

Spring 2019, MATH 1555 Calculus Life Sciences Section A1  
 Instructor: Mckean, Stephen (Primary)  
 Results rolled up with child course(s): MATH 1555 A2, MATH 1555 A3

There were: 64 possible respondents.

	Question Text	N	RR	Interpol. Median	0-3	3-6	6-9	9-12	12-15	15-18	18+	N/A
1	Student: Hours per week	59	92%		9	18	19	9	3	1	0	0
					<b>0-30</b>	<b>30-50</b>	<b>50-70</b>	<b>70-80</b>	<b>80-90</b>	<b>90-100</b>	<b>N/A</b>	
2	Student: Percent attendance	59	92%		2	0	4	9	13	31	0	
3	Student: Percent homework completion	59	92%		0	1	0	1	6	51	0	
					<b>5 Extremely Well</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Completely Unprep</b>	<b>N/A</b>		
5	Course: How prepared to take subject	58	91%	4.2	23	19	11	5	0	0		
					<b>5 Exceptional Amt</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Almost Nothing</b>	<b>N/A</b>		
6	Course: Amount learned	58	91%	4.6	32	20	5	1	0	0		
					<b>5 Exceptional</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Very Poor</b>	<b>N/A</b>		
7	Course: Assignments facilitated learning	58	91%	4.6	33	18	6	1	0	0		
8	Course: Assignments measured knowledge	58	91%	4.8	40	14	4	0	0	0		
					<b>5 Strongly Agree</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Strongly Disagree</b>	<b>N/A</b>		
9	Course: Overall effectiveness	57	89%	4.8	43	10	2	2	0	0		
					<b>5 Exceptional</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Very Poor</b>	<b>N/A</b>		
14	Instructor: Clarity	58	91%	5	53	4	1	0	0	0		
					<b>5 Strongly Agree</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Strongly Disagree</b>	<b>N/A</b>		
15	Instructor: Communicated how to succeed	58	91%	4.9	50	7	1	0	0	0		
					<b>5 Exceptional</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Very Poor</b>	<b>N/A</b>		
16	Instructor: Respect for students	58	91%	5	56	2	0	0	0	0		
					<b>5 Extremely Enthus</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Detached</b>	<b>N/A</b>		

17	Instructor: Enthusiasm	58	91%	5	53	5	0	0	0	0		
					<b>5 Made Me Eager</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Ruined Interest</b>	<b>N/A</b>		
18	Instructor: Stimulates interest	58	91%	4.7	38	17	3	0	0	0		
					<b>5 Highly Accessible</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Hard To Find</b>	<b>N/A</b>		
19	Instructor: Availability	58	91%	4.9	51	6	1	0	0	0		
					<b>5 Extremely Helpful</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Not Helpful</b>	<b>N/A</b>		
20	Instructor: Feedback helpfulness	57	89%	4.8	39	13	4	0	0	1		
					<b>5 Strongly Agree</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Strongly Disagree</b>	<b>N/A</b>		
21	Instructor: Overall effectiveness	58	91%	4.9	50	7	1	0	0	0		
					<b>Lab TA</b>	<b>Recitation TA</b>	<b>Grade / Test</b>	<b>Office Hours</b>	<b>Other</b>			
25	TA: Role (Cui)	20	91%		0	20	12	4	0			
25	TA: Role (Ly)	20	95%		0	20	10	8	0			
25	TA: Role (Chong)	18	86%		0	18	10	9	0			
					<b>5 Exceptional</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Very Poor</b>	<b>N/A</b>		
27	TA: Oral communication (Cui)	20	91%	2.7	1	2	9	5	3	0		
27	TA: Oral communication (Ly)	20	95%	4	4	13	2	1	0	0		
27	TA: Oral communication (Chong)	18	86%	4.9	14	3	1	0	0	0		
28	TA: Written communication (Cui)	20	91%	3.6	4	7	6	3	0	0		
28	TA: Written communication (Ly)	20	95%	4.3	8	10	2	0	0	0		
28	TA: Written communication (Chong)	18	86%	4.9	14	3	0	1	0	0		
					<b>5 Strongly Agree</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Strongly Disagree</b>	<b>N/A</b>		
29	TA: Explained concepts clearly (Cui)	20	91%	3.1	0	8	5	6	1	0		
29	TA: Explained concepts clearly (Ly)	20	95%	4.5	10	5	4	1	0	0		
29	TA: Explained concepts clearly (Chong)	18	86%	4.9	14	2	2	0	0	0		
30	TA: Concept familiarity (Cui)	20	91%	4.2	8	7	4	1	0	0		
30	TA: Concept familiarity (Ly)	20	95%	4.3	8	9	3	0	0	0		
30	TA: Concept familiarity (Chong)	18	86%	4.9	15	2	1	0	0	0		
					<b>5 Exceptional</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Very Poor</b>	<b>N/A</b>		

