



# MATH 16200 41 - Honors Calculus II - Instructor(s): Andreas Stavrou

Project Title: **College Course Feedback - Winter 2024**

Number Enrolled: **20**

Number of Responses: **14**

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## Report Comments

Opinions expressed in these evaluations are those of students enrolled in the specific course and do not represent the University.

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Creation Date: **Thursday, March 28, 2024**

## What are the most important things that you learned in this course? Please reflect on the knowledge and skills you gained.

Comments
Formal definition of integrals and integration, Taylor polynomials, and sequences and series. Also more experience with proof-writing.
A continuation of the prior course – a rigorous, proof-based coverage of partitions, integrals, and Taylor Series, as well as some differential equations.
Rigorous integration, Upper and Lower Sums, Taylor Series, Special Functions (trigonometry, exponential), Sequences and Series, and $\pi$ is irrational.
We covered Darboux integration, applications of integrals, various integration techniques, Taylor polynomials, and infinite sequences.
Still just proof-based approaches to problems.
Proof of integrability by partition, construction of trigonometry, logarithms and exponentials, the fundamental theorems of calculus strategies for difficult integrals, Taylor polynomials, infinite sequences
Integration and sequences
Integrability, integration, upper and lower sums, Taylor series, and sequences.
Determination. The homework felt impervious until I looked at all possible angles of attack at times.
Focused primarily on proofs relating to integration, infinite series, and the irrationality of $\pi$ & $e$ + some techniques of integration.
Learning the theoretical basis of integrals, infinite sequences, the relationship between integrability and differentiation/continuity, proofs that numbers are irrational/transcendental, and the importance of care in ordering infinite sequences of objects.
Integrals, Taylor series and infinite sequences. Refined skills in problem solving and come up with proofs

## Describe how aspects of this course (lectures, discussions, labs, assignments, etc.) contributed to your learning.

Comments
Lectures are essential and comprise the main content of the course. Office hours are also very very helpful and on some weeks necessary. Both contributed to my understanding of the material.
Dr. Stavrou's lectures are, as always, excellent; he does a very good job of explaining the material in an easy-to-follow way, while being a very engaging teacher. He also provides great help during Office Hours to go over specific homework problems.
Lectures and assignments were very helpful.
Lectures were very well paced and informative. I learned everything I needed from lectures and only occasionally needed to consult the book for clarification. Psets are also really good for expanding on the results we proved in class and getting comfortable with each new topic.
Lectures were really helpful. Office hours helped support that.
office hours are my favorite time of the week; the lectures are a bit too fast but I blame that on the quarter system
Office hours are extremely useful.
The lectures were comprehensive and helpful
Lectures were pretty good. I mean, it's Andreas after all. I think my learning was enhanced when he undid his bun. Grinding psets and the book helped a lot.
The homeworks were tough as nails, midterm felt easy enough, final back to hard. Lectures felt mostly comprehensible.
The lectures were helpful when reinforced with the course's textbook, and office hours continue to be a great opportunity to work collaboratively on problems, get more comfortable at the blackboard, and ask questions about the material.
Lecture content and office hours were the main ways that I learned in this class; having breathing room to study the content before finals also helped coalesce some of the information together.
Lectures are clear and organised, office hours are very isefuk and definitely needed to do the problem sets

## Please respond to the following:

	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
This course challenged me intellectually.	4.92	5.00	0.00%	0.00%	0.00%	7.69%	92.31%
I understood the purpose of this course and what I was expected to gain from it.	5.00	5.00	0.00%	0.00%	0.00%	0.00%	100.00%
I understood the standards for success on assignments.	4.77	5.00	0.00%	0.00%	7.69%	7.69%	84.62%
Class time enhanced my ability to succeed in graded assignments.	4.85	5.00	0.00%	0.00%	0.00%	15.38%	84.62%
I received feedback on my performance that helped me improve my subsequent work.	4.54	5.00	0.00%	0.00%	7.69%	30.77%	61.54%
My work was evaluated fairly.	4.92	5.00	0.00%	0.00%	0.00%	7.69%	92.31%
I felt respected in this class.	5.00	5.00	0.00%	0.00%	0.00%	0.00%	100.00%
Overall, this was an excellent course.	4.92	5.00	0.00%	0.00%	0.00%	7.69%	92.31%

