

COURSE ASSESSMENT REPORTS - My Specific Faculty Comments

Course: MATH 023 Differential Equations

Term: 202009 - Fall Term 2020

Instructor: Jan Glaubitz

Question: Comment on 1-3 things that the professor did well and should continue to do in the future:

1	Allowing students to ask questions and meet with him outside of class.
2	His lectures were amazing. I learned a ton!
3	I like that he tried to make himself extra relatable and funny with the students (even if it did not always work). I found it really endearing and nice that he made that extra attempt, when a lot of other professors do not try.
4	I like that they posted lecture slides and posted exactly what part of the textbook they were teaching, as well as having review sessions before exams. I also appreciated their homework grading policy.
5	I liked the breakout rooms that the professor did during class. I also thought that his lectures were very well-organized and the slides were very easy to follow along to.
6	Prof Glaubitz explains the concepts of the class very well and was a good lecturer in my opinion.
7	The group presentations were helpful to understand the topics.
8	The professor was really good at summarizing and reinforcing concepts at the end of the lecture. The professor was also really friendly and personable during lectures and helped retain student attention by telling jokes.
9	Very approachable and willing to help. His group assignment meetings were always helpful.
10	Very good pacing, clearly cares a lot about making sure students understand. I really appreciated that.
11	breakout rooms and bringing optimism

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Question: Comment on 1-3 things that the professor should focus on to improve their classroom effectiveness:

1	In the remote format it was difficult to absorb all of the writing on a slide before it switched.
2	It could be more helpful if the lecture slides were more comprehensible and included any drawings made during the lecture.
3	N/A
4	None
5	None, Professor Glaubitz is amazing!
6	Perhaps the professor could upload an annotated version of the slides after class for students since it's easy to make mistakes while copying from the screen.
7	Provide students with the resources to teach themselves the linear algebra concepts needed for the class, at the very least.
8	The breakout sessions were a little oddly timed. It didn't feel like they were very purposeful and the time allotted to them was either way too long or far too short.
9	more office hours understanding
10	n/a

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Question: Add any specific recommendations on how the professor is assessing the course work and giving feedback to students that you believe would be useful:

1	I don't really have any suggestions. The answer keys are detailed enough as is, so the feedback combined with that was very clear.
2	I think maybe greater feedback on the group work would be nice. 10 minutes is not really enough. Maybe in the future, the professor could spend more time and kind of give written feedback about the entire thing.
3	N/A
4	None!
5	None.
6	Not much. Although one could argue that webwork does not give much space for instructor feedback.
7	The tests were very fair
8	less lecturing
9	n/a

COURSE ASSESSMENT REPORTS - Non-Faculty Specific Comments

Course: MATH 023 Differential Equations
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Course Design and Effectiveness

Question Section	Comment on the aspects of the course that you think were most effective:
1	Excellent feedback to group assignments
2	Group work was very effective. The problems presented there were more theoretical, difficult, and interesting than the webwork, which was really boring and annoying honestly.
3	Homework and lectures were helpful.
4	I thought that having some of the class time be used for discussions to ask questions really increased the amount instructor access and was really effective.
5	Professor Glaubitz was very helpful and understanding in making this online experience work well. I enjoyed his lectures and discussion section very much
6	The group assignments helped a lot, as I got to ask other students for clarification on problems or lessons I didn't understand.
7	The homework assignments were helpful in reinforcing material. Also, the group projects were nice to have to write up problems.
8	The lectures. Professor Glaubitz is an amazing lecturer.
9	The sequence in which the course is taught is very intuitive, which has not been the case in other math courses. The pacing was also good. The assignments were very relevant to what we had done in class. I felt like they were effective preparation for tests.
10	There were plenty of opportunities to get help during office hours/TA hours which I really appreciated. I also liked how we could go to class lectures live or just watch them asynchronously depending on what worked best for our schedule.
11	Webworks were very useful
12	good course especially for math
13	office hours and breakout rooms

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Course Design and Effectiveness

Question Section	Comment on 1-3 aspects of the course that could be improved or enhanced:
1	I did not like the way that the course was organized with a different format of class each day and a different meeting time.
2	I think they could help a bit more with students who have never taken linear algebra. Linear algebra is not a pre-requisite for the course, but they seem to assume you've already taken it and simply say "open a book and teach yourself" if you don't know. I thought that was a bit unfair, and if they will continue this, then they should make linear algebra a pre-requisite for the course.
3	None
4	One aspect that could be improved upon is that sometimes I felt that the Webwork questions referenced concepts students might not necessarily know, and I had to research those concepts myself. Perhaps a review of the Webwork questions before the next term may be helpful.
5	Tests are slightly too difficult to complete in 2-3 hours
6	The class required minimal investment because all of the material could be learned asynchronously.
7	The lectures are not well paced. I think the professors are brilliant, but especially with the online format, they could improve their communication to the students. I'm a visual learner and I get super overloaded and confused with information when they show me a slide already full of equations; I want to see them worked out by hand on a clean whiteboard or slide with only 1-2 equations at the top and the rest left blank to whiteboarding. The exams focused too much on rote algebra in my opinion. I feel like I was being graded on my high school math skills rather than my actual understanding of differential equations.
8	The structure of lectures was a little confusing at first and did disadvantage students who happened to have a class at the same time as the other section. There were certain areas of the class which were assumed knowledge (some linear algebra beyond Math 13, partial fractions, and complex numbers). They aren't difficult topics but are not covered in pre-requisite classes or non-US high school curricula, so some resources to help learn about them would be useful. The past exams weren't correctly labelled and not all of them had answer keys, making them difficult to study from.
9	less lecture based
10	n/a

