

MATH35001 2018-19: Feedback on feedback ¹

I'm supposed to give you feedback on your UEQ Responses because our management believes that this makes you happy. Having looked through what you said, you seem to be pretty happy already (I've attached the report so you can check!), and I am too.

- Issues that arise every year (and will continue to do so) are my handwriting and the fact that I talk fast. Maybe even too fast. Am aware of both, obviously, but it's hard to change. Honest! You were encouraged to shout at me (and sometimes did) when anything was unclear.
- I continue to be mystified why me numbering sections (in the lecture; the notes number themselves, obviously) would make the remotest bit of difference to anything. I spend enormous amounts of time trying (and maybe failing?) to convey "the big picture", and saying "We're now moving on to something different" should convey that we, well, how shall I put this..., are about to move on to something different. Giving this act a number (which, rather awkwardly, then has to increase continuously) adds what exactly? Anyway, I have finally pulled out the pile of notes and am adding those numbers now. I expect to be awarded 100% satisfaction from future generations of students...
- Re coursework: I've explained the logic behind this. You're (nearly) grown-ups and shouldn't need prods like this to get you to work for a course...
- "Some examples are a little more advanced than necessary." How do you know?
- "I think you could take a lecture or 2 to introduce some computational methods for those interested." Would obviously love to but two lectures really can't do this justice. It's a bit harder than you think. Do a project with me if you want to find out more!

¹Any feedback on the feedback on the feedback to: *M.Heil@maths.manchester.ac.uk*

University of Manchester
2018-19 Semester 1 Mathematics (UG & PG)

Course: I3034-MATH-35001-1181-1SE-009278: MATH35001 Viscous Fluid Flow 2018-19 1st Semester
Instructor: Matthias Heil *
Response Rate: 43/66 (65.15 %)

1 - Overall, I would rate this unit as being excellent.

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Agree	(5)	31	72.09%			4.60	4.28		
Mostly Agree	(4)	9	20.93%						
Neither Agree Nor Disagree	(3)	2	4.65%						
Mostly Disagree	(2)	0	0.00%						
Disagree	(1)	1	2.33%						
				0 25 50 100	Question	School BM Data			
Response Rate	Mean	STD	Median	School BM Data			Mean	STD	Median
43/66 (65.15%)	4.60	0.79	5.00	2916			4.28	0.98	5.00

2 - The feedback that I received on my work was helpful.

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Agree	(5)	14	32.56%			3.77	4.18		
Mostly Agree	(4)	13	30.23%						
Neither Agree Nor Disagree	(3)	12	27.91%						
Mostly Disagree	(2)	0	0.00%						
Disagree	(1)	4	9.30%						
				0 25 50 100	Question	School BM Data			
Response Rate	Mean	STD	Median	School BM Data			Mean	STD	Median
43/66 (65.15%)	3.77	1.19	4.00	2916			4.18	1.07	5.00

3 - This unit was well organised.

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Agree	(5)	29	67.44%			4.51	4.40		
Mostly Agree	(4)	11	25.58%						
Neither Agree Nor Disagree	(3)	1	2.33%						
Mostly Disagree	(2)	0	0.00%						
Disagree	(1)	2	4.65%						
				0 25 50 100	Question	School BM Data			
Response Rate	Mean	STD	Median	School BM Data			Mean	STD	Median
43/66 (65.15%)	4.51	0.94	5.00	2916			4.40	0.93	5.00

4 - The course materials were helpful.

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Agree	(5)	27	62.79%			4.51	4.40		
Mostly Agree	(4)	13	30.23%						
Neither Agree Nor Disagree	(3)	2	4.65%						
Mostly Disagree	(2)	0	0.00%						
Disagree	(1)	1	2.33%						
				0 25 50 100	Question	School BM Data			
Response Rate	Mean	STD	Median	School BM Data			Mean	STD	Median
43/66 (65.15%)	4.51	0.80	5.00	2916			4.40	0.95	5.00

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5 - The support classes were helpful.

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Agree	(5)	30	69.77%			4.49	4.25		
Mostly Agree	(4)	7	16.28%						
Neither Agree Nor Disagree	(3)	4	9.30%						
Mostly Disagree	(2)	1	2.33%						
Disagree	(1)	1	2.33%						
				0 25 50 100	Question	School BM Data			
Response Rate	Mean	STD	Median	School BM Data			Mean	STD	Median
43/66 (65.15%)	4.49	0.94	5.00	2916			4.25	1.05	5.00

6 - The eLearning resources provided in this unit were helpful.

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Agree	(5)	22	51.16%			4.26	4.24		
Mostly Agree	(4)	13	30.23%						
Neither Agree nor Disagree	(3)	6	13.95%						
Mostly Disagree	(2)	1	2.33%						
Disagree	(1)	1	2.33%						
				0 25 50 100	Question	School BM Data			
Response Rate	Mean	STD	Median	School BM Data			Mean	STD	Median
43/66 (65.15%)	4.26	0.95	5.00	2916			4.24	1.11	5.00

7 - Prof/Dr. Matthias Heil's teaching was excellent.

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Agree	(5)	36	83.72%			4.84	4.32		
Mostly Agree	(4)	7	16.28%						
Neither Agree nor Disagree	(3)	0	0.00%						
Mostly Disagree	(2)	0	0.00%						
Disagree	(1)	0	0.00%						
I have not been taught by this lecturer	(0)	0	0.00%						
				0 25 50 100	Question	School BM Data			
Response Rate	Mean	STD	Median	School BM Data			Mean	STD	Median
43/66 (65.15%)	4.84	0.37	5.00	3557			4.32	1.04	5.00

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8 - What aspect of Prof. /Dr. Matthias Heil's approach to teaching best helped your learning?