## Additional comments about the course:

Comments
Beware of how cool Andreas is. Also, the psets are pretty challenging. They take like 10–15 hours.
It's a difficult and time consuming course, but it is also very stimulating and the professor is very good

## I would recommend this course to:

	No	Yes
Highly-motivated and well-prepared students	0.00%	100.00%
Anyone interested in the topic	42.86%	57.14%

## Thinking about your time in the class, what aspect of the instructor's teaching contributed most to your learning?

Comments
Lectures were clear and well-organized. He explains concepts very well and gives good examples, and the proofs he does in class are almost always immediately understandable.
Lectures— Dr. Stavrou is a great lecturer, and was able to communicate concepts very well during class.
Very clear and explicit delivery of content.
Office hours were very helpful for getting one-on-one clarification of difficult concepts as well as being a space for group collaboration on the homework.
He explains things very clearly and is very open to questions.
Every second he spends not solving riddles at the expense of rushing through Taylor polynomials
Andreas was just very engaging in general. He also gave examples of concepts to help with our intuition and provided clear descriptions of what was expected.
The availability of the office hours helped the most, as they mainly were to help with the homework. But the exams were very similar to the homework, so it did double duty.
I would say office hours contributed the most to my learning. Andreas continues to be an excellent instructor—challenging but fair.
A lot of this class is self-paced — Prof. Stavrou's office hours are most helpful when you find the time to learn the content yourself beforehand and come in with questions. Office hours and lecture time were important avenues for me to learn and hear other individuals' questions.
Lectures were clear and had everything one needed to know, office hours were need to do the psets

## What could the instructor modify to help you learn more?

Comments
Nothing! I said previously it would be nice to have more opportunities to ask questions and I think that has been addressed.
The first 6 weeks of the course did feel fairly fast-paced compared to the much more relaxed pace following that; since our class has largely finished the examinable material with some time to spare, I would suggest redistributing the pace of the course in order to spend more time in the earlier parts of the course that felt rushed.
Fewer questions on exams, it's hard to answer all of them in the time limit.
Nothing – he is perfect as always!
Nothing. Professor Stavrou's teaching method is perfect.
Psets are definitely way above the average student level
Answers to psets afterwards.
Posting the solutions to the homeworks post collection.
If there were other textbooks or videos out there which discuss the subjects we go over in this class, linking to them would be helpful.
Some of the problem sets had a level of difficulty that felt a little overwhelming at times — I would sometimes begin as early as I could and still have to stay up late to finish. The class also goes at a very fast pace, and we finished earlier than expected with the content, so going a little slower would allow students to learn the content better.
Sometimes psets were veery long

## The Instructor . . .

	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	N/A
Organized the course clearly.	4.86	5.00	0.00%	0.00%	0.00%	14.29%	85.71%	0.00%
Presented lectures that enhanced your understanding.	4.86	5.00	0.00%	0.00%	0.00%	14.29%	85.71%	0.00%
Facilitated discussions that were engaging and useful.	4.92	5.00	0.00%	0.00%	0.00%	7.14%	85.71%	7.14%
Stimulated your interest in the core ideas of the course.	5.00	5.00	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%
Challenged you to learn.	5.00	5.00	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%
Helped you gain significant learning from the course content.	4.93	5.00	0.00%	0.00%	0.00%	7.14%	92.86%	0.00%
Was available and helpful outside of class.	5.00	5.00	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%
Motivated you to think independently.	4.86	5.00	0.00%	0.00%	0.00%	14.29%	85.71%	0.00%
Worked to create an inclusive and welcoming learning environment.	5.00	5.00	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%
Overall, this instructor made a significant contribution to your learning.	4.93	5.00	0.00%	0.00%	0.00%	7.14%	92.86%	0.00%

