**Instructor:** Norman Carlstrom                  **Class Days:** Mon. - Fri. 11-11:50 a.m.

**Phone:** 425-778-1399                      **Credits:** 5

**Email:** ncarlstrom@sccd.ctc.edu  

**Required Texts:**
  Author: Edward Allen/Iano; Wiley & Sons
- Wiring Simplified, 40th Edition  
  Author: H.P. Richter & W.C. Schwan; Park Publishing

**References:**
- The Principles of Building Construction  
  Author: Madan Mehta; Prentice Hall
- Mechanical & Electrical Equipment for Buildings, 5th Edition  
  Author: McGuinness & Stein; Wiley & Sons
- Plumbing Code
- Building Code
- Other sources may be recommended.

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**Course Description:**

This course will consist of lecture/discussion relating to the assigned readings. Tests will include all materials covered in class and the readings so attendance is essential to completion of the course. Topics to be covered include Foundation systems, soils, and retainage; Structural systems addressing gravity and lateral loads; Sound control; Electrical; Plumbing; and Heating systems.

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**Grading:**

Grades may range from 4.0 to 0.7 in 0.1 increments and 0.0. Grades will be computed as the total accumulated divided by the total possible times 4.0. Each sheet or form turned in must include the student’s name, the date, and class on it in order to be graded.

- **Quizzes**: 40 points total
- **Mid term**: 40 points
- **Reports**: 60 points total
- **Class participation**: 40 points
- **Final**: 80 points

Reports are due at the start of class on the date shown on the calendar. No late reports will be accepted and there will be no make up tests unless prior arrangements have been made.

The instructor reserves the right to award grade elevations to individuals who have provided regular, thoughtful, relevant, and substantive comments during class.

Quizzes may be given during any class period, with or without prior notice. Tests and reports will be per the attached calendar.

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**References:**
- Plumbing Code
- Building Code
- Other sources may be recommended.