Response Rate	24/66 (36.36%)
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- Fantastic lecturer. In class notes are well structured and very useful. Would love to have another module with Matthias as my lecturer.
- Matthias is clearly very passionate about introducing his students to viscous fluid dynamics.
- Matthias explains everything really clearly - as a physicist, I particularly like how he uses physical insight to simplify the problem and how he stresses that this is important!
- Matthias explains every detail very clearly and is very approachable if I have any questions
- Great at explaining physical concepts. Makes complex material seem easy!
- His teaching method of showing the derivation of the NS equations was interesting and better than just jumping straight into examples.
- Just all round excellent teaching
- Content is delivered at a good pace, going through examples in the lectures had helped me a lot.
- Use of projector fantastic, full body reenactments of fluids being sheared and translated were amazing. Being able to simplify answers down into easy to understand physical interpretation was very helpful
- Clear
- His enthusiastic and exuberant style of lecturing is very engaging combined with his occasional witty remark made his lectures a pleasure to attend.
- An enthusiastic lecturer which increased my overall enjoyment of the course.
- The most engaging lecturer I have had even during the more mundane topics
- Dr Heil is very enthusiastic which makes lectures interesting.
- Engaging lecturer, good at explaining concepts, the lectures themselves are very good it is just everything else that lets down this course.
- Engaging and passionate, these lectures are always interesting. Good pace and structure to lectures.
- He has an intuitive mind that is nothing short of titillating to explore.
- No bulls**t! He obviously can tell the difference between someone who's genuinely stuck on a question and someone who hasn't even tried to figure it out for themselves. Has a lot of respect for the students which in turn gets reciprocated
- It's easy to understand what he's getting at in his explanations of the material.
- Very complex content however he has managed to get all the content across. Easy to follow and fully explains himself very well. Excellent lecturer.
- Very good lecturer, no complaints
- The lectures were presented very well.
- Entertaining as well as well taught. Enjoyable lectures are more engaging.
- Examples, organised derivations.

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9 - Please provide details of what you valued about this unit.

Response Rate	24/66 (36.36%)
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- I don't like and struggle with mechanics, and never took a mechanics module before this, and yet I really enjoy this module. Really interesting and not too difficult
- Very interesting content, presented in a very engrossing way.
- Examples in lectures & on the sheets are really interesting and well thought through. Teaching is great.
- I like how quick materials go up on his webpage, its very helpful. Also the example classes are very good
- Good structure, lots of examples.
- I enjoyed Matthias' teaching and it really made me enjoy the unit as a whole. Plus the podcasting is excellent for this course
- The teaching and interesting content
- Taking time to really derive our way through the course we we understood where everything came from and it's motivation
- The physical explanations of the maths involved and the diagrams gives a clearer, wider overview of the maths which helps to understand what's going on.
- have only put neither agree nor disagree for feedback and tutorials as I haven't been to tutorials or handed in any work so wouldn't I be able to judge
- Fun and teaching was interesting and engaging
- I thought this course was very well structured, very well taught and very interesting.
- Plenty of clear explanation with no unnecessary extras
- Challenging and quite interesting.
- Good explanation of new ideas
- Interesting content and really great example sheets.
- The one to one support he gave me was of paramount importance to my success in this unit.
- My first introduction to the Navier Stokes equations. I've been looking forward to this course since first year!
- Traction
- He is a brilliant lecturer. Engaging and a funny guy. I imagine he is the kind of guy I would go on a night out with and get absolutely trolleyed!!! What a Geezer!!!!
- Very good and interesting course. Possibly provide more examples in the example sheets
- The content is very interesting and it also helped my elasticity course unit
- Interesting and relevant real world mathematics.
- Excellent.

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10 - Please provide details of what you think could be improved on this unit.

Response Rate	22/66 (33.33%)
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- N/A
- Given we're finishing quite early, I think you could take a lecture or 2 to introduce some computational methods for those interested. Just an idea, really.
- I think some of the earlier examples sheets are a little short - I appreciate it's hard to find questions that are doable and insightful, but the more practice for us the better.
- I would have liked a coursework/midterm but understand Matthias' reasoning.
- N/A
- Not much could really be improved on this course
- Nothing that I can think of
- Maybe release more materials ahead of time
- Chapter numbers!!!!
- Maybe have a mock midterm on the course website for students to assess their understanding of the course better?
- Chapter numbering
- Online notes would be useful and a midterm would have been helpful.
- EVERYTHING ELSE. Badly organised - no headings or numbering of chapters, doesn't write in full sentences on board so hard to understand notes after lectures with no online notes that you can refer to to fill in gaps. Talks a lot but doesn't write a lot, hard to follow when he is explaining while you are writing. This problem is solved in other modules as you can read the lecture notes ahead of time so that you have a rough idea of what is going to be covered in lectures, obviously not possible in this course as no notes are supplied. Very good knowledgeable lecturer, let down but lack of feedback and resources.
- Some examples are a little more advanced than necessary.
- Another Matthias heil.
- Maybe handwriting and speed that you talk? Both pretty difficult things to do anything about at this point though! Basically beating a dead horse at this point.
- I think the printed notes should include all the theory including the derivations because it never changes and can just be typed up once.
- Label the notes. Can be hard to follow.
- Above^
- I would preferably like a coursework piece otherwise a great course unit.
- Nothing
- The example classes could be more effective, as examples can be finished off-class.