

Questions and Answers

Vol. 4

or

“I came to the lecture and all I got was
educated and this lousy cup of coffee.”

Paul Pounds

2 May 2017

University of Queensland

But first...

Some house keeping

Calendar at a glance

Week	Dates	Lecture	Reviews	Demos	Assessment submissions
1	28/2 – 3/3	Introduction			
2	6/3 – 10/3	Principles of Mechatronic Systems design			Problem analysis
3	13/3 – 17/3	Professional Engineering Topics			
4	20/3 – 24/3	Introduction to Practical PCB Design	Progress review 1		
5	27/3 – 31/4	Your soldering is (probably) terrible			
6	3/4 – 7/4				
7	10/4 – 14/4		Progress seminar	25% demo	
Break	17/4 – 21/4				
8	24/4 – 28/4				
9	1/5 – 5/5			50% demo	
10	8/5 – 12/5		Progress review		
11	15/5 – 19/5			75% demo	Preliminary report
12	22/5 – 26/5				
13	29/5 – 2/6	Closing lecture		Final testing	Final report and reflection

You are
here →

Incremental demo

- This week is the 50% incremental demo
 - If you wanted to do this for marks, you should have emailed me by Friday last week...
- These will run in this week's prac sessions
 - If you emailed me before Friday, pick a slot here: <http://doodle.com/poll/gmds422n9aaivcvy>
 - If you didn't email me, you don't get a fixed slot, but you can still show up on the day.

Incremental demo

- Holy heck! We have our testing tank!
- Yessiree bob, we will be testing with the *actual* apparatus in its *actual* configuration
 - Polytank – Online
 - Seafloor tray – Online
 - Mini-sub – Online
 - All systems nominal

Progress review 2 – Electric Boogaloo

- Next week is the second progress review
 - Just like the first progress review in every way that counts! Except with 300% more progress!
- Sign up for a slot on the Doodle poll that will go up immediately after the lecture
 - <http://doodle.com/poll/xqwbkngh7u8gi2cn>
 - You know the drill!
 - Include your team number, plus your full name:
Non-compliant sign-ups will be cleared

FAQ Roundup

- **Hey, what about the tank?**
 - OMG it's finished! It works! It's alive! Aliiiiive!! Ahem.
- **Why do my PAF grades show up as a line?**
 - Because Blackboard is stupid and doesn't know how to divide by zero.
- **Cool story, bro – but when are you going to fix it?**
 - Should already be done!

And now...



Gratuitous project tips

Gratuitous project tips!

- **OMG go to the incremental demos!**
 - Even if you're not ready to test, this is an excellent chance to see how the testing is done
 - Also a great chance to see what other teams are doing well... and badly!
- **At this point in the class you should be very close to working hardware**
 - Aim to spend the next several weeks testing
 - If you aren't that far ahead, pick up the pace!

Gratuitous project tips!

- Your gripper is (still) terrible (probably)
 - Some people are getting the message and are starting to think about alternatives
 - It is almost too late to be making these changes
 - ... almost, but not quite.
 - Pay very close attention to how well things work on during the incremental demos!

Gratuitous project tips!

- Think about what the task actually requires you to do
 - A lot of people seem to be worried about what's happening on the surface, rather than what's going on down at the ocean floor
- This is the part of the course where team dynamics start to bite
 - You should be paying particular attention to making sure your team is happy with your work

Questions



Tune-in next time for...

Questions and Answers Vol. 5

or

“A caffeinated student is a busy student”

Fun fact: Student attendance at lectures is directly proportional to the stochastic outcome of that student's performance in this class.