

EVALUATION: #1 (of 19)

Thank you for taking the time to provide feedback about your experience in this course. Teaching is highly valued at Amherst, and your reflections are an important part of our efforts to assess and improve our teaching. Please be thoughtful, fair, and honest. Your instructor will be able to view your responses only after final grades have been submitted, and to them your identity will be anonymous. As part of the reappointment, tenure, and promotion process, your responses will also be read by the president, provost and dean of the faculty, and other senior faculty, and to them your identity will not be anonymous.

PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|---------------|
| • Prepare for class | <i>often</i> |
| • Attend class | <i>often</i> |
| • Participate in class | <i>often</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>often</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

- *Scanning my schedule for the next two weeks and starting my assignment at an early enough time such that I have ample time to get help from fellow/office hours, and bounce solution ideas off of people*
- *Reaching out to my professor when I need extensions at a particularly busy week, or if I need extra help on homework questions*
- *Starting my exam the first day it is released so I can go to the professor if I have any questions*

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

- *The structure of the course was very helpful in building a narrative and connecting the different concepts in analysis. In particular, it helped me see the bigger of the contents in a way that stimulated my interest. I think this course does one of the best jobs at doing this.*
- *The professor's attitude and availability in and out of classroom also helped a lot. The professor has a very positive attitude interacting with students and responds to questions in a very non-judgemental way that invites students to want to ask even more questions.*

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

- *Developing rigorous mathematical proofs*
- *Synthesizing a solution pulling from multiple sources*
- *Confidence in my math skills*

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

Pace: very nice pace in the beginning of the semester. It definitely got a lot more faster and harder to manage towards the end. Part of it is due to the asynchronous format -- I found it hard to focus on the videos towards the end.

Presentation of information: The asynchronous format was challenging for me personally. I am a type of learner who does better with instant feedback and interactions. While the set up of the course with two discussion sessions per week helped a lot, I did not benefit as much as I wanted to because I would run out of time to go those (on top of watching all the lecture videos). I find that the amount of time I had to spend on class material to reach the same level of understanding was much longer in this asynchronous format.

Clarity of expectations: Extremely clear presentation of information and expectations. The professor is very good with communicating information and using different channels of communication including email and slack. The only point of improvement I would suggest is to have less changes to the syllabus during the semester. The change of class schedule/office hour/homework assignments makes it harder for students to plan their studies.

Assignments: The professor picked a very nice selection of homework questions and collaborative homework questions that were interesting to solve. One piece of feedback is to make sure the length of homework is more consistent. The professor is mostly very good at this except for the second to last homework piece. For that particular homework, while the number of questions was similar to other homeworks, each question involved many more subquestions that made that particular homework set take a much longer time to complete.

Activities/discussion: class content and delivery were impeccable. I really enjoyed the lectures and discussions. I think this professor has done a very good job in this aspect.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

I had multiple discussions with the professor in and out of the classroom. The professor was extremely engaged with the questions I ask and the ideas I bring up in class. Often times, the professor would even expand upon the questions/idea I bring up, and talk about wider topics in an interesting way that cultivated an extremely inclusive learning environment.

The professor was extremely available outside of class and I received feedback on my course work.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

I would highly recommend students to take class with this professor in the future. The professor delivered an extremely engaging, interesting class and his class encourages students to explore more about the topic. The few points for improvement mentioned earlier in this form (challenges with asynchronous format, more consistent workload for homework, fewer changes to assignments/set up) can be very easily fixed. I think the college would benefit immensely with the addition of this professor as a tenured professor.

EVALUATION: #2 (of 19)

Thank you for taking the time to provide feedback about your experience in this course. Teaching is highly valued at Amherst, and your reflections are an important part of our efforts to assess and improve our teaching. Please be thoughtful, fair, and honest. Your instructor will be able to view your responses only after final grades have been submitted, and to them your identity will be anonymous. As part of the reappointment, tenure, and promotion process, your responses will also be read by the president, provost and dean of the faculty, and other senior faculty, and to them your identity will not be anonymous.

PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|------------------|
| • Prepare for class | <i>sometimes</i> |
| • Attend class | <i>sometimes</i> |
| • Participate in class | <i>sometimes</i> |
| • Complete assignments | <i>sometimes</i> |
| • Meet with professor outside of class | <i>rarely</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

Doing The/Def sheets before watching lectures was helpful.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

The course posed a lot of interesting questions and introduced a rigorous approach to proofwriting that went beyond what the 200-level classes I've seen covered. The motivation behind each concept and question was clear.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

Proof writing, especially regarding the use of multiple quantifiers in definitions and arguments. Rigorous use of definitions and theorems.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

Like many, I would have by far preferred the in-person format to the virtual. Having said that, I also think that I would have preferred the synchronous Zoom lectures to the asynchronous videos. I found it completely impossible to be consistent with watching the videos (the first few weeks were manageable, but at one point I just fell off the wagon), which resulted in cramming the week leading up to the exams, and a relatively superficial understanding of the material. When I did stay on top of the schedule, it was extremely difficult to focus; the material is really dense. I honestly think that if the class had been synchronous online lectures that were recorded and shared afterwards, my semester would have been much, much better. Having to readjust my schedule to watch lectures at a time different from the "original" lecture time was extremely disorienting. Not going to class (by class I mean the sessions held at class time) made me feel guilty/bad, yet going to class felt awkward and not very useful when I was not up to date with the material. The system did not work for me.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

I attended a few in-person sessions, which were helpful for completing the homework. I already knew the professor, so I felt comfortable intervening and asking questions. The professor did a good job creating an inclusive environment. The professor also reached out checking in throughout the semester. I was fine with this, but I do know some people who felt called out or uncomfortable when addressed individually through email. Feedback on work was clear and thorough.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

I really appreciate the hard work the professor put in this semester to try to cater to everyone's needs. Unfortunately for me the asynchronous model did not work (I had already taken another Math class asynchronously and had a similarly difficult experience).

EVALUATION: #3 (of 19)

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PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|------------------|
| • Prepare for class | <i>always</i> |
| • Attend class | <i>always</i> |
| • Participate in class | <i>always</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>sometimes</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

Doing problem sets thoroughly is the most helpful way for me to learn/truly retain information.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado is always excited about what he is teaching, and adds extra "fun" information into all his lectures. He really encourages students to love the discipline.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

I practiced and strengthened my proof skills, and gained experience with a different type of proof (analysis proofs feel very different from algebra proofs). I also overall strengthened my clarity in proof writing.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

The pace of the course was good, neither too fast nor too slow. Information was presented in an engaging matter. Assignment expectations were always made very very clear which is great.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

I wish Professor Alvarado had been more understanding of a) the challenges of the pandemic, and the effect it had on students and b) of mental health concerns, and of the fact that mental health concerns and academic stress are not the same. Also, classes can be very intellectually challenging but still be flexible with deadlines, etc. when needed. I am a student who has tried very hard for four years to not let my mental health affect my ability to complete assignments, and for the first time, this year, I have been unable to do so. I felt upset and overwhelmed by the inflexibility of the course in giving me space to help myself. I also do not write this to be mean, since I did really enjoy this class, but just hope that in the future, the department can focus on making classes accommodating of people's needs.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

No response.

EVALUATION: #4 (of 19)

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PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|------------------|
| • Prepare for class | <i>rarely</i> |
| • Attend class | <i>always</i> |
| • Participate in class | <i>sometimes</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>sometimes</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

TA hours were, for me, the most effective way for improving my learning because I could get more personalized attention there.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

each new section of the course was framed with motivation and this was very helpful in shaping how I think about this course in conversation with all of mathematics. I enjoyed learning proof skills and feel confident approaching the rest of the mathematical field now.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

Proof writing

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

I think the pace of lectures was a bit faster than other mathematics courses, which are already very quick. Professor Alvarado was able to speak with precision and understand why a student asked the question they did. This, too me, is the most important quality in a teacher. Overall the course's expected a level of technicality and rigor, that made the communication of information easy.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

Professor Alvarado seemed very interested in the student's life and spent time in and out of the classroom fostering relationships with them. This made mathematical conversations less daunting because of the familiarity between student and teacher.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

EVALUATION: #5 (of 19)

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For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|---------------|
| • Prepare for class | <i>often</i> |
| • Attend class | <i>often</i> |
| • Participate in class | <i>often</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>often</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

Because Professor Alvarado built in a lot of components into the class that ensured the student stayed on top of the material (hw sets, theorem/definition sheets), I think simply sticking to the schedule he created for us was the most helpful thing. I also found going to office hours and TA hours extremely helpful.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado is a great lecturer, and he tried his best to engage the students (although this became more challenging once the classes became asynchronous) with questions and by sliding in interesting facts about the material that he was teaching.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

I gained a much deeper understanding of calculus, especially of things that I'd learned about and applied in the past, but with a limited understanding of the fundamental ways in which they operated. I also think my proof-writing skills improved a lot.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

The pace of the class could feel fast a lot of the times, especially once the class went asynchronous. The assignments could also feel like a lot, given the different parts (hw set, theorem/def sheet, and in the beginning, collaborative HW set).

