EE15n Assignments and Deadlines

**Reading Assignments:**

Lecture 1 (1/6): Text, Chapter 1 (Introduction to Engineering Design)
Lecture 2 (1/13): Text, Chapter 2 (The Design Process)
Lecture 3 (1/20): Text, Chapter 15-16. (Design Teams and Management)
Lecture 4 (1/27): Text, Chapters 3-4. (Problem Definition: Requirements and Objectives)
Lecture 5 (2/3): Text, Chapters 5-6. (Problem Definition: Constraints and Design Specs)
Lecture 6 (2/10): Text, Chapter 7, 8 and 14. (Generating Design Ideas and Choosing a Design)
Lecture 7 (2/17): Posted Articles (Why Things Fail)
Lecture 8 (2/24): Text, Chapters 9-11 (Communicating the Design and Prototyping)
Lecture 9 (3/3): Posted Articles (Engineering Products that Changed the World)
Lecture 10 (3/10): Posted Articles (Wrapping up and Looking Ahead: Beyond the 1st Generation)

**Project presentations: March 18, 12:15-3:15**

**Project-based assignments and deadlines**

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<th>Deadline</th>
<th>Assignment</th>
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<tr>
<td>Weekly</td>
<td>Notes from project meetings (starting Jan 27)</td>
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<tr>
<td>Jan 20:</td>
<td>Form team, Choose project (1 paragraph Problem Statement – i.e. a statement of the problem that your project will solve - due by email at midnight)</td>
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| Feb 3:    | Revised Problem Statement  
            Preliminary list of project roles and tasks  
            Objective tree for your project                                                    |
| Feb 17:   | Morphological Chart. Set of team member sketches for the Gallery Method.                                                              |
Mar 10: Detailed Design:
Detailed description/block diagram(s), Schedule, Cost Estimate
Prototype/model/proof of concept description (Optional)

Mar 18: Presentation and Final Report Deadline

Writing assignments

Please choose one of the following options for each of your two writing assignments. The paper should be 3-5 pages (double-spaced). You must include multiple references that support the claims in your report and from which any quotes are taken.

• A report on how society shapes technology or vice versa (e.g. stem cell research, cell phones, nuclear power, the Internet, Twitter)
• A case study of a complex engineering project (e.g. the IPhone, Facebook, the space shuttle, the power grid, MRIs, electric cars.)
• Describe in more detail an engineering project executed by one of our guest speakers
• Chose your own topic related to engineering project design

Deadline | Assignment
----------|------------------
Feb 10    | 1st writing assignment
March 3    | 2nd writing assignment