Course Description
This course is a study of the plumbing methods and practices used in residential application. 5.0

Course Focus
The instructor will give hand on instruction in the installation DWV and water distribution systems in residential construction.

Text and References
Residential Construction Academy Plumbing / 2E Edition by Michael A Joyce

Content 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. sweat copper pipes
2. install DWV Pipe
3. relate pipes and fittings to the plumbing code
4. use power tools safely
5. use hand tools safely
6. layout DWV segments
7. follow architectural blueprints
8. cut CSST pipe
9. define plumbing terms
10. identify water distribution pipes
11. install PEX pipe
12. cut copper pipes
13. measure copper pipes
14. cut plastic piping
15. measure plastic piping
16. identify types of fittings
17. describe common types of pipes
18. observe appropriate safety rules
19. wear appropriate PPE
20. identify appropriate tools
21. inspect plumbing joints for leaks
22. measure CSST pipe
23. layout toilet locations
24. know water heater safety
25. troubleshoot water heater
26. troubleshoot insufficient hot water
27. troubleshoot water heater elements
28. understand the basic principals of heating water
29. layout faucet positions
30. order correct faucets
31. recognize various faucet styles
32. weld pvc pipe together
33. layout sink locations
34. repair water closets
35. follow manufacturing instructions
36. understand fixture types
37. order fixture types
38. connect sewer lines
39. test water pressures
40. know boring rules
41. know notching rules
42. respect water quality issues
43. choose the correct valves
44. order fittings correctly
45. position tub and shower units

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 for texting, messaging, recording or taking phone calls.

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, WLWH 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 semesters.