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

Professor Alvarado was always keen to engage the students during the synchronous sessions and during office hours. I felt like I could always reach out with any questions/concerns about class, and it was clear that he cared about his students feeling as comfortable and confident as they could with the course material.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

No response.

EVALUATION: #6 (of 19)

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PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|------------------|
| • Prepare for class | <i>always</i> |
| • Attend class | <i>always</i> |
| • Participate in class | <i>sometimes</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>sometimes</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

Professor Alvarado required us to create sheets at the end of each week listing out all of the theorems and definitions that we covered in class, which particularly helped me on homework assignments and exams. I kept up with lecture videos, and always attended in person sessions. I went to the Q Center once a week for homework help/exam prep/conceptual questions, the TAs on Monday and Tuesday nights, and occasionally went to Friday office hours. I found that only by reviewing the material daily was I able to keep up with the intensity of the course.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado did an incredible job of breaking down complex topics into simpler, more manageable steps. In his lecture videos, he used a combination of visual, verbal, and symbolic perspectives to explain new concepts. I often found that every time I had a question, he would proceed to answer it in the video within the next 5 minutes! I think he made me a more confident proof writer by walking us through dozens of examples in lecture videos, which I was able to emulate on HW assignments and exams. I was nervous about keeping up with the pace of this

class, and while it was certainly very taxing, I developed a deeper appreciation for upper level math.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

I think the skill that I developed the most in Analysis was how to write proofs that were logically correct and mathematically rigorous. I particularly appreciated learning how to approach proofs, and enjoyed seeing "proof sketches" in lecture videos that allowed me to fill in the rest myself.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

As I mentioned above, having the theorem/definition sheets were particularly impactful for my understanding and learning in this course - I can't imagine how much harder it would've been to complete homework assignments and exams if I hadn't written out theorem/definition sheets. The pace of this course was fast, and I spent significantly longer than 50 minutes on lecture videos, so this course certainly took up a substantial amount of time.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

Prof. Alvarado was incredibly welcoming, and truly tried his hardest to make the course as approachable as possible for both remote students and in person students. He was always available to answer any questions in class or over email, and provided thorough feedback on exams. I appreciated having collaborative homework assignments as well at the beginning of the semester, which introduced me to other members in class who I didn't previously know.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

Analysis is a very difficult course to teach, especially during a very very challenging semester impacted by COVID, and I can't think of a better professor for the job than Prof. Alvarado. I appreciate all of the effort and energy that he poured into the course, and feel lucky to have taken a class with him.

EVALUATION: #7 (of 19)

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PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|---------------|
| • Prepare for class | <i>often</i> |
| • Attend class | <i>often</i> |
| • Participate in class | <i>always</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>often</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

Professor Alvarado took one of the hardest classes I've taken at Amherst and gave me all the tools I needed to succeed. Although going asynchronous he was able to produce so much content and extra help that I managed through the semester even though it was a struggle.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor never gave me an answer. When I did not know something he would ask me questions about what I did know until I was able to come to a conclusion myself. This is very helpful in my learning as a math student because if I was just given the answers I'd never be able to do it on my own.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

Proofs. Writing proofs is always something I've struggled with but this semester I was really able to get my proof writing down to a more sound proof.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

The pace was sometimes very fast, but there was so much to get through in such little time that it feels almost vital to be doing that. The presentation on One Note was very helpful although a little difficult to read at times.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

I had great interactions with Professor. He is very kind and genuinely cares about what is going on in your life. He would ask about other classes and extra curricular activities which is too kind. He was always around to chat or go to office hours with too.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

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For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|------------------|
| • Prepare for class | <i>sometimes</i> |
| • Attend class | <i>often</i> |
| • Participate in class | <i>sometimes</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>often</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

It was really helpful to take notes on the material before attending lectures, and then mainly listen and annotate my notes during class. I also found discussing problems with classmates to be the most effective way of learning material.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