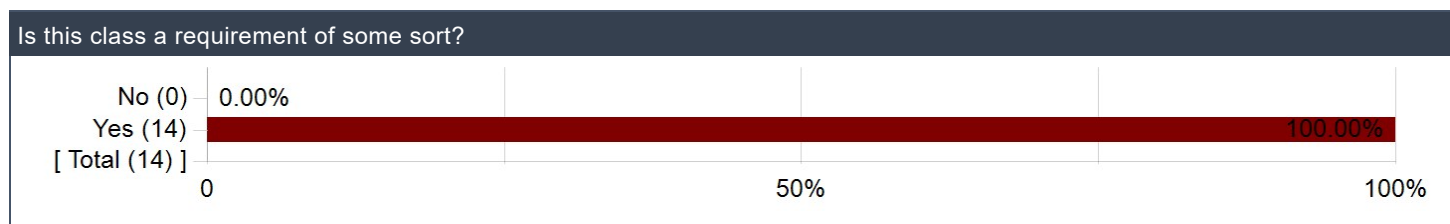
## The TA/CA or Intern. . .

	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	N/A
Facilitated discussions that supported your learning.	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Gave you useful feedback on your work.	5.00	5.00	0.00%	0.00%	0.00%	0.00%	50.00%	50.00%
Stimulated your interest in the core ideas of the class.	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Challenged you to learn.	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Helped you succeed in the class.	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Was available and helpful outside of class.	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Overall, this individual made a significant contribution to your learning.	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%

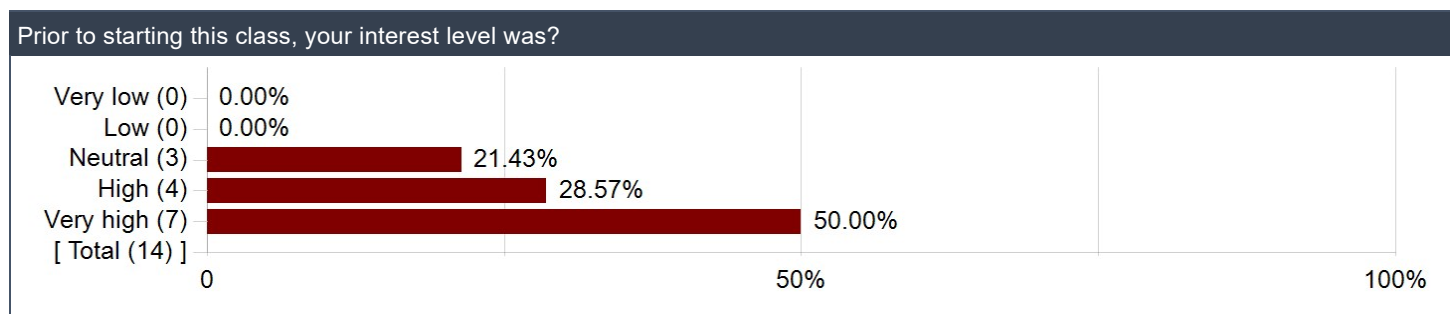
## How much did the following elements of the course contribute to your learning gains?