31	TA: Respect for students (Cui)	20	91%	4.5	10	5	3	2	0	0		
31	TA: Respect for students (Ly)	20	95%	4.8	14	5	1	0	0	0		
31	TA: Respect for students (Chong)	18	86%	4.9	15	3	0	0	0	0		
					<b>5 Extremely Enthus</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Detached</b>	<b>N/A</b>		
32	TA: Attitude about teaching (Cui)	20	91%	3.5	3	7	6	3	1	0		
32	TA: Attitude about teaching (Ly)	20	95%	4.2	8	7	3	2	0	0		
32	TA: Attitude about teaching (Chong)	18	86%	4.9	14	4	0	0	0	0		
					<b>5 Made Me Eager</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Ruined Interest</b>	<b>N/A</b>		
33	TA: Stimulated interest (Cui)	20	91%	2.9	3	2	8	3	3	1		
33	TA: Stimulated interest (Ly)	20	95%	3.8	4	8	7	1	0	0		
33	TA: Stimulated interest (Chong)	18	86%	4.5	9	6	3	0	0	0		
					<b>5 Strongly Agree</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Strongly Disagree</b>	<b>N/A</b>		
34	TA: Approachability (Cui)	20	91%	3.6	5	5	3	4	2	1		
34	TA: Approachability (Ly)	20	95%	4.8	14	5	0	1	0	0		
34	TA: Approachability (Chong)	18	86%	4.9	14	3	1	0	0	0		
					<b>5 Extremely Well</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Completely Unprep</b>	<b>N/A</b>		
35	TA: Preparedness (Cui)	20	91%	3.9	3	12	2	1	2	0		
35	TA: Preparedness (Ly)	20	95%	4.5	10	8	2	0	0	0		
35	TA: Preparedness (Chong)	18	86%	4.9	15	3	0	0	0	0		
					<b>5 Exceptional</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Very Poor</b>	<b>N/A</b>		
36	TA: Classroom management (Cui)	20	91%	3	2	5	6	5	2	0		
36	TA: Classroom management (Ly)	20	95%	4.4	9	7	4	0	0	0		
36	TA: Classroom management (Chong)	18	86%	4.9	14	2	2	0	0	0		
37	TA: Engaged students (Cui)	20	91%	2.8	2	4	6	6	2	0		
37	TA: Engaged students (Ly)	20	95%	4	4	11	3	2	0	0		
37	TA: Engaged students (Chong)	18	86%	4.8	12	5	1	0	0	0		
					<b>5 Strongly Agree</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1 Strongly Disagree</b>	<b>N/A</b>		
38	TA: Overall effectiveness (Cui)	20	91%	3.4	3	6	7	1	3	0		
38	TA: Overall effectiveness (Ly)	20	95%	4.4	9	8	3	0	0	0		

38	TA: Overall effectiveness (Chong)	18	86%	4.8	13	5	0	0	0	0		
					<b>Mid - 300</b>	<b>301- 6 Am</b>	<b>601- 9 Am</b>	<b>901- Noon</b>	<b>1201- 3 Pm</b>	<b>301- 6 Pm</b>	<b>601- 9 Pm</b>	<b>901- Mid</b>
	Time of day evaluation completed	58	91%		4	0	7	14	16	7	3	7
					<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>F</b>	<b>Other</b>		
	What was your grade?	58	91%		0	0	0	0	58	0		
					<b>1-3</b>	<b>4-6</b>	<b>7-9</b>	<b>10-12</b>	<b>13-15</b>	<b>16-18</b>	<b>19-21</b>	<b>22+</b>
	Classes this semester	59	92%		2	54	3	0	0	0	0	0

### Text Responses

#### Comments about student effort

The homework for the class and the amount of effort required for the course is what I expected from a math course.

N/a

n/a

I think the amount of work that I had to complete for this class was very appropriate.

Time put in was very much proportional to how well I did in the class.

N/A

The student effort required was around what I expected.