He was always willing to delve into people's specific questions, which encouraged people to pursue their individual interests. He also led by example, discussing historical facts and applications that he thought were interesting.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

Aside from technical analysis concepts, I gained a deeper appreciation for the value of consistent work, such as by making theorem and definition sheets every week. Through analyzing detailed proofs, I also learned a lot about questioning small details in order to gain a more comprehensive understanding of concepts.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

I thought that the pace of the course was very manageable, although I personally had difficulty staying on top of the lecture videos once they became asynchronous. I also was very glad that the Professor adjusted so well throughout the semester. For example, when he realized that the number of different tasks was a bit overwhelming, he scrapped the collaborative homework assignments. Note that he was able to do this because he asked us for feedback on the course almost every week, both verbally and in written form on our homework assignments.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

The professor was very personally engaging throughout class, as well as before and after -- he made sure to always come 10 minutes early to chat and check in with people. During office hours he also did a great job of circulating the room and asking each individual if they had any questions. I was also very impressed by his willingness to take time out of his very busy schedule to talk with us -- for example when I had a question that we didn't resolve during office hours, he emailed me asking if I wanted to meet for an hour one-on-one outside of his official office hours.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

Professor Alvarado is hands down one of the most meticulous, rigorous, and engaging professors at Amherst. His passion and care for mathematics inspire me in my academic and personal life, and I'm very grateful to him!

EVALUATION: #9 (of 19)

Thank you for taking the time to provide feedback about your experience in this course. Teaching is highly valued at Amherst, and your reflections are an important part of our efforts to assess and improve our teaching. Please be thoughtful, fair, and honest. Your instructor will be able to view your responses only after final grades have been submitted, and to them your identity will be anonymous. As part of the reappointment, tenure, and promotion process, your responses will also be read by the president, provost and dean of the faculty, and other senior faculty, and to them your identity will not be anonymous.

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For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|---------------|
| • Prepare for class | <i>always</i> |
| • Attend class | <i>often</i> |
| • Participate in class | <i>often</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>always</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

Having access to the notes from each class was extremely beneficial for me.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado really did a great job of making sure I understood every detail. He was able to challenge me to fully understand every topic.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

The most significant skill that I gained in this course was the ability to persevere through problems. Working to start from the definition and building from there was an extremely valuable skill.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

The hardest part of the course was being asynchronous. I would have rather just been online and still synchronous.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

I went to office hours often to get extra explanations for the homework and for the lectures.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

Professor Alvarado is one of the kindest and best professors I have had here at Amherst!

EVALUATION: #10 (of 19)

Thank you for taking the time to provide feedback about your experience in this course. Teaching is highly valued at Amherst, and your reflections are an important part of our efforts to assess and improve our teaching. Please be thoughtful, fair, and honest. Your instructor will be able to view your responses only after final grades have been submitted, and to them your identity will be anonymous. As part of the reappointment, tenure, and promotion process, your responses will also be read by the president, provost and dean of the faculty, and other senior faculty, and to them your identity will not be anonymous.

PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|------------------|
| • Prepare for class | <i>always</i> |
| • Attend class | <i>sometimes</i> |
| • Participate in class | <i>often</i> |
| • Complete assignments | <i>often</i> |
| • Meet with professor outside of class | <i>sometimes</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

Watching the lectures even when I didn't feel too would have been super helpful, but I struggled a lot with that this semester.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado made the course super engaging and fun with how enthusiastic he was about even the smaller topics in analysis. In particular, his use of a story to guide us through analysis.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

It went really well, but it was super difficult to keep up with the asynchronous lectures, especially when I fell behind.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

I love Professor Alvarado! He was super engaging, responsive and helpful. He was also super understanding when I was struggling during the middle and end of the semester.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

No response.

EVALUATION: #11 (of 19)

Thank you for taking the time to provide feedback about your experience in this course. Teaching is highly valued at Amherst, and your reflections are an important part of our efforts to assess and improve our teaching. Please be thoughtful, fair, and honest. Your instructor will be able to view your responses only after final grades have been submitted, and to them your identity will be anonymous. As part of the reappointment, tenure, and promotion process, your responses will also be read by the president, provost and dean of the faculty, and other senior faculty, and to them your identity will not be anonymous.

PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|------------------|
| • Prepare for class | <i>sometimes</i> |
| • Attend class | <i>always</i> |
| • Participate in class | <i>often</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>rarely</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

The most effective contributor to my learning in this class was doing the problems assigned in problem sets in a timely manner. Completing these problems solidified my understanding of the content taught in lectures and set me up for success come exam time. Furthermore, completing the Theorem and Definition sheets was extremely helpful for my understanding of the concepts in class, and they were invaluable for completing problem sets and exams.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado's passion for the content he is teaching truly shines through, and it sharpened my interest for the course content being taught. I think the most significant teaching of this course is the takeaway Professor Alvarado shared in the last lecture - that we need to be the people that flip problems around and look at them from novel angles.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

I really enjoyed the type of thinking that goes into Analysis and developing proofs. Once again, as Professor Alvarado put it at the end of the lecture, it all really is about taking a problem, analyzing what you know and have as tools to solve it, and looking at it in a different direction to allow you to solve it. I developed my logical and problem solving skills, and feel more equipped to approach and solve a novel problem.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

The pace of the course felt perfect, until we had to make the switch to asynchronous learning. After that, the lectures felt very fast and I had a lot of trouble keeping up with the timeline for watching the videos. Furthermore, the content felt somewhat crammed towards the end of the semester, with some tough concepts being introduced in quick succession in the last few weeks. Overall, I believe my learning would have been much better in a synchronous scenario but I understand why that was not possible.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

Professor Alvarado was always extremely available outside class. Furthermore, it is astounding how he was able to create a feeling of community in the class even though we were in a mostly asynchronous format. I think that his energy and passion creates a friendly and collaborative environment for learning. Finally, Professor Alvarado went above and beyond by organizing class events, including a class hike. Overall, amazing job!

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

No response.

EVALUATION: #12 (of 19)

Thank you for taking the time to provide feedback about your experience in this course. Teaching is highly valued at Amherst, and your reflections are an important part of our efforts to assess and improve our teaching. Please be thoughtful, fair, and honest. Your instructor will be able to view your responses only after final grades have been submitted, and to them your identity will be anonymous. As part of the reappointment, tenure, and promotion process, your responses will also be read by the president, provost and dean of the faculty, and other senior faculty, and to them your identity will not be anonymous.

PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|---------------|
| • Prepare for class | <i>never</i> |
| • Attend class | <i>always</i> |
| • Participate in class | <i>rarely</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>rarely</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

For me, the most effective things for my learning were (1) writing down the theorems and definitions, and (2) doing homework problems.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

I found that reasoning in the way required for this course (using quantifiers, creating bounds, etc) is a very interesting way of thinking about things.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

I have further developed my reasoning skills. In particular, I improved my skills in laying out arguments and I learned how to work backwards from a goal to solve a problem.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

Good balance of pace, assignments, and clarity of expectations.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

Professor Alvarado is more engaged with his students, their questions and their ideas than any other professor I have had at this school. He is clearly doing everything in his power to be aware of students' needs and provide the best possible learning experience. I received more than one email from him throughout the semester checking in to see how I was doing, despite the fact that I was not clearly struggling with the course. I have never had a professor do this before.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

No response.

EVALUATION: #13 (of 19)

Thank you for taking the time to provide feedback about your experience in this course. Teaching is highly valued at Amherst, and your reflections are an important part of our efforts to assess and improve our teaching. Please be thoughtful, fair, and honest. Your instructor will be able to view your responses only after final grades have been submitted, and to them your identity will be anonymous. As part of the reappointment, tenure, and promotion process, your responses will also be read by the president, provost and dean of the faculty, and other senior faculty, and to them your identity will not be anonymous.

PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|------------------|
| • Prepare for class | <i>often</i> |
| • Attend class | <i>always</i> |
| • Participate in class | <i>always</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>sometimes</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

It was very beneficial for me to attend the in-person class/office hours sessions. This was a helpful outlet for asking questions and completing homework assignments. It was also beneficial to watch the lecture videos, complete the theorem-definition sheets, and work collaboratively with my classmates.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado did an excellent job planning out the course. Analysis is a very difficult subject, and I really appreciated the organization of the class. He is an amazing professor, and the course really told a story. The material is challenging, but he found ways to make it interesting and classes exciting.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

I have tremendously improved my ability to write proofs thanks to this class and Professor Alvarado. I have a much deeper understanding of the Calculus I have previously learned, thanks to the rigorous proofs we did. I also got better at communicating careful arguments and problem-solving.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

