#### **COURSE ASSESSMENT SUMMARY - SINGLE COURSE**

Course: Section: MATH 136 Applied Mathematics II

202103 - Spring Term 2021 Jan Glaubitz Term:

Instructor:

**Total Enrollment:** Eligible to Complete Assessment: Completed Assessment: Did Not Complete Assessment: 6 6

## Individual Responses Student Background

Year at Dartmouth (5 Responses)	<u>1</u> 20%	<u>2</u> 0%	<u>3</u> 0%	<u>4</u> 0%	<u>5</u> 0%	<b>B.E.</b> 0%	Masters0%	<b>Ph.D.</b> 80%			
Reason(s) for taking course (5 Responses)	Distributive Requirement()	Major1	Minor <sub>0</sub>	<u>Professor</u> 0	Interest1	Masters/PhD Elective()	Masters/PhD Requirement4	Other 0			
Attendance in this course (4 Responses)	< <b>20%</b> 0%	<b>20-40%</b> 0%	<u>40-60%</u> 25%	<u>60-80%</u> 0%	<b>80-100%</b> 75%						
Expected Grade (5 Responses)	<u>A</u> 20%	<u>B</u> 0%	<u>C</u> 0%	<u><b>D</b></u> 0%	<u><b>E</b></u> 0%	<u>NRO</u> 0%	<u>CT</u> 0%	<u>NC</u> 0%	<u>LP</u> 0%	<u>P</u> 40%	<u>HP</u> 40%
Hrs/wk spent on coursework outside class (5 Responses)	< 10%	1-580%	5-100%	10-1520%	> 150%						

## Individual Responses Course Design and Effectiveness

I think the overall quality of the course was (5 Responses)  Median 2  Mean 1.6  Excellent 40%  Very Good  Good 0%  Fair 0%  Poor 0%  N/A 0%											
I think the overall quality of the course was (5 Responses)	Median2 (Very Good)	Mean 1.6 (Very Good)	Excellent40%	60%	<u>Good</u> 0%	<b><u>Fair</u>0%</b>	<u><b>Poor</b></u> 0%	<u>N/A</u> 0%			
<u>I learned a lot in the course.</u> (5 Responses)	Median2 (Agree)	Mean2 (Agree)	Strongly Agree 40%	<u>Agree</u> 40%	Neutral <sub>0</sub> %	Disagree 20%	Strongly Disagree0%	<u><b>N/A</b></u> 0%			
I put a great deal of effort into the course. (5 Responses)	2 (Agree)	2.2 (Agree)	40%	20%	20%	20%	0%	0%			
I was intellectually engaged in the course. (5 Responses)	2 (Agree)	1.8 (Agree)	40%	40%	20%	0%	0%	0%			
The objectives of the course were clear to me. (5 Responses)	1 (Strongly Agree)	1.6 (Agree)	60%	20%	20%	0%	0%	0%			
I found the course to be well organized (5 Responses)	1 (Strongly Agree)	1.2 (Strongly Agree)	80%	20%	0%	0%	0%	0%			
The assignments reinforced my understanding of the course material (5 Responses)	1 (Strongly Agree)	1.2 (Strongly Agree)	80%	20%	0%	0%	0%	0%			
Comment on the aspects of the course that you think were most effective: (3 Responses)	View Responses										
Comment on 1-3 aspects of the course that could be improved or enhanced: (1 Responses)	View Responses										
How did you contribute to your own learning experience? (0 Responses)	<u>View Responses</u>										
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. (2 Responses)	View Responses										
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. (0 Responses)	View Responses										

# Individual Responses Faculty (Jan Glaubitz)

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I think the overall effectiveness of the teaching was (5 Responses)	Median 1 (Excellent)	Mean 1.2 (Excellent)	Excellent80%	Very Good 20%	<u>Good</u> 0%	<u>Fair</u> 0%	<b><u>Poor</u></b> 0%	<u><b>N/A</b></u> 0%		
The professor set high standards (5 Responses)	Median2 (Agree)	Mean 1.6 (Agree)	Strongly Agree 40%	<u>Agree</u> 60%	Neutral0%	<u>Disagree</u> 0%	Strongly Disagree0%	<u><b>N/A</b></u> 0%		
The professor explained central concepts clearly (5 Responses)	1 (Strongly Agree)	1.4 (Strongly Agree)	60%	40%	0%	0%	0%	0%		
The professor challenged me to think critically about the course material (5 Responses)	2 (Agree)	1.6 (Agree)	40%	60%	0%	0%	0%	0%		
The professor was available for consultation outside of class (4 Responses)	1 (Strongly Agree)	1.3 (Strongly Agree)	75%	25%	0%	0%	0%	25%		
Comment on 1-3 things that the professor did well and should continue to do in the future: (2 Responses)	View Responses									
Comment on 1-3 things that the professor should focus on to improve their classroom effectiveness: (0 Responses)	View Responses									
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 Responses)	View Responses									

# Individual Responses Student Initiated Questions

	Comment on the methods of evaluation chosen by the instructor, e. g. tests, papers and examinations and the workload expected of students: (2 Responses)	View Responses								
	Comment on the structure of the class, for example the mix between lecture and discussion: (1 Responses)	View Responses								
	How did this course influence your academic experience at Dartmouth? (1 Responses)	<u>View</u> Responses								

#### **COURSE ASSESSMENT REPORTS - My Specific Faculty Comments**

Course: MATH 136 Applied Mathematics II

**Term:** 202103 - Spring Term 2021

Instructor: Jan Glaubitz

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

1 I appreciate how Professor Glaubitz would ask "what questions do people have" rather than "does anyone have questions".