N/A

The effort for this class was the level of effort that I expected. At first I thought it was going to be an easy class since we were discussing things that I had learned during high school calculus but I then realized we were also learning new things as well.

Appropriate

A good amount of coursework and homework

Stephen made his office hours very available/you could make an appointment, so it was very helpful if you wanted to put in effort outside of class.

Very well done class. Exceptional lectures and plenty of practice problems. Expectations were very clearly marked.

I think the effort expected was appropriate for a 4 credit hour course

This course was more manageable than I thought when I signed up for it, so it was a pleasant surprise.

N/A

I went to most of the recitations but not all of the lectures.

n/a

I loved this course! I was not looking forward to it because I just barely got through Calc 1 and hated every second of it, but I found myself quickly loving this class! I think it had something to do with the instructor, Stephen!

I like the alternating quiz/homework schedule.

I think the hours I needed to put into this course were reasonable and allowed me to balance my time with it and other courses.

The class did a good job of measuring what I knew.

this class was a very refreshing. It is a great course set up. It indicates what we need to know, and how to do it. This class really allows for students to show what they have learned.

The amount of coursework necessary was what I expected.

The effort I put in was perfect for what I got in return.

The amount of time spent in class/for homework for the week makes sense for the course.

Work load was very well spaced out, with homework never due when we had a test or a quiz, which gave us time to study effectively.

### **Course best aspect**

Best aspects of this course were the instructor's clarity in teaching course material. The worksheets, homeworks, and tests also did a great job of accurately evaluating understanding about course concepts.

how lecture was structured (brief review at the beginning followed by lecture with ample examples) The pace of class was not too fast or slow.

HW

Quizzes not weekly

It focused on the math that was related to our majors.

The professor's energy and step by step teaching of each concept. It was a very efficient and organized way of teaching.

Tests were not tricky and actually tested what we were taught. Lectures were to the point and didn't drone on. No busy work, but actual assignments that helped prepare for exams.

The study guides helped a lot when it came to knowing how questions were going to look on the midterms. Same for the quizzes and homework. I like that they were all very consistent.

I think Stephen was a really good professor. He's very good at explaining complicated concepts with ease, and he's very easy to ask questions of.

This course was structured and taught very well, and really helped me to understand the material.

applications to real world

how cool Stephen was

The recitation worksheets were very helpful and I loved the fact that they were slightly harder than what a student would have seen on the test. Also, the lectures were actually fun and informational.

The best aspects were how understanding Professor Stephens was and the way he taught the material.

The professor was good at teaching

I liked how the homework and quizzes actually prepared you for the exam. So many times I'll be in a class where the homework questions are very tough, but you'll never see that type of question again.

The set up of this course and all the requirements like one week quiz one week homework was genius and helped a lot.

Professor was great and homework was helpful for understanding concepts

The best aspects of this class were the practice exams, which allowed me to determine how prepared/unprepared I was for the exam.

Honestly, the best math course I've ever taken. Everything was quiz- quizzes, homework, midterms. Stephen was amazing!

The course was great, I learned new things, the quizzes, homework, and tests were very fair, and there was a lot of opportunity for extra credit

Not too daunting. Concepts were carried throughout the chapters. LOVED the life sciences applications. Everyone is always complaining about wishing they would learn things that they'd actually use, and this was my first class -probably ever- to do that.

I think the lectures were very helpful; they were broken down in a logical order that made sense to young minds, and Stephen explained the applications very well.

The recitations and classes were coordinated and extremely helpful. Office hours were flexible and canvas announcement and piazza posts were done in anticipation of student needs. The tests didn't have any major surprises, and were fairly laid out.

Stephen was a great teacher

Great lectures- very clearly explained concepts, plenty of practice problems, and clear expectations.

The instructor was very helpful, the ways that lectures were set up with examples helped a lot as did the study guides, homework, and quizzes.

Stephen is very thorough and straightforward as a professor, and his teaching really made the course. The weekly homework assignments and quizzes were beneficial.

This course was "low-maintenance" which was really awesome. Also, this course showed the application of calculus into different biological systems, and I found that fascinating.

Clearly taught

Structured very well. Everything was planned out logically and what we were expected to know was articulated very well.

Stephen was the best aspect! He was a surprisingly amazing teacher!

The teacher was very engaging and helped me to understand the concepts better.

I enjoyed the material that was taught and thought it was taught very well and in simple terms.