There is a lot of material to cover in this class, but I think Professor Alvarado did a great job with the overall design of the course. The pace was slower at first and accelerated as the semester went on, which was appropriate given the need to cement the initial material on bounds/sequences/series to build a strong foundation. The problem sets were very difficult, but there was a lot of support available and a lot of learning occurred during their completion.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

One of Professor Alvarado's greatest strengths is his engagement with students. He is incredibly friendly and receptive to questions. He cared so deeply about this class, and spent countless hours listening to student feedback and restructuring the class in order to create the most equitable learning environment. He even took the in-person students on a hike at our request.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

I was scared to take this class, but got a lot from it. It was one of my favorite classes I've taken, even in spite of the remote conditions.

EVALUATION: #14 (of 19)

Thank you for taking the time to provide feedback about your experience in this course. Teaching is highly valued at Amherst, and your reflections are an important part of our efforts to assess and improve our teaching. Please be thoughtful, fair, and honest. Your instructor will be able to view your responses only after final grades have been submitted, and to them your identity will be anonymous. As part of the reappointment, tenure, and promotion process, your responses will also be read by the president, provost and dean of the faculty, and other senior faculty, and to them your identity will not be anonymous.

PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|------------------|
| • Prepare for class | <i>often</i> |
| • Attend class | <i>sometimes</i> |
| • Participate in class | <i>sometimes</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>sometimes</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

I think that the homework questions really touch on the techniques and theorems that we learn. It is always delightful to work on a problem set!

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

I think that Prof. Alvarado does a really good job tying together the fundamental concepts in analysis/assumptions of real numbers at each point in the course.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

Definitely the flexibility in epsilon delta proofs, which I think encourages a lot of creative thinking. Furthermore, it has been very interesting learning about how certain conditions reduce a definition to another. I find that really insightful.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

I think that assignments and exams were on point, in that it is engaging and interesting. I think that Prof. Alvarado makes himself very accessible, both personally and educationally. Even though the COVID situation impacted the initial plans/structure of the course. I believe it turned out positively and I see that all my peers have a very friendly relation with one another/the professor.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

Professor Alvarado makes a true effort to check in with me, especially considering my professional plans and thesis work. The professor was also very eager to supply food for thought (for analysis) whenever I find myself needing more on the topics at hand. I think that early on, it became very obvious to me that Prof. Alvarado is not just intent on teaching interestingly and engagingly, but is actively invested in problems of equity and inclusivity in the classroom. This observation has made me really appreciate the Professor's effort and teaching style.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

No response.

EVALUATION: #15 (of 19)

Thank you for taking the time to provide feedback about your experience in this course. Teaching is highly valued at Amherst, and your reflections are an important part of our efforts to assess and improve our teaching. Please be thoughtful, fair, and honest. Your instructor will be able to view your responses only after final grades have been submitted, and to them your identity will be anonymous. As part of the reappointment, tenure, and promotion process, your responses will also be read by the president, provost and dean of the faculty, and other senior faculty, and to them your identity will not be anonymous.

PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|---------------|
| • Prepare for class | <i>often</i> |
| • Attend class | <i>often</i> |
| • Participate in class | <i>often</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>often</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

Going to Professor Alvarado's office hours, as well as going to the TA hours every week was incredibly helpful. This allowed me to ask specific, targeted questions about my individual approaches to tackling the problem sets each week, and allowed me to be confident in my proofs after I talked with Professor Alvarado/TAs. Additionally, Professor Alvarado's guidance to fill out the Theorem/Definition sheets each week was effective because it forced me to concisely summarize the course content for that week.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

This course provided a foundation that built up the math knowledge I had gathered over the past several years starting with just a few key axioms. I really enjoyed watching everything be shaped out of those idea. Professor Alvarado was enthusiastic and knowledgeable about the subject matter, and he always chimed in with background information on the mathematician who first discovered a certain result, or with some type of application that a certain theory relates too. This was really cool to see how theoretical math is so ingrained around us.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

The most significant skillset I have taken away from this class is the ability to tackle difficult problems, and build up strong arguments defending my ideas. I particularly enjoyed grappling with proofs that require I break down a problem into the most basic definitions, and then build up a more complex result using these definitions and relevant theorems. I now understand why this course is called analysis-- it really tests and develops my analytical skills in order to reach meaningful conclusions from basic definitions.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