	Mean	Median	No Gain	A Little Gain	Moderate Gain	Good Gain	Great Gain	N/A
Laboratory Experience	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Field Trips	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Library Sessions	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Review Sessions	4.00	4.00	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%
Writing Seminars	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%

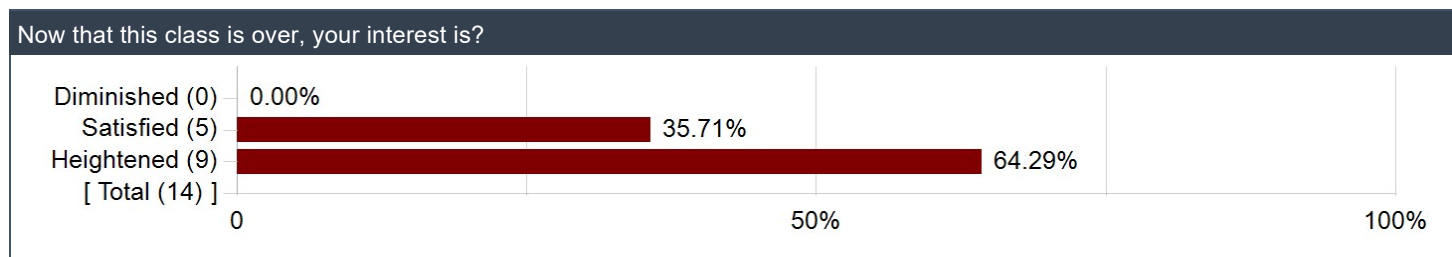
## Is this class a requirement of some sort?



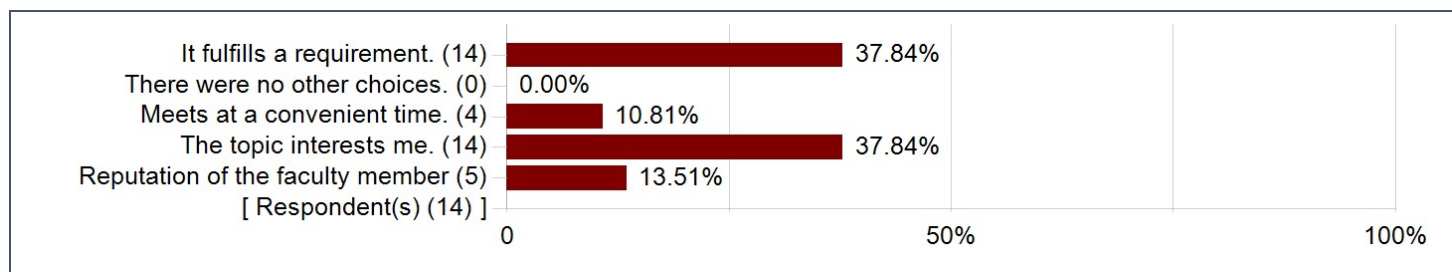
## Prior to starting this class, your interest level was?



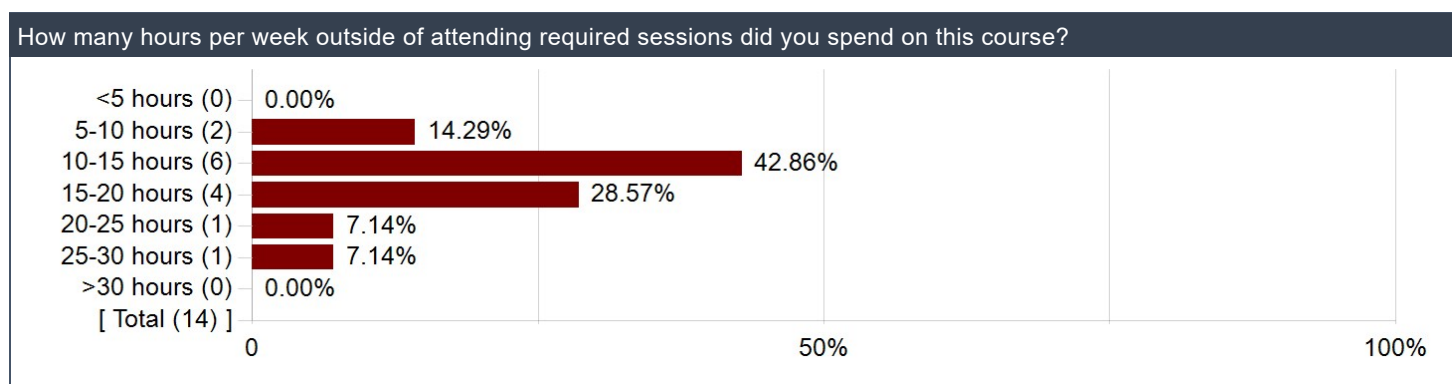
## Now that this class is over, your interest is?