The professor's teaching style and the way he assessed our understanding of the material.

I loved the connections that were made to biology. Especially at the end of class where we did special topics; those were amazing.

The practice test and recitation worksheets really allow people to learn more and get practice.

For a Georgia Tech math course, it was much easier than I anticipated, which was a pleasant surprise. However, we still learned a lot and had an appropriate amount of homework and quizzes. All assignments were very fair and reasonable.

It was very interesting to learn about how calculus can relate to life sciences.

Pacing was well done in the class. Nothing seemed too rushed and difficult concepts were well covered.

I liked how we could expect what was going to be on quizzes and tests instead something unexpected being dropped on us.

Stephen did a great job in creating tests that tested our knowledge but were not impossible. He did a great job of making sure we learned the material and understood it. The set up with homework one week followed by a quiz then another homework then a test was great! It really made me learn the material

The lectures and the homework/quizzes/tests were all well synchronized.

Learning about the applications to biology. It made the class enjoyable and feel like material we would actually use in our careers one day. Usually I hate math classes because they are too much math and not enough applications, but this struck a perfect balance.

Great linkage to actual biological concepts.

I really enjoyed the pace of the course. I never felt behind or struggling to catch up.

### **Course improvements**

The course itself could be improved by either improving the quality and resourcefulness of recitations, or by making recitations non-mandatory.

More interactions and class participation during recitation.

providing answers to recitation worksheets, homework, and tests

Spend more time on actual calculus.

N/a

I would say for the last midterm, give out either less time consuming problems or more time. I failed this test but got A's on the first two midterms and it was largely due to me feeling rushed.

Putting lecture slides online at least a day before the exam the info is covered on in case someone accidentally missed class.

If it were offered at a time other than 8:00 AM, I might have attended more of the classes. Schedule flexibility would have been really nice.

I understand how recitation is an incentive for the participation grade and to get more practice. However, I think it would be more beneficial if solutions were posted for the recitation worksheets. In general, the recitation worksheets are more difficult than the homework and are multi-part.

times available

N/A Great course

Recitation worksheets posted in files

N/a. I thoroughly enjoyed this course and would 10/10 recommend

None

This course be improved by maybe having fill in the blank notes available to print. This way students can fill in words as they go and have time to write out the examples. There is alot to write down in lecture and often not enough time to write it all. That at least was my experience.

I think it is good the way it is

Better recitation worksheets. Come be more useful.

I don't think there is anything in this course that can be improved, I believe that this course was exceptional

This course needs no improvements

Better office hour times

Test Corrections! Students can learn from their mistakes and never make them again

I understand that there was only one section. But 8:00 AM EVERY single day of the week? Maybe vary it up

Posting the slides earlier would be appreciated.

recitations were not effective for me personally

The class could be slightly faster paced to include more general calculus 2 material such as sequences and series.

Not at 8 am. I would've done more in recitation but I was so groggy in the morning I didn't participate as much as I could have.

This course was pretty maintainable-I would have liked for all of the answers to the practice exams to have been put up a day or two earlier so that way I had time to correct my mistakes and ask questions in-person if needed.

math-application activities

I wish the recitations were at 9 am, because getting up at 8 am every day was a little rough sometimes.

I thought this course was great!

I don't think it needs anymore improvements.

It might help to find ways to be more entertaining in class and keep it more engaging.

Not be at 8 am

More examples in class relevant to homework.

I think that maybe making some random attendance checks during lecture may improve class attendance. Overall though, this course was great.

I have no complaints at all.

This course was so excellent that almost nothing needs to be improved on. The tests could be a little more challenging, however.

NA

Sometimes the recitation worksheets would include concepts we hadn't gone over much yet in class, so they could be a little confusing at times.

Add some worksheet questions that are more alighted with the test in addition to the ones that are already. The worksheets are usually a way to push your knowledge farther than necessary for tests which I liked, but having some that are more aligned with the test would be helpful!

Tests could be made more in the scope of life science applications

Slides should be posted online.

Honestly, I think this course is great as is! No improvements needed

post and go over answers from homework and quizzes in class so we can know what we did wrong

### **Other comments about quality of course**

I wish I had just taken calc 2.

N/a

n/a

Stephen was a great instructor and made the course very easy and digestable.

N/a

No comments

N/A

N/A

A great course!



