

Questions and Answers Vol. 1

or

“All that stands between us and Wordsmiths”

Paul Pounds

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University of Queensland

But first...

Some house keeping

House keeping

- Rubbish and drink bottles in the lab
 - Warning 1. If you see someone making/leaving a mess in the lab, politely excoriate them.
 - Lab is No Food Zone. Eat outside plz kthxbye.
- Progress Reviews are done
 - (Almost) everyone passed; some barely
 - Wake-up call for a lot of people
 - We are seeing lots of hacking, very little math

House keeping

- Group 10 is no more; Group 9 is now bigger
 - Should have no advantage or disadvantage
- On PCBs:
 - Submit to Steve Wright for BEC batch runs
 - If you want to use a specific fab (eg. for fast turnaround) talk to ETSG – they will allow you to place the order yourself and get reimbursed
 - Ask John Kolbach first.

House keeping

Reminder:

- You must submit your designs to Doug for machining parts THIS WEEK
 - No parts will be machined for you after then
 - You can machine your own parts, but you won't be able to go through the workshop

Calendar at a glance

Week	Dates	Lecture	Reviews	Demos	Assessment submissions
1	3/3 – 7/3	Introduction			
2	10/3 – 15/3	Principles of Mechatronic Systems design			
3	17/3 – 21/3	Professional Engineering Topics			Design brief
4	24/3 – 28/3	Your soldering is (probably) terrible			
5	31/3 -4/3	No lecture	Progress review 1		
6	7/4 – 11/4	Image segmentation			
7	14/4 – 18/4	Q&A	Progress seminar	25% demo	
Break	21/4 – 25/4				
8	28/4 – 3/5	Q&A			
9	5/5 – 9/5	Q&A	Progress review	50% demo	
10	12/5 – 16/5	Q&A			
11	19/5 – 23/5	Q&A		75% demo	Preliminary report
12	26/5 – 30/5	Q&A			
13	2/6 – 6/6	Closing lecture		Final testing	Final report and addendum

You are here ↗

Try to do stuff 😊

Progress seminars

- Progress seminars are next week!
 - First group-based assessment
 - Gives you presenting experience and brings us up to date with your team's progress
- Sign up for session slots via Doodle poll
 - Link to poll will be sent out via Blackboard announcement after the lecture (closes Friday)

Progress Seminar

- Group presentation – 10 minutes per team
 - Stand up and talk about your progress
 - Each person talks for roughly equal time
- Focus on progress, not the requirements!
 - We already know what the project goal is.
 - We know (roughly) what your approach is.
 - Don't waste valuable time repeating them.
 - Above all, show *evidence* of your work.

Progress seminars

- How to sign up:
 - Have **one and only one** member of your team nominate a time for your team on the
 - When they sign up, they must include their **full name and team number**. If they don't have both, the slot will be cleared.
- If you absolutely can't get a slot that works for all of your group, email me ASAP
 - *But this should never happen*

FAQ Roundup

- **Can we use off the shelf tires, or do we have to make our own?**
 - Off the shelf tires are fine, so long as you aren't using a rubber wheel that is 100% tire.
- **Can we use Lego shafts?**
 - Sure, but why would you want to?
- **Can we use Arduino/RaspPi/Raspduino?**
 - Yes... but I won't respect you in the morning.
- **Wasn't there supposed to be a doodle poll for lecture topics?**
 - Yeah, about that...

Lecture nominations

- Only one person nominated a topic
 - This presentation is therefore on that topic.
- Future topic polls will be conducted in class
 - Hey, let's do that now!

Demos

- The first preliminary demonstration round runs next week
 - Mark cap at 25 per cent.
 - One demo attempt per team (in this round)
- If you are ready to test your car, contact me now so I can arrange things.
 - Bookings must be made by 5pm Friday.

Questions



Tune-in next time for...

Questions and Answers Vol. 2

or

“Everything you wanted to know about
mechatronics, but were too lazy to ask!”

Fun fact: Paul’s work will appear in a coming issue of Popular Mechanics.