

**Cabrillo College**  
**ENGR 198 --- Engineering Abroad**  
**Syllabus**  
**Fall 2014**

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**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](mailto:kehorner@cabrillo.edu)

**Office Hours:**

Sat\* 8:30 - 9:30am (Rm 810 or 812)  
(\*9/20, 10/4, 10/18, 11/1, 11/15, 12/6)

Karl Ewald  
Rm 820B  
831-359-2267

[karl.ewald@cabrillo.edu](mailto:karl.ewald@cabrillo.edu)

**Office Hours:**

T 2:00 pm – 3:30 pm (STEM Ctr - Rm 834)  
Th 11:30 am – 1:00 pm (STEM Ctr - Rm 834)  
F 8:00 am – 9:00 pm (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.....	10%
Homework.....	20%
Deadlines.....	10%
Group Activities.....	10%
Reflection.....	15%
Photo Journal.....	15%
Presentations.....	20%