I think Stephen did an exceptional job across the course when it came to giving us examples about how the stuff we were learning could be applicable in our futures  
Awesome teacher!

no. I enjoyed the class thoroughly.

This was an awesome course.

n/a

none

N/A

I enjoyed this class a lot more than the other Calc 2 would have been.

This course was a high quality course. I enjoyed connecting math to what I am studying in my other classes.

This is an amazing class.

NA

N/A

None

I really enjoyed this class and I would encourage a lot of students to take it as well.

### Other overall comments

N/a

n/a

I really thought Stephen was a good teacher but the time made it hard to attend and pay the attention that he deserved.

N/A

N/a

I like the slides a lot! The slides are neat and easy to follow. if you write down the in class examples it makes the notes perfect for studying. I also found the recitation worksheets very helpful because it gave me access to a large problem bank.

No comments

Great class, actually felt like I learned so much every time I felt class. Mckean is an amazing professor.

N/A

N/A

N/A

I really enjoyed your class!

Awesome teacher! Very clear, accommodating, and enthusiastic about the class. Always available to meet for extra help in person or would quickly respond to emails.

Very good class

n/a

I loved this course, and I hate math!

Great class! I enjoyed the structure and the content.

N/A

I love this course.

Stephen is great.

Great professor, great material, overall enjoyed this course a lot.

Great course! I would very highly recommend it since it was just enough calculus necessary for a biology major.

NA

I don't generally like math courses, but this was probably the most enjoyable math class I've ever taken, especially since it related to my major. Thank you!

none

### **Instructor greatest strength**

The greatest strength was the instructor's clarity in presenting course material, ability to clearly explain concepts, and by accurately communicating what it would take to succeed in the course. The instructor was also very available for consultation and gave very detailed feedback when asked.

He was able to explain course materials in different ways if someone didn't understand something.

able to explain the material in different ways

Stephen is relatable, and I like that.

Understanding student needs

Stephen's ability to articulate explanations really helped with my comprehension. He was a very approachable professor and I never felt uncomfortable asking for help and attended office hours every week.

The teacher's communication skills are excellent!!! I learned to love math even though I have hated it my entire life.

He was able to make things seem very simple even if they were relatively complex. He broke down the material well.

Very clearly interested in the subject he taught and the wellbeing of his students. Super approachable and easy to sit down with to get help with anything you would struggle with.

Stephen took the time to explain examples in depth. I appreciated his dedication to that, and it really helped me to understand the concepts well.

Stephen explained the material very well, and his lectures were always very easy to follow. He was also great in office hours and before class.

Stephen's office hours were very flexible, and they were always helpful.

n/a

His approachability

Relating the information back to our majors and explaining the importance of the information.

His helpfulness and how interesting he made the material

Extra credit recovery

It was very easy to get in contact with Dr. Mckean if I had any questions.

The greatest strength was the style of teaching. Providing us with the material first and doing examples along with the class was very helpful to our learning.

Knows what he is talking about and cares about the student's success.

Ability to teach clearly

Stephen is honestly one of the best math professors I have ever had. He explains concepts very clearly, he also makes quirky jokes, and he is just so passionate about math, it's refreshing!

Great at explaining things, very understanding, easy to reach out to, overall a great professor, practice tests were AMAZINGLY helpful

Very knowledgeable. Really broke things down step by step. Wouldn't teach something new that required previous knowledge (such as something that required derivatives) without re-teaching that other stuff first. This was helpful because MATH 1551 was the worst class ever, and I still struggle with everything taught in that course.

Delivery of Lecture, did an amazing job explaining topics; prep for exams

Stephen taught and phrased concepts so that they were easy to follow and understand.

Stephen has been the best teacher that I have had in my STEM courses here at tech. I have taken calculus multiple times throughout these past few years, and he really does make things so simple to understand. He really made going to 8am lectures bearable, and I'm so grateful to have had him!

He was a great teacher and I feel like my questions were always answered and if not he was easy to find in his office

Amazing at all of the above boxes!!!

Very approachable and good at explaining things

I don't know where to begin. Stephen's lectures were engaging, thorough, and his enthusiasm was infectious, especially at 8 in the morning.

Stephen's greatest strength was being able to clearly communicate with the class about what was necessary to succeed-he was very clear in his lectures.

Great teaching style and enthusiasm

Tried to make everything that we learned interesting and applicable. Did lots of in-class examples as well as a supplemental powerpoint.

