

Department of Civil and Environmental Engineering
CE201 Introduction to Civil Engineering
1 Hr Lecture, Fall 2018

Prerequisites: ENGR102 or Sophomore Standing

Instructor: Dr David Martinelli, 547 Engineering Sciences Building
304. 293-9936
Email: drmartinelli@mix.wvu.edu or if urgent: david.martinelli@mail.wvu.edu

Schedule: Friday 2:00-2:50 , ESB G102

Office Hours: Schedule through email or Leslie VanZant Room 625, 304.293-9953
leslie.vanzant@mail.wvu.edu

Course Objectives: The objectives of this course are to introduce students to the career paths and study of Civil Engineering and its sub-disciplines.

Expected Learning Outcomes:

Upon successful completion of this course students will:

- be aware of the various sub-disciplines and specializations in civil engineering.
- be aware of the various career paths of civil engineers from graduation to retirement
- have an understanding of some of the fundamental engineering and scientific concepts that apply to the field of civil engineering
- have some understanding of what plan of study they would likely pursue in the BSCE program

Outcomes relevant to accreditation:

- (g) Communicate effectively in oral, written, and electronic formats
- (j) Knowledge of contemporary issues relevant to civil engineering

Texts and Readings:

Handouts (paper or electronic) as necessary, provided by the instructor

Grading Policy:

The grading of this course has two components: attendance and a term paper:

Attendance

Attendance and promptness is mandatory and will account for 50% of your course grade. A sign-in sheet will be circulated at the beginning of each class, and the last person to sign will submit it to the instructor. One *un-excused* absence is permitted during the semester and *excused* absences must be approved in advance to the extent possible through email correspondence with the instructor. If you have two or more *excused* absences, then you are *not* permitted any *unexcused* absences. There is a 10% class grade reduction for the second unexcused absence, with three missed classes resulting in a mandatory withdraw from the course or failing grade.

Included in attendance is a requirement to post at least four 100+ word comments/threads to the eCampus class discussion board. At least two of these must be *before* October 1 and at least two *after* October 10. You are also expected to attend one meeting/event of either the ASCE or EWB student chapters. It will be up to you to find out when these are and attend. You can do this either before their presentation or after.

Term Paper

You are required to write a two-page, single-space, Times Roman 12-point font, term paper highlighting what you have gained from the seminar speakers and how you will apply it to your short and long-term professional goals. The term paper is 50% of your grade. More on the term paper will be provided when it is formally assigned in September. *The term paper is due Friday November 15 at noon submitted through email to drmartinelli@mix.wvu.edu and hardcopy to my mailbox in Room 629.*

Grading Scale:

- A 100-90
- B 89-80
- C 79-70
- D 69-60
- F < 60

Course Outline

The schedule below is tentative and subject to change.

Class	Topic
Aug 17	Dr. Martinelli
Aug 24	ASCE/EWB Student Chapters
Sep 7	Aaron Humberson and Andy Dye, Falcon Construction Management
Sep 14	Dr. John Quaranta, WVU Civil and Environmental Engineering
Sep 21	Open
Sep 28	Dr. Sam Easterling PE and John Muth PE
Oct 5	Eric Martz, P.E. KCI Engineering
Oct 12	Ryan Hess, The Mills Group, Chonchol Gupta, Entrepreneur
Oct 19	Donald Williams, PE, WVDOH
Oct 26	Ed Decosta, Catalyst Associates
Nov 2	Congressman David McKinley, PE
Nov 9	Dr. Keith Rinkus
Nov 30	Dr. Martinelli