FINAL: Design Project report
Due: One written report per group
Due: One oral presentation per group
Due: One self-evaluation report per person

Due date: June 9, 2015 at 12:00 pm

Goal: To perfect your Design Project proposal into its final form

PART1: Written report:

Format: 10 written pages max, not including references, figures, or additional materials; 0.5" margins single spaced Arial 11pt

Suggested organization: Title / Group name and members / Abstract / Background, significance, and problem being addressed / Goal / Experimental approach and supporting data / Hurdles / Innovation, comparison to existing projects, impact on society / Bibliography

Grading criteria:
Impact: importance of your problem and your approach to solve it
Novelty: innovative, new, exciting ideas will get high points
Organization and content: dividing and presenting your project in a logical order, proof reading and spell checking will be important for full credit
Communication: clearly stated goals and logical progression of your report is important. Make sure you explain all aspects clearly and concisely, without being redundant
Creativity: use of figures, schematics and other types of visual aids to communicate your project will be rewarded
Credibility: reference to a variety of credible sources will increase your score

In short, it is up to YOU to convince ME that your project is worth the Nobel Prize (or, at least, an “A” in the class). Feel free to seek feedback and ask questions – of me, each other, or other scientists on or off campus.

PART2: Oral presentations to the class:
- All groups will present on June 9, 2015 at 12:00 – 3:00 pm (Finals week)
- Each group will have 10 minutes for their presentation, plus 3 minutes to answer questions
- Grading criteria will be similar to the written report, using the scoring rubric below as a guideline
- Visual aids used for your presentation, such as slides or prototypes, are due at the beginning of class, June 9
- Bonus points will be given to students asking questions of other groups after each presentation (points awarded individually, not to the whole group).
**Scoring rubric for oral presentations:**

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Levels of achievement</th>
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<tbody>
<tr>
<td><strong>Presentation</strong></td>
<td></td>
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<tr>
<td>Effective communication</td>
<td>Sophisticated (5 pts max)</td>
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<tr>
<td>A</td>
<td>Logically organized presentation; easy to follow; articulate presentation; concise and to the point; well rehearsed; enthusiastic and engaging performance</td>
</tr>
<tr>
<td>B</td>
<td>Clear, logical content with well balanced sections; enough information, all relevant to the topic; appropriate acknowledgment of sources</td>
</tr>
<tr>
<td>C</td>
<td>Well laid out presentation with appropriate balance of illustrations and text; illustrations relevant to topic; used efficiently to support spoken presentation</td>
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</tbody>
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**PART3: Self evaluation:**

Each student needs to answer the following and submit on June 9, 2015 at 12:00 pm:

1. I contributed ideas and/or constructive criticism to improve the group effort  
   Many       Several       Some       I did not contribute

2. I attended all group meetings  
   Yes         No            We were not able to meet as a group

3. I was timely and prepared for all group meetings  
   Always       Most of the time       Sometimes       I did not attend

4. I completed my assigned contributions in a rigorous and timely fashion  
   Always       Most of the time       Sometimes       I did not contribute

5. My input was constructive and focused  
   Always       Most of the time       Sometimes       I did not provide valuable input

6. Balance of the group effort was  
   Fairly equal       1-2 people did most of the work       1-2 people were freeloaders

7. Based on my own overall performance, I would give myself the following grade:  
   A+       A       A-       B       C       D       F