Stephen was a great instructor! One of the best math teachers I have ever had! I was surprised with how good he was at not only teaching the material but making it interesting!

He was very engaging to the class and helped us prepare for exams well.

I thought the material was taught well and when I had a question I knew I could just email to set up a time to meet.

Enthusiasm toward course and subject matter made class more interesting and engaging.

Communication and openness to helping the students out one on one.

Stephen's passion for math really makes students want to learn more about math. He is a great lecturer and is great at explaining. He's honestly made me love math and calc.

Stephen was very approachable, and this made it easy to ask for help. Also, Stephen was great at making you feel like you had the ability to understand even difficult concepts. No question was ever a dumb question.

Speedy responses

He explained every single topic with extreme clarity and worked through all the steps of a problem, so all the material was very easy to understand. He always made class very easy and engaging, which is beneficial for an 8 am course. He had so much enthusiasm for math that he made me want to learn more, and he always tried to find connections with life science.

Good at communicating what the material was about and how to approach it.

He was very approachable about any problems we may have.

He really cared for the students. He wanted us to learn and understand the material.

I like how Stephen understood that it was difficult to go to an 8 am class on a daily basis, and because of that, he often tried to lighten up the class/ was very easygoing. It made going to lecture much less difficult.

He was funny and engaging in lecture, seemed relatable and understanding in students' struggles, and did a good job at explaining concepts. Particularly, he spent a lot of time on the topics he knew would be more difficult, which I appreciated.

The teaching style was very helpful and he made sure we could understand every little bit of the practice problems. By explaining all the details and why they were necessary, I was able to remember to do them when working problems and understand the importance.

Professor Mckean is very approachable and personable. He is a clear and engaging lecturer and is dedicated and committed to his students.

Enthusiam

He was very accessible, I never struggled to find help.

### **Instructor improvements**

I think that this course could be exceptional, if the instructors and course planners put a little more time into hand-selecting TAs for the recitations. The recitation experience is essentially almost half of the entire course experience, and so if the student has a terrible time in recitation, it's very likely that the student would not enjoy the course in general. I believe that recitations (especially those at 8ams) should be a good review of the material presented in the course and also a time for students to ask questions that they've held from asking in lectures. This should be a time for students to get the help they need to succeed. I personally do not feel that this was the case with the recitation experience that I had in MATH1555.

providing answers to w/s,tests,and hw assignments

I know it's an 8am, but it would have been nice if he had posted the slides before lecture and offered worked out solutions for the practice exam. I understand the need to get people in class, but I feel like this hampered how I studied.

N/a

Nothing to improve in my opinion

Sometimes he would kind of explore really difficult examples that were beyond our class. That was cool but it was kind of hard to handle at 8 am.

n/a

N/A

N/A

N/a

More time on tests

Not going off on math tangents like a very long algebra problem that everyone can solve on their own.

I don't think there is anything that needs improvement. I thoroughly enjoyed being in his class and felt that he was an excellent teacher.

Post slides and answers/ explanations to practice tests

Stephen does not need improvements- he just needs to continue doing what he does.

The slide could have been better, it was hard to review concepts for tests because he teaches mostly from the board (maybe record lectures and post right before test?)

Homework assignments were a tad long. They were very applicable to what we were learning, but some were a little excessive.

N/A

n/a

nothing he is awesome

N/a

Honestly nothing

If Stephen could include more practice for students to complete earlier, it would have been good for the final.

n/a

Nothing.

No negatives! Only positives!

I don't think he needs any improvements

Could make it more entertaining just cause its so early in the morning.

Pace during some of classes--some steps in the math problems could be skipped, if these steps were simple and involved concepts already learned in previous years of math. This could leave room for extra or more difficult problems.

Slow down a bit for examples, make them a little bit easier to follow along.

Honestly, he is one of the best professors I have ever had.

I think that sometimes lecture could be a little slow or not as engaging. This most likely had a lot to do with the class being at 8am and my own state of mind, but I think maybe some more interactive times in lecture would help with the attendance and participation in lecture.

Posting the answers to HW and practice tests before the test so that we know if we are doing problems correctly.

I honestly can't think of anything that could be improved at the moment.

Become more familiarized with life science applications. I could he'd done research about applications and he regularly tried to relate it to biology and such, but most of the time he kind of just named the application and never really explored it.

Ask students if a secondary example of something is necessary for student understanding before going all the way through another problem since it can get slow during those times.

