ENGR 1: Interdisciplinary Topics Engr  
Fall 2015

Instructor:  
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Office hours: Mon 10:00-11:00AM; Wed: 10:00-11:00Am; Thu: 01:30-02:30pm  
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References:

Course Outcomes:
Upon successfully completing this course, students will be able to

1. Write effective team reports and summaries of presentations
2. Discuss the fundamentals of engineering ethics
3. Work effectively with other students
4. Describe the traditional branches of engineering and the relationship between them.
5. Discuss a societal problem that needs an engineering solution

Topics Covered
• Introduction to engineering
• Teamwork
• Engineering design process
• Engineering ethics
• Oral and written communications
• Fields of Engineering.

Course Structure:
The class meets one hour per week. Each hour will contain a presentation on a topic of interest in the fields of engineering or computer science. There will be two types of assignments: 1) presentation summaries where students write a short summary of the lectures, and 2) project reports, where students work in groups to address specific topics. The main difference between the two is that presentation summaries are individual assignments and project reports are group assignments. For the projects, you will be working in teams of four. Your teammates are assigned randomly or pseudo-randomly by the instructor. The list of assignments can be found in the table below.
Assignments

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Type</th>
<th>Due date</th>
<th>Electronic submission required?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture summary</td>
<td>Individual assignment</td>
<td>To be announced in class</td>
<td>No</td>
</tr>
<tr>
<td>Project report I</td>
<td>Project report: group assignment</td>
<td>To be announced in class</td>
<td>Yes</td>
</tr>
<tr>
<td>Project report II</td>
<td>Project report: group assignment</td>
<td>To be announced in class</td>
<td>Yes</td>
</tr>
<tr>
<td>Project report III</td>
<td>Project report: group assignment</td>
<td>To be announced in class</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Grading: The course is graded credit/no credit. In order to achieve a grade of “Credit”, students must: 1) complete all assignments with at least B-, you will be given no more than two make up opportunities, and 2) have no more than three absences.

Grading Rubric for presentation summaries

**A:** Student shows understanding of presentation and makes summary statements that convey the purpose, content, and/or organization of the presentation. Summary spans the scope of the presentation, and level of detail is appropriate. Emphasis for each important topic or group of topics is consistent with the presentation. Uses correct grammar and syntax.

**B:** Reads more like a list of comments rather than a summary. Some effort has been made to connect comments. A few grammatical errors. May give a bit more detail about one part compared to other parts.

**C or less:** (does not count as a completed assignment). A sequence of disconnected statements. Some statements are a quote or paraphrase of a statement made by the presenter. Contains frequent instances of poor grammar. Concepts are fragmented or incomplete.