, Division Dean for Business/Industrial Technology

### **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, WLVA 101.1, WSOK 1230 AM, WAEV 97.3, WTOG 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](http://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 cancellations via text messaging on their cell phones. Participants can also opt in to receive non-emergency news and announcements. Go to [www.tcl.edu](http://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](http://www.tcl.edu/textalert.asp)