2 In the group meetings and in the lecture, it was apparent that the professor really cared about the students and their understanding of the material. He managed to engage students in the lecture with breakout rooms and by asking questions.

Course: MATH 136 Applied Mathematics II

202103 - Spring Term

Term: 2021

Instructor: Jan Glaubitz

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 The professor gave very helpful and personal feedback in the group meetings that helped me to deepen my understanding of the topics.

#### **COURSE ASSESSMENT REPORTS - Non-Faculty Specific Comments**

Course: MATH 136 Applied Mathematics II Term: 202103 - Spring Term 2021

Instructor: Jan Glaubitz

**Course Design and Effectiveness** 

Comment on the aspects of the

course

Question Question:

that you think were most effective:

- 1 I enjoyed the group work aspect, it helped build community and foster understanding. The script was also very helpful to have beforehand.
- 2 I think that the flipped classroom concept was very good. The script by itself was very well written and the lecture was a good complement to deepen the understanding of the material. Handing in homework as a team was a very good experience (especially in these isolating times of COVID) and in combination with the group meetings with the professor seems very good for learning important soft skills.
- 3 I thought the course was well-organized, and liked the provided 'course script'.

Course: MATH 136 Applied Mathematics II
Term: 202103 - Spring Term 2021

Instructor: Jan Glaubitz

**Course Design and Effectiveness** 

on 1-3 aspects of the course

Comment

Question: that could

be improved or enhanced:

I thought the course was very well taught, but I don't think the content made sense as either a graduate or undergraduate course. For example, I felt the treatments of calculus of variations and functional analysis were too shallow for graduate students, but left the undergrads confused with new definitions and notation. As a graduate student, there was also significant overlap with other required/typical courses. PDE covered the fourier material and most of the phd students took functional analysis anyway.

Course: MATH 136 Applied Mathematics II
Term: 202103 - Spring Term 2021

Instructor: Jan Glaubitz

**Question Course Design and Effectiveness** 

Section

Question

Section

Question: What remote learning experiences worked particularly well for you in this course? In your response, please consider the various aspects of

lectures, labs, discussions, drills, and

the course including

6/28/2021 Non-Faculty Comments

> creative works.

I liked the single block lecture each week to cut down on Zoom time, and also thought the group homework assignments and weekly meeting with the professor were a great idea.

2 The flipped classroom concept worked very well. Moreover, working in teams helped to maintain connections to other students a lot.

Course: MATH 136 Applied Mathematics II Term: 202103 - Spring Term 2021

Instructor: Jan Glaubitz

Question

Section

**Course Specific Questions** 

on the aspects of the

Comment

Flipped Classroom

Question: style of that you

the course think were most

effective

- 1 | I appreciated working through examples in class, it was helpful to see live demonstrations of concepts I didn't get, and we didn't spend time on the easier material I could understand on my own.
- 2 The script was very well organized and easy to follow. The lecture helped deepen the understanding of the script by providing good examples and encouraging communication about the material in breakout rooms.

MATH 136 Applied Mathematics II

202103 - Spring Term 2021 Term:

Instructor: Jan Glaubitz

Question

Section

**Course Specific Questions** 

Comment on the aspects of the teambased

Question: homework

assignments that you think were most effective

- Especially during COVID, the team-based approach helped to maintain contact to other students. In my group, the workload was divided very fairly and I honestly enjoyed this term much more because of the weekly team-meetings. Also, communicating with other students about the assignments helped me understand the material better.
- 2 It was helpful to be able to discuss the more complicated questions / different approaches with other students.

MATH 136 Applied Mathematics II Course:

202103 - Spring Term 2021 Term:

Instructor: Jan Glaubitz

**Course Specific Questions** 

Comment on 1-3 aspects of the teambased

Question Question: Section

homework assignments that could be improved or enhanced

1 I didn't find the meetings to go over feedback very useful, the solutions were very helpful in this regard, so that time might have been spent better on more lecture time.

#### COURSE ASSESSMENT REPORTS - Student Initiated Comments

MATH 136 Applied Course:

Mathematics II

202103 - Spring Term Term:

2021

Question: Comment on the methods of evaluation chosen by the instructor, e.g. tests, papers Instructor: Jan Glaubitz

and examinations and the workload expected of students:

1 I enjoyed that pressure was taken off the homework by the concept of giving full homework credit for some proportion of the points. This helped me enjoy working on the homework more and encouraged me to try new ways of thinking about problems instead of always going the safest way to get points.

2 I liked how homework was graded, so there was less pressure to get everything "perfect".

MATH 136 Applied Course: Mathematics II

202103 - Spring Term 2021 Term:

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

Very good structure. Well-organized and explained script that was complemented by the lecture with good examples and team discussions.

MATH 136 Applied Mathematics II Course: 202103 - Spring Term 2021 Term:

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

This was the best course I took in Dartmouth so far. This course showed me again why I love math.