

EVEN 1000 – INTRODCUTION TO ENVIRONMENTAL ENGINEERING
Fall 2014 (revised 9-7-14)

Instructor: R. Scott Summers, Professor of Environmental Engineering
Phone: 492-6644
e-mail: r.summers@colorado.edu
Office: ECES 108
Office hours: M 12-2 and W 11-12
Room / time: Fleming 154 / Thur 2:00-2:50, 1 credit hour
“TA”/ grader Anne Wrobetz Anne.Wrobetz@Colorado.EDU
PRE- / CO -REQUISITES: Enrollment as a first year EVEN student or first year transfer student

OBJECTIVES:

Overall, to provide a foundation for your success as an engineering student and as a professional engineer.

At the end of this course you should be able to:

1. describe what environmental engineering is and what you may do as an environmental engineer
2. describe the similarities and differences of the environmental engineering options
3. apply the professional codes of engineering ethics to evaluate situations that you may encounter in your career
4. define sustainability

BOOK: Handouts from several sources. All handouts will be posted

POLICIES: Attendance at all class sessions is critical to successfully achieving the objectives of this course. NO use of cell phones (including texting) or internet via laptops.

Assignments

Your course grade will be determined by 10 assignments; four writing assignments (WA) and six homework (HW) assignments. Assignments will be uploaded onto the D2L site, due at the beginning of class on the date shown. Making deadlines on time is critical when you are a professional engineer, so late assignments receive a **33% penalty for each day late**. If you have a time conflict that does not allow you to submit homework on time, see me in advance.

- WA1** [20 pts] – Hometown environmental issue
WA2 [30 pts] – Global environmental issue
WA3 [30 pts] – EVEN option and associated career field
WA4 [30 pts] – TBD
HW1 [10 pts] – Self Evaluation
HW2 [30 pts] – Time management
HW3 [30 pts] – Effective studying assessment
HW4 [30 pts] – Course plan
HW5 [100 pts] – Ethics
HW6 [100 pts] – Professional development - resume

TOTAL POINTS: 410

Your final grade will be based on your total point score as a percentage of the 430 points:

A >93%, A- 90-92%, B+ 87-90%, B 82-87%, B- 80-82%, C+ 77-80%, C 72-77%, C- 70-72%, D+ 67-70%, D 62-67%, D- 60-62%, F <60%.

Note: Written communication skills are vital to your success as an engineer. Therefore, proper grammar, spelling, formatting and style will be worth ~10% of the total assignment score. Cite all sources or references used and do not directly copy another source without giving proper quotation form and credit (avoid plagiarizing).

2014 Schedule

Wk	Date	Topic	Speaker	Assignment	Assignment Due Dates
1	8/28	Introduction – EVEN program curriculum	Summers		
2	9/4	Environmental Issues and Time management	Summers	HW1 and HW2	
3	9/11	Air Quality and Energy options	Milford	WA1- local	HW1 - hardcopy
4	9/18	Applied Ecology and Chem Processing options	McKnight and Mores-Young		
5	9/25	Water and Remediation options	Rosartio	WA2- global	HW2 and WA1
6	10/2	EDC option and Mentors	Worbetz	HW3 and WA3 - options	
7	10/9	Keys to success	Summers		WA2
8	10/16	In class advising	Summers plus	HW4	HW3
9	10/23	Keys to success	Summers	WA4 ?	WA3
10	10/30	Ethics	Summers		HW4
11	11/6	Ethics	Summers		WA4?
12	11/13	Ethics	Summers	HW5	
13	11/20	Sustainability	Summers		
14	12/4	Professional development	Summers plus	HW6	HW5
15	12/11	Professional development	Summers plus		HW6
16	Final	Final exam			

NOTES:

- 1) If you qualify for accommodations because of a disability, please submit to your professor a letter from Disability Services in a timely manner (for exam accommodations provide your letter at least one week prior to the exam) so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities. Contact Disability Services at 303-492-8671 or by e-mail at dsinfo@colorado.edu. If you have a temporary medical condition or injury, see Temporary Injuries under Quick Links at Disability Services website (<http://disabilityservices.colorado.edu/>) and discuss your needs with your professor.
- 2) Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts

with scheduled exams, assignments or required attendance. Notify me by the 2nd week of the semester with any conflicts. http://www.colorado.edu/policies/fac_relig.html

3) Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, color, culture, religion, creed, politics, veteran's status, sexual orientation, gender, gender identity and gender expression, age, disability, and nationalities. Class rosters are provided to the instructor with the student's legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. See policies at <http://www.colorado.edu/policies/classbehavior.html> and at http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student_code

4) The University of Colorado Boulder (CU-Boulder) is committed to maintaining a positive learning, working, and living environment. The University of Colorado does not discriminate on the basis of race, color, national origin, sex, age, disability, creed, religion, sexual orientation, or veteran status in admission and access to, and treatment and employment in, its educational programs and activities. (Regent Law, Article 10, amended 11/8/2001). CU-Boulder will not tolerate acts of discrimination or harassment based upon Protected Classes or related retaliation against or by any employee or student. For purposes of this CU-Boulder policy, "Protected Classes" refers to race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, or veteran status. Individuals who believe they have been discriminated against should contact the Office of Discrimination and Harassment (ODH) at 303-492-2127 or the Office of Student Conduct (OSC) at 303-492-5550. Information about the ODH, the above referenced policies, and the campus resources available to assist individuals regarding discrimination or harassment can be obtained at <http://hr.colorado.edu/dh/>

5) All students of the University of Colorado at Boulder are responsible for knowing and adhering to the academic integrity policy of this institution. Violations of this policy may include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council (honor@colorado.edu; 303-735-2273). Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member and non-academic sanctions (including but not limited to university probation, suspension, or expulsion). Other information on the Honor Code can be found at <http://www.colorado.edu/policies/honor.html> and at <http://honorcode.colorado.edu>