GENERAL COURSE DESCRIPTION (straight from the course catalogue)

This course will provide undergraduate students with an international experience related to energy, environmental and/or chemical engineering. The country visited will vary from year to year with one or more EECE faculty members developing the program in collaboration with McDonnell Global Energy and Environment Partnership (MAGEEP) universities. Example activities include conducting field or laboratory research, attending short courses taught by MAGEEP university faculty members, and visiting attractions relevant to the course focus (e.g., industrial facilities). Students will also gain an understanding of the local culture and history of the country visited. Course content will include a seminar series in the spring semester prior to the international experience, a two-to-three week visit to the location of study, and a follow-up student project and presentations during the fall semester, which draws upon the experience. Students will enroll in EECE 401 for the fall semester following the trip.

HOMEWORK:
None

EXAMINATIONS:
None

COURSE GRADING:

<table>
<thead>
<tr>
<th>Activity</th>
<th>% of GRADE</th>
<th>DUE DATE</th>
</tr>
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<tbody>
<tr>
<td>Trip journal and oral presentation/discussion</td>
<td>15%</td>
<td>June 7</td>
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<tr>
<td>Trip report</td>
<td>25%</td>
<td>August 27</td>
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<tr>
<td>Class video</td>
<td>15%</td>
<td>September 30</td>
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<tr>
<td>PowerPoint Presentation</td>
<td>20%</td>
<td>November 22</td>
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<tr>
<td>Research Paper</td>
<td>25%</td>
<td>December 6</td>
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GRADING DESCRIPTION:

Trip journal and oral presentation/discussion (Due: June 7, 2014)
During the trip, each student will prepare a journal to keep a daily record of observations and reflections. These will be due the last day of the trip. On the afternoon of June 6th, there will be a group discussion, where each student will speak for 5-minutes on a topic selected by the student on
June 3rd. The trip journal, oral presentation and your participation in the discussion are combined worth 15% of your final grade.

**Trip report (Due: August 29, 2014)**
Each student will complete a 15-page (double spaced, 12 pt. font) report describing the international experience and what the student learned. The report has two components: a) science and technology (2/3) and b) policy, economics and culture (1/3). The grade will be based 80% on content and 20% on form.

**Internship report (Due: October 1st)**
For students doing internships, an additional 15-page report on the internship is required and is due October 1st. The internship report and trip report combined are worth 25% of your final grade.

**Class video (Due: September 30, 2014)**
The class will jointly produce a video summarizing the Singapore experience. Each student is responsible to produce a clearly definable section of the video. The class will receive a common grade for the video unless an individual’s contributions are deemed to be particularly strong or weak.

**PowerPoint Presentation (Due: November 21, 2014) and Research Paper (Due: December 5, 2014)**
Each student will select a research topic related to an aspect of his or her experience in Singapore. For example, a topic could be “water treatment and reuse in Singapore.” The student will research the topic and prepare a PowerPoint presentation and research paper. The presentation will be 15 minutes long and be given in front of the class. The paper will be 25 pages long (double spaced, 12 pt. font), including references.

**LATE WORK POLICY:**
If the journal, trip report or research paper are turned in late they will be assessed a penalty of 5% per day. They will not be accepted if overdue more than seven days.

**SPECIAL NEEDS:**
If you have any special needs during the trip, e.g., vegetarian food, religious observance, allergies, phobias, etc. please notify Ray Ehrhard at least one month before departure.
Schedule and important dates

Spring Semester:

Orientation will include weekly meetings including 1/2 hour pre-trip seminars (time, date and place TBA). Please go through all handouts describing Visa requirements and other logistics requirements prior to the trip. If there are any problems notify Ray Ehrhard well ahead of any deadlines.

Summer:

May 23 to June 7: Trip to Singapore!!! Classes will be held at the National University of Singapore (NUS) and there will be field trips to industrial facilities and labs. Prepare to work hard and have fun. Be diligent in keeping your trip journal.

June 3: Give topic of your June 6th talk to Ray Ehrhard.

June 6: Speak for 5-minutes about an aspect of the trip that was of particular interest to you. Participate in the group discussion.

June 7: Turn in trip journal (can be submitted electronically).

August 29: Turn in trip report.

Fall Semester:

September 30: Present class video.

September 15: Select topic for research paper and notify Ray Ehrhard e-mail.

October 1: Internship reports due.

November 21: Present a 15-minute PowerPoint presentation.

December 5: Turn in Research paper.
Academic Integrity Policy

Students in the School of Engineering and Applied Science are expected to conform to high standards of conduct. This "Statement on Student Academic Integrity" has been formally approved by the School's faculty and is intended to provide guidelines on academic behaviors that are not acceptable.

Statement on Student Academic Integrity:

You are not allowed to collaborate when writing reports unless the instructor specifically states otherwise.

It is dishonest and a violation of academic integrity if:

1. You turn in work that is represented as yours when in fact you have significant outside help. When you turn in work with your name on it, you are in effect stating that the work is yours, and only yours.
2. You use the results of another person's work (exam, homework, computer code, lab report) and represent it as your own, regardless of the circumstances.
3. You request special consideration from an instructor when the request is based upon false information or deception.
4. You submit the same academic work to two or more courses without the permission of each of the course instructors.
5. You willfully damage the efforts of other students.
6. You use prepared materials in writing an in-class exam except as approved by the instructor.
7. You write on or make erasures on any test material or class assignment being submitted for re-grading.
8. You collaborate with other students planning or engaged in any form of academic dishonesty.
9. You turn in work which is represented as a cooperative effort when in fact you did not contribute your fair share of the effort.
10. You do not use proper methods of documentation. For example, you should: Enclose borrowed information in quotation marks; acknowledge material that you have abstracted, paraphrased or summarized; cite the source of such material by listing the author, title of work, publication, and page reference."

If in doubt, ask the instructor.