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Course Design and Effectiveness

Question Section	How did you contribute to your own learning experience?
1	I attended group meetings with my study group and did textbook and webwork problems and read the textbook,
2	I contributed to my own learning experience by looking up videos of concepts to reinforce my understanding of them.
3	I just studied as usual outside of class.
4	I made sure to go through all of the material and attempt to figure out any problems I did not understand the first time I went through them
5	I re-studied the problem sets in preparation for exams, attended lecture, and engaged in the group problems.
6	I went to TA hours when I couldn't figure out the homework on my own, or when I wanted a deeper understanding of the course material.
7	I went to office hours and watched the lectures.
8	Reading textbook outside class
9	Used the textbook and online resources to supplement lectures when I was not fully understanding concepts.
10	Watched online videos
11	office hours

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Course Design and Effectiveness

Question Section	What remote learning experiences worked particularly well for you in this course? In your response, please consider the various aspects of the course including lectures, labs, discussions, drills, and creative works.
1	Group assignments
2	Group assignments! Very fun, made new friends, helped me learn a lot
3	Group work was fun although it was a little difficult to get started with people initially.
4	Having the slides available on canvas was really useful. The zoom meetings to go over group problems were also pretty effective.
5	I liked the group assignments and the fact that lectures were recorded and slides were posted. It really allowed me to go back and review lessons with a lot of ease that I was not afforded before we started virtual classes.
6	I liked the zoom lectures because they were convenient and I could learn whenever was most convenient
7	The group assignments were a helpful way to meet with people to discuss class outside of class.
8	The live lectures were amazing
9	The remote testing worked out really well for me since I was able to take the test whenever my schedule allowed for it.
10	The wide availability of times for office hours and teaching schedule worked really well in this remote environment.
11	breakout rooms

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Course Design and Effectiveness

Question Section	What remote learning experiences did not work well for you in this course? In your response, please consider the various aspects of the course including lectures, labs, discussions, drills, and creative works.
1	n/a
2	Going to TA tutorials became impossible. It was very difficult to show my work to the TA and ask them questions while on the same call as several other people and ended up making the experience counterproductive.
3	Honestly, I can't really think of any remote learning experiences that did not work out well for me. The class seems to work better in a remote format.
4	I would encourage actual submitted written homework assignments instead of WebWork just because WebWork allows multiple tries so you do not need to put as much effort into it.
5	Lecturees but I already talked about that
6	N/A
7	None
8	Sometimes lectures would include breakout rooms but since some students had to watch the recorded versions, this was probably a little odd for them.
9	The different meeting times made it very difficult to keep track of the class and made it harder for me to organize myself during the duration of the course.
10	lectures
11	non stop lectures

COURSE ASSESSMENT REPORTS - Student Initiated Comments

Course: MATH 023 Differential Equations

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Instructor: **Jan Glaubitz**

Question: Comment on the methods of evaluation chosen by the instructor, e.g. tests, papers and examinations and the workload expected of students:

1	I looked back at past exams and strongly believe that the current exams given were much harder and included applications that I did not see in lectures or the textbook.
2	Tests were slightly difficult, but HW was very reasonable.
3	The majority of the grade was based on the three tests. The rest was accounted for by the web homework and the group homework. The workload was not too bad.
4	The tests seemed fair. I appreciated the increasing weight of the later assessments.
5	The tests were very fair
6	The volume of homework was very appropriate for the class. The first exam was took too long - it wasn't too difficult, but some of the questions were just very long-winded. The second and third exam were better.
7	They were good.
8	Typical math course method besides the group assignments which were useful
9	Webwork and suggested problems were effective and helped to study for tests.
10	tets and problem sets
11	workload is pretty light. I would hope that webwork problems are changed a bit to be a little easier on the algebra, and maybe more theoretical questions devoted to group time.

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Question: Comment on the structure of the class, for example the mix between lecture and discussion:

1	A lot of the class was lecture, but some time was dedicated to the group problem sets, which was helpful in ensuring we could discuss unclear concepts.
2	Good mix
3	Good.
4	It was mostly lecture, but I thought that was appropriate.
5	Live lectures were inaccessible to me due to timing, but from the recordings I could tell that the class was more lecture than discussion, being a math class.
6	Mostly lectures and some breakout rooms. I loved the class structure
7	The class was mostly lecture.
8	The course was lecture based and it was effective.
9	There was enough opportunity for discussion for those who wanted it.
10	lecture

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Question: How did this course influence your academic experience at Dartmouth?

1	Good
2	Good!
3	I enjoyed the course.
4	I liked the course and its applications to the real world.
5	I'm glad that the last math course that I take was better than the previous ones!
6	It helped me learn about Differential Equations.
7	Not in a particularly strong way. It just solidified my belief that professors here expect you to have an unfair amount of background knowledge which disproportionately harms poor fgli students.
8	Not sure. It was frankly kind of boring and not a great show in my opinion for applied math, but the content is interesting and I feel like I understand the world better.
9	This course enabled me to understand concepts better in classes that made heavy use of differential equations, like physics.
10	major