Maybe having part of office hours just for students who wanted to talk about grades or class absence, because there was never time for that during office hours.

### **Instructor other comments**

N/a

Stephen is a very approachable professor and I never felt uncomfortable asking for help and attended office hours every week. He is super willing to go out of his way to help his students, which is much appreciated.

Stephen made me feel confident again in my math abilities. After taking Math 1551 last semester and struggling, I did not think I would ever do well in or understand another math class here at Georgia Tech. I am now ready to move on the my remaining math classes, and I am SO GLAD I took this class (even though it was an 8am every day). THANK YOU!!

n/a

Great

N/a

N/A

none

Great class. Keep everything the same, learned so much.

N/A

N/A

Quality was very good; he was thorough and clear. He answered all questions and explained things very well.

Awesome class!!

Exceptional at teaching

n/a

I just wish this was the last math course I had to take, so I could end on a good note, enjoying math.

N/A

Excellent quality of teaching

I thought Stephen did an amazing job teaching us in his first class ever. I learned a lot, and he was very fun and approachable for questions. Thank you Stephen!

Stephen is easily the best professor at Georgia Tech that I have had. He made waking up for the class worth it since he was always so enthusiastic and clear about the material. If Stephen could teach all math courses at Georgia Tech, I would consider becoming a math major. He has high care and respect for all students, and he wants everyone to succeed.

NA

N/A

He was amazing and really sparked interest in the material. He set up the whole course before classes began so I always understood what was expected of me and what we had to do for the semester. The highly organized format he set up was SO SO helpful.

Great job! I had a lot of fun this year!

### **TA: Explanation of role**

Somewhat hard to understand. Wasn't always sure what the class schedule was

na

N/A

N/a

He did really well going over the material and attempting to keep everyone engaged.

### **TA: Greatest strength**

Effectively explained the course materials

Knew material

He was very good at leading me in the right direction for solving problems that I didn't know where to begin.

grading

Quickly and Efficiently solved the problems

Answered questions to best of his ability; knew material well

Super friendly. IF you asked for help, he would fully explain. If he was confused by your question, he would make sure to understand it. Additionally, Guangyu personally sent me ADDITIONAL practice problems after overhearing me in recitation saying that I needed more practice for an upcoming quiz. Lastly, he was super knowledgeable... like could graph things almost instantly and grade super fast; it was crazy

If ASKED, he could explained a topic very well

he seemed to know what he was doing

Always willing and available to answer questions

Grading

He wrote down the answers to the homework on the board and explained it the best he could

Guangyu really knew the course material. He was always prepared, and he could always answer our questions.

He provided answers and correct explanations to all of the practice problems with some clarity.

Wilson brought us doughnuts, and that was really cool of him.

Being available to ask questions during recitation.

Knew the material and answered any and all questions.

The greatest strength was explaining the concepts and how to apply them to the recitation worksheets.

Wilson cared about the students and actually made sure we knew what we were doing.

Very kind and helpful, encouraged everyone to talk

Informative

Wilson's greatest strength was being able to help us when we were going over answers when we got things wrong.

Patient and knowledgeable

Had good explanations for the problem.

Wilson is a good TA. He is good at explaining the worksheets and he is easy to ask questions to.

Approachable when asking for individual help.

How he could relate to students

Could explain problems in terms that students may understand better.

Wilson was also understanding of the fact that we had 8 ams every day, and he was kind to all of the students.

He was very good at math

Teaching material if we needed extra help on a topic.

Encouraging students to participate.

The Ta was always energetic and always tried to get our attention.

He tried very hard to get the recitation to respond and interact and reviewed the material thoroughly.

Cameron was really good at going through the recitation worksheets thoroughly and methodically. He was really good at explaining everything that we needed to know at the start of recitation, and that was really helpful. Sometimes when I skipped lecture, the recitations made up for the missed time due to Cameron's instruction.

Making sure that everyone was on the same page. He gave ample opportunities for people to ask questions and never rushed the learning process.

Cameron always had tips and tricks to help solve problems.

Cameron is very good at writing out and explaining examples of whatever you ask him to.

Cameron discussed alternative approaches to questions and was highly accessible for office hours.

Cameron was a great TA, probably the best I have had! Definitely the best in math! He was clear and good at explaining things!

He engaged class well even when no one would talk at all.

Ability to work with the class and keep everyone engaged

Cameron was very professional and prepared. He managed recitation very well.

