Week 12 – Tuesday

Course Logistics
Notes

• Product Design Classes (Spring 2013)
  – Toy Product Design (PDES 3711/5711)
  – Innovative Computer Modeling & Rendering in Design (PDES 5170) – co-taught w/ CSCI

• Professionalism

• Design Show Brochure
  – Info to Tori Piorek by Wed.

• Intellectual Property: Tues, 11/27, Dr. Durfee

• Office Hours Today: 2:15 – 3:00
## Schedule: Now to Design Show

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Nov 20</td>
<td>12: <strong>Lecture: Course Logistics</strong> Team Meeting</td>
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<td>Nov 27</td>
<td>13: <strong>Lecture: Intellectual Property</strong> (Prof. Durfee) Team Meeting</td>
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<td><strong>Due:</strong> Design Evaluation (<a href="#">Design Report</a> Assessment #4 - Supporting documents for Design Evaluation are not due at this date just Volume I)</td>
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<td>Dec 4</td>
<td>14: <strong>Lecture: Systems Engineering</strong> Team Meeting</td>
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<td>Dec 11</td>
<td>15: <strong>Design Show!</strong> (Coffman Union Great Hall, Open to public 2-5 PM)</td>
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<td><strong>Due:</strong> Notebook</td>
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<td>Nov 22</td>
<td><strong>Thanksgiving</strong></td>
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<td>Nov 29</td>
<td><strong>Lecture: The Design Show</strong> Team Meeting</td>
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<td>Dec 6</td>
<td><strong>Team Meeting</strong></td>
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<td>Dec 10</td>
<td><strong>Due on Monday December 10:</strong> Final Design Report (<a href="#">Design Report Assignment #5</a>)</td>
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<td>Dec 13</td>
<td><strong>Relax!</strong></td>
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<td><strong>Due:</strong> <a href="#">Peer Evaluation</a></td>
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### Important Dates:

- 11/27  Draft Evaluation Chapter
- 12/10  Final Design Report
- 12/11  Design Show
- 12/13  Peer Evaluation
Resources: Assembly Space

- Mercury Spill Yesterday
Resources

• Rapid Prototyping: Allow at least 1 week
• Equipment Available for Loan: DAQ boards
• Design for the Environment Tutorial
• ME Student Shop Hours:
  – Monday: 7:45 – 12:00, 12:30 – 4:15
  – Tues-Fri: 12:30 – 4:15

Find details at Course website → Resources
Rapid Prototype Machine

- Is there a limit to the part size?
- How many RP parts can be made?
- What is the lead time that you should allow?

See:  [http://me.umn.edu/intranet/rapid/](http://me.umn.edu/intranet/rapid/)

Find details at Course website → Resources
Final Design Report

• 30 page limit on Volume I.
• Contributions Page
  – document specific contributions of each team member
• Deliver to Design Show Check-in Table:
  – Printed Version of Volume I and Volume II (two separate bound documents)
  – CD, DVD, or USB drive containing Vol I & II, Supporting Documents
• CD, DVD, or USB drive for the advisor.
3.1 Evaluation Reports
This section contains the research reports that validate the design criteria. Every design criteria listed in Volume I is explicitly evaluated. The evaluation reports from Volume I are simply the abstracts from these evaluation reports.

For each report, have an introduction, method, results, and discussion section. If the same apparatus or method is used to evaluate different criteria, there is no need to re-describe your previous explanation.

3.3 Environmental Impact Statement
This section outlines the impact your design has on the environment. Every design impacts the environment in some way. Read the design for environment webpage for more info: http://www.me.umn.edu/dfe/.

An environmental impact statement has four main parts: purpose and need, impact to environment, alternatives to design, and discussion.

3.4 Regulatory and Safety Considerations
Describe the regulations which apply to the use or production of your product. List safety concerns which you have for the use or production of your product. Provide recommendations for each of the concerns you have listed. There are no ‘outlaw’ unregulated products.
HAPPY THANKSGIVING