

Cabrillo College
ENGR 198 --- Engineering Abroad
Syllabus
Fall 2015

Student Learner Outcomes:

- Apply principles of engineering in designing solutions on an international project.
- Apply the engineering design process to develop a sustainable solution that satisfies the needs of a community abroad.
- Construct and test solutions, using a hands-on approach, to determine how successfully the design satisfies the problem statement and constraints.

Instructors:

Kelli Horner
Rm 812
831-477-3235
kehorner@cabrillo.edu

Karl Ewald
Rm 820B
831-359-2267
karl.ewald@cabrillo.edu

Office Hours:

M 5:30 – 6:00 pm (Rm812)
T 12:30 – 1:30 pm (Rm812)
TTh 8:00 am – 9:00 am (STEM Ctr)

Office Hours:

T 1:00 – 2:00 pm (STEM Ctr - Rm 834)
T 6:00 – 9:00 pm (STEM Ctr - Rm 834)
F 8:00 – 9:00 am (STEM Ctr - Rm 834 or Rm 810)

Class Hours:

Friday 1:00 – 4:05 pm (Rm 810)

Work Load:

Since this is a 3-hour/week course, prepare to spend 6-8 hours per week outside of class on this course.

Course Web Site:

<http://www.cabrillo.edu/academics/engineering/engrabroad/index.html>

Textbook:

Sustainable Engineering: Concepts, Design, and Case Studies, 1st Ed. by Allen, David T. and David R. Shonnard (2012). Prentice Hall. ISBN: 978-013275654

Materials:

3-ring binder

Attendance:

Attendance is mandatory.

Homework:

Assigned homework is due at the beginning of class on the due date. Late homework will not be accepted. This policy has been established for the following reasons:

- Adhering to the project deadlines is of utmost importance in engineering industry.
- Learning to overcome procrastination now before your engineering career begins is essential.
- Assignment deadlines at the university are strictly enforced.
- Late entrance is disruptive to the class and distracting to your instructor and fellow students.

Presentation:

Present all work professionally: organized, logical, neat, legible, complete

Grading:

Grading will be out of 3 with the following breakdown:

- √+ 3 points – homework submitted in a professional manner
- √ 2 points – average homework presentation
- √- 1 point – homework submitted in an unprofessional manner
- 0 points – homework not turned in on time

Final Grade:

Participation.....	20%
Homework.....	20%
Deadlines.....	20%
Group Activities.....	20%
Presentations.....	20%