Knew the material beyond just the basics and could answer in depth answers pretty well

### **TA: Improvements**

The most needed improvement for the TA was his communication skills and his leading of the class. As a TA, you need to be able to lead the class in examples, encourage participation, and invite questions from students. In my recitation, I did not feel that my TA did any of these. I understand that it was his first time as a TA and it might have been hard with other barriers regarding that; however, the TA was just not able to lead class discussion or lead class interactions at all. Most recitations, we were simply handed worksheets and told to work on them until time was up. Recitation should be an active review of concepts, and I do not feel that this MANDATORY recitation gave me any additional help in my attempts to learn course material.

Oral communication skills

explaining the material and providing answers to the recitation w/s

Command of the classroom

The TA's oral communication skills could be better. He was very soft spoken the entire semester and it was hard to hear him unless you directly approached him.

preparedness

Care and effort put into students during

More engagement with students

Guangyu was a little less vocal... While this is pretty important for a TA, he did improve throughout the semester. By the end, he was full on teaching the class though.

Communication; he would deliver answers and explain them, but if you wanted an in-depth explanation you had to ask.

He was sometimes late to tests and quizzes and rarely taught at all.

Better control of the classroom environment, speak up and explain concepts beyond putting worksheet answers on the board.

Didn't really explain things well

He was not the best at explaining problems or concepts

Sometimes I didn't completely understand the way he was explaining concepts, but I always eventually understood what he was doing. I would say just work on clarity in explanations.



It would be more professional if he came to recitation on time every day as he was usually several minutes late, even on testing days. Especially near the beginning, he was completely unaware of when homework was due and when tests and quizzes were held.

Guangyu seemed unprepared in many cases, and even asked us on multiple occasions if there was a test/ quiz that week. I also lost trust in his answers to the worksheets because there were clear and obvious errors in the first couple days which made him lose credibility. Therefore very little was gained from recitation.

Go over material from lecture more.

Getting the class more engaged, and being confident in his abilities as a TA.

Could explain better on some things.

I think a small improvement that could be made is speaking clearly because sometimes it sounded mumbled.

He can speak louder but that is not important

Potentially reading the situation, if people do not want to go up to the board, you can do it and ask people to help you out

Talked down to students and disinterested in engaging the class.

He was very good with everything and giving us time to work through the problems on our own before we tried them together as a group.

More enthusiasm and group engagement

Got frustrated when people did not want to participate. Maybe needed to try a different approach for in-class/recitation participation (i.e. specifically ask certain people to work out problems on the board)

He is unsure of his answers, which makes students unsure of this answers.

Covering material in class efficiently and ensuring students understand concepts.

Engaging students more in group discussion about work.

Sometimes he could speak a little louder, but that's it.

Recitations were pretty unengaging, we'd just show up and do worksheets and then talk about them.

Prepare a little more before class to be able to explain all problems.

I didn't understand some of the review of the concepts he did. I think it's cause I work by solving things in steps and Cameron just skips steps that must be written out in order for me to know they are there

8 am recitation is just kind of a pain

N/A

Nothing

I can't really think of anything. He was knowledgeable, accessible, and put a lot of effort into recitation.

Nothing! He was great!

don't make class so early.

Explain the problems in a manner that is easier to understand

Maybe having a better viewpoint on what we need to be prepared for exams.

**TA: General comments**

There needs to be better selection of TAs for this course.

N/a

n/a

Not my favorite TA, stopped having students sign in and counted me as absent when I was there a couple of times

N/A

Very smart and knowledgeable but should've been more vocal

He improved a lot as a TA throughout the course of the semester!

none

N/A

I loved having Guangyu as my TA, and he was very helpful.

Wilson is a cool guy, and tbh I wasn't the most attentive student in recitation.

Wilson was a good TA, and I wish him the best as he graduates and moves on to the next stage of his life.

Good TA, very very nice and cared a lot about the students.

Wilson was a great TA, I enjoyed having him as my TA this semester.

N/A

A nice and great TA

n/a

Awesome TA!

n/a

Wilson was a good TA! He explained the course concepts very well and made sure to let us know what was due.

Overall very effective TA

NA

Overall, Wilson was really good at explaining concepts and making sure we understood them.

Overall great!

One of the best TA's that I've had yet

Nope

Cameron clearly is very knowledgeable on this subject. I can't remember a time where he got tripped up or didn't know what to do.

none

One of the better TAs I've had

Very good TA overall