

Three Rivers Community College

Civil Engineering Materials CIV K 101
B 107: T, 5:45 – 8:30
Fall 2010

Instructor; Donald W. Gerwick, P.E., L.S.

On campus Phone Number 860-885-2337
Off campus weekday Phone 860-442-2201

Email dgerwick@trcc.comnet.edu or don@gerwickmereen.com
Office Hours: T 4:00 – 5:30, W 3:00 – 4:45, R 4:00 – 5:00
Additional Days and Times by Appointment are Available

Text – **Basic Construction Materials**, 7th edition, Theodore W. Marotta

A variety of materials will be explored that are commonly used in civil engineering projects. Examples of each will be discussed related to real world projects, especially with regard as to how those materials have succeeded or failed. Four quizzes will cover Chapters 2 through 7. Two papers will be assigned during the semester on topics related to course material.

Chap. 1 – Introduction – All sections

Chap. 2 – Aggregates – All sections; in class exercises with soils related to size, texture, etc. with a sieve test being performed. (Portions of Chap. 7, Masonry, will be included)

Quiz 1 Chapters 1 & 2

Paper 1 – Subject and due date to be assigned

Chap. 3 – Asphalt – All sections

Quiz 2 Chapter 3

Chap. 4 – Portland Cement Concrete – All sections; students will develop and make a concrete mix, which will be later tested to failure

Chap. 5 – Iron and Steel – All sections

Quiz 3 Chapters 4 & 5

Paper 2 – Subject and due date to be assigned

Chap. 6 – Wood- All sections – in class exercise to determine density and species of various wood samples

Quiz 4 Chapter 6

Final Grade – The students final grade will be based on the weighted average of 4 quizzes and 2 papers taken during the semester which will account for 85% of your grade. Assigned homework and class participation will make up the remaining 10 and 5% respectively.

Home Work (HW) – Home work assigned on a Tuesday and will be due on the following Tuesday unless otherwise modified in class; Homework will be turned in at the beginning of class. Students must **SHOW ALL WORK FOR MATH RELATED PROBLEMS**. HW will be graded and returned by the following Monday. Home work will receive a grade of 0, 1, 2, 3, or 4

None turned in = 0

Minimal Attempt = 1

Moderate Attempt and Poor Results = 2

Moderate Attempt and Fair results = 3

Good Attempt and Largely Correct results = 4

Late home works, unless otherwise excused, will be marked at 25% off.

“Lab” Grades; As there is no formal lab associated with this course we will engage in a number of “mini” labs associated with various materials. Write ups for these mini labs will be part of your homework grade. Missed labs generally cannot be made up, and will receive a “0” grade, unless arrangements have been made with the instructor.

Quizzes – Students will allowed one side of one 8 1/2 x 11 sheet of paper for formulas and conversion factors only (no definitions or other written notes).

Students must have their **calculators, cell phones will not be allowed** as a substitute; failure to bring a calculator will result in lost points as many questions will be impossible to answer without one. Quizzes will be based on lecture material and all assigned sections of the text, and homework.

Quizzes will be assigned a value by the instructor; quiz grades will be the number of points earned on the quiz divided by the total value of the quiz. Points earned for each problem will be awarded in a similar manner as noted in the homework section.

Class Attendance is expected, although, while students will not be penalized for non-attendance (with the exception as noted above for labs) they will be responsible for material covered in their absence. It will be the students responsibility to determine what assignments that may have been missed.

Class Room Policies - Cell phones brought to class shall be off and out of site (no texting). Language and behavior that is disrespectful, or disruptive, to others is unacceptable; Students should refer to their Student Handbook for examples of such behavior as well additional school policies.

Academic Integrity – Unless indicated by specific assignments, by the instructor, for group projects, all work for assignments shall be that of the individual student. Cheating on quizzes or using the work of others without proper credit (plagiarism) for assignments, or other forms of academic dishonesty, as defined by the Student Handbook, is unacceptable. If, after evaluation of the potential infraction(s), consistent with the Student Handbook, a grade of “0” for the assignment may be assigned.

Disabilities – If you have a visible or hidden disability that may require classroom or test taking modifications you are encouraged to contact Student Services for assessment.