Questions and Answers

Vol. 2

or

“There is such a thing as too much beer”

Paul Pounds

14 May 2013

University of Queensland
But first…

Some house keeping
## Calendar at a glance

<table>
<thead>
<tr>
<th>Week</th>
<th>Dates</th>
<th>Lecture</th>
<th>Reviews</th>
<th>Demos</th>
<th>Assessment submissions</th>
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<tr>
<td>1</td>
<td>25/2 – 1/3</td>
<td>Introduction</td>
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<td>2</td>
<td>4/3 – 8/3</td>
<td>Principles of Mechatronic Systems design</td>
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<td>3</td>
<td>11/3 – 15/3</td>
<td>Principles of Sailing</td>
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<td>Design brief</td>
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<td>4</td>
<td>18/3 – 22/3</td>
<td>Sensor Fusion and Filtering</td>
<td>Progress review 1</td>
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<td>5</td>
<td>25/3 – 29/3</td>
<td>Your Soldering is Terrible</td>
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<td>Break</td>
<td>1/4 – 5/4</td>
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<td>3D printing</td>
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<td>7</td>
<td>15/4 – 19/4</td>
<td>Image Processing on Microcontrollers</td>
<td>25% demo</td>
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<td>22/4 – 26/4</td>
<td>Fluid Mechanics</td>
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<td>Q&amp;A</td>
<td>Progress review</td>
<td>50% demo</td>
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<td>6/5 – 10/5</td>
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<td>11</td>
<td>13/5 – 17/5</td>
<td>Q&amp;A</td>
<td>75% demo</td>
<td>Preliminary report</td>
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<td>12</td>
<td>20/5 – 24/5</td>
<td>Q&amp;A</td>
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<td>13</td>
<td>27/5 – 31/5</td>
<td>Closing lecture</td>
<td>Final testing</td>
<td>Final report and addendum</td>
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*You are here*
FAQ Roundup

• None as yet
Lab matters

• There are outsiders amongst us!
  – They look just like us
  – They are secretly toasters
  – They have a plan

• Safeguard the lab from those who don’t belong there
  – Secure your space and possessions
Incremental demo 3

• Last chance to secure safety-net marks
  – Earned marks will be capped at 75% of total

• Full scenario in play
  – Makes an effective test of your design

By appointment only – so far no takers
Preliminary report

• Due on Friday!
  – 5 pages of explanation/writing
  – Stick any math/sims/figures/budgets/etc in an appendix or ten

• Convince me you have done due diligence on your engineering design
  – Show me the cool stuff you’ve done!
Preliminary report

• Pass/fail mark – the point of this exercise is to give you feedback for your final report

Make it as close to the final report as possible:
1. It will (likely) ensure a pass
2. You can get useful hints on improvements
3. It will already be written for 2 weeks’ time
The preliminary report

• The preliminary report must:
  – Contain the majority of content and structure of the final report
  – Constitute a complete, polished report in its own right (preliminary, not draft.)

• The preliminary report must not:
  – Be an unstructured jumble of material
  – Be an incomplete, feeble effort
Preliminary report

Some notes:

• The report is individual assessment
  – One report per student, **not** one report per team

• Focus on your contributions and efforts
  – But explain how they fit into the team’s design

• Your 5 pages are precious
  – Use the appendices wisely
  – Make sure any content essential to understanding your design is in the main body
Questions?
Tune-in next time for...

Förderung der Wissenschaft mit Bier

or

“Academia: totally worth it”

Fun fact: A devotional prayer to the ancient Summerian goddess Ninkasi was also a recipe for beer.