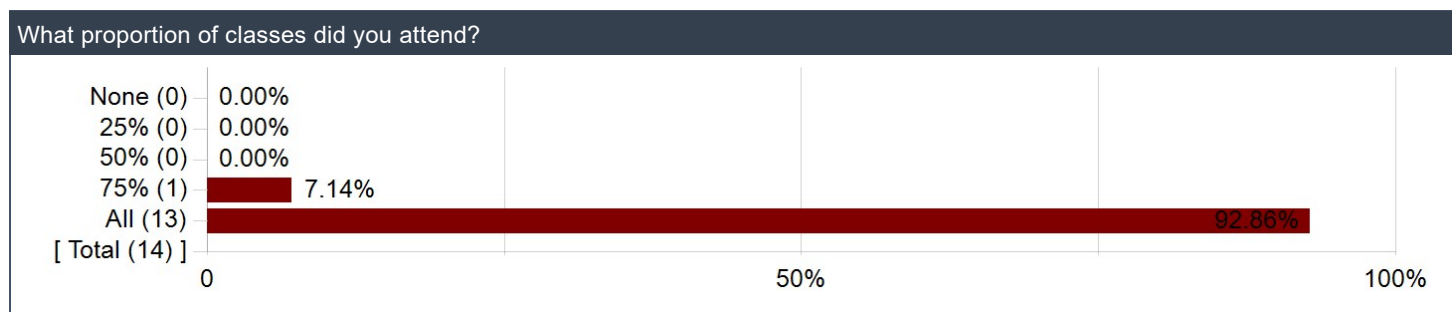
## Why did you choose to take this course? (Select all that apply)



## How many hours per week outside of attending required sessions did you spend on this course?



## What proportion of classes did you attend?



**Please comment on the level of difficulty of the course relative to your background and experience.**

Comments
Even after fall quarter, it is still quite difficult. The problem sets are always challenging, but manageable with a lot of time and effort (and office hours).
This course felt noticeably more difficult than the prior course in the sequence; part of this was owed to the somewhat faster pace I felt the first six weeks were handled at, combined with some of the problem sets containing incredibly difficult problems that consumed significant time. Some of the initial problem sets consumed far more time than anticipated and were significantly harder relative to our level than those of the prior quarter. Still, with enough time, they were doable. So, I would just warn that 16200 will be more time consuming than 16100, but it's still a great class I am glad to have taken.
Fairly difficult, but manageable.
Having taken 161, this course felt a bit easier just because I now knew what to expect going in. I didn't struggle nearly as much as I did fall quarter because now I was accustomed to the workload and difficulty of the problems I would be expected to do.
It's more intense compared to last quarter but also more enjoyable because we get to prove $e$ is transcendental by contradiction!
Difficult.
It was easier than I thought before and at the midterm, then it got as hard as I thought it would after it. So, overall, a tad more difficult.
This is a challenging course, but if you have completed the first course in the sequence, you should know what to expect and be able to manage just fine. It is not significantly more or less challenging than 16100.
Without proofs experience, you need to put in significantly more time and energy into this class. If you take other difficult classes, find a way so that you can still accommodate for the demand, as Prof. Stavrou's psets and lectures are both fast paced and demanding. Furthermore, self-review after lecture is also important especially for those without proofs experience.
Hard and time consuming, but if you like math and logic it is very good and stimulating and I would def recommend it. Prof Stavrou is great, friendly and helpful