Professor Alvarado was incredibly clear about his expectations and he sent out weekly update emails to adjust the flow of the course based on student needs. This significantly reduced my stress levels while ensuring I was still learning the course material. The pace felt fast, but necessary, as we covered a ton of material in just a few months. This all made my learning go smoothly, particularly Professor Alvarado's efforts to proactively clarify directions, answer student questions, and address the individual needs of his students.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

I regularly attended the "live lectures" ~ office hours of this course to ask questions and work on problem sets with Professor Alvarado. He was always eager and enthusiastic to teach the material and just to simply engage with us students during this strange semester. He always asked each student who showed up how they were doing/feeling, and asked each individual what questions they had. He quickly responded to emails, and he made it clear he was always very available outside class to further help students.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

I would highly recommend Professor Alvarado as a math professor to my classmates, and I strongly believe he should have the option to continue teaching here as long as he pleases.

EVALUATION: #16 (of 19)

Thank you for taking the time to provide feedback about your experience in this course. Teaching is highly valued at Amherst, and your reflections are an important part of our efforts to assess and improve our teaching. Please be thoughtful, fair, and honest. Your instructor will be able to view your responses only after final grades have been submitted, and to them your identity will be anonymous. As part of the reappointment, tenure, and promotion process, your responses will also be read by the president, provost and dean of the faculty, and other senior faculty, and to them your identity will not be anonymous.

PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|------------------|
| • Prepare for class | <i>sometimes</i> |
| • Attend class | <i>often</i> |
| • Participate in class | <i>rarely</i> |
| • Complete assignments | <i>often</i> |
| • Meet with professor outside of class | <i>sometimes</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

Switching formats to accommodate the remote students and allow for a fair way of learning between remote and on-campus students.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

Starting the first day of class explaining what this class was going to prove and slowly building everything we need until the last day of class we are finally able to finish what we started.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

Strengthen my proving techniques.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

The pace and presentation of the course was as good as it could be being remote. Having office hours during our scheduled class times was very nice as we are always able to attend if we want.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

He was always available to meet outside of class and was always open to questions. Also, he was always open to suggestions to make the class easier and less stressful.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

Professor Alvarado is a great professor!!!

EVALUATION: #17 (of 19)

Thank you for taking the time to provide feedback about your experience in this course. Teaching is highly valued at Amherst, and your reflections are an important part of our efforts to assess and improve our teaching. Please be thoughtful, fair, and honest. Your instructor will be able to view your responses only after final grades have been submitted, and to them your identity will be anonymous. As part of the reappointment, tenure, and promotion process, your responses will also be read by the president, provost and dean of the faculty, and other senior faculty, and to them your identity will not be anonymous.

PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|------------------|
| • Prepare for class | <i>always</i> |
| • Attend class | <i>often</i> |
| • Participate in class | <i>often</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>sometimes</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

Staying up to date on materials so that I can ask Professor Alvarado questions in our synchronous sessions. The homeworks were great as well as they pushed us to understand the material deeply.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

I really enjoyed this course. Professor Alvarado is one of, if not the best, math professor I've had at Amherst. He is so engaging and passionate about the material and really goes out of his way to make sure everyone understands everything. I particularly enjoyed the format of the proofs in the course, such as using the epsilon delta technique. It was very different than anything else I experienced thus far and I enjoyed seeing how proofs that we take for granted are done rigorously.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

Proof writing and understanding the level of rigor needed in formal mathematics proofs. The proof writing skills I've gained pushed me since I haven't seen proofs of this type and I enjoyed understanding how they worked.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

The course was structured incredibly well. Professor Alvarado switched us to a hybrid format after the first few weeks and I thought it worked great. It gave us the chance to meet in very small groups with him and get his undivided attention for an hour, which was very helpful.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

Professor Alvarado was incredibly engaging and always available outside of class. The several times I emailed him questions about homework and exams, he responded almost always within the hour and often times much sooner. It is clear he is passionate about the material and teaching and I would love to take another course with him.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

No response.

EVALUATION: #18 (of 19)

Thank you for taking the time to provide feedback about your experience in this course. Teaching is highly valued at Amherst, and your reflections are an important part of our efforts to assess and improve our teaching. Please be thoughtful, fair, and honest. Your instructor will be able to view your responses only after final grades have been submitted, and to them your identity will be anonymous. As part of the reappointment, tenure, and promotion process, your responses will also be read by the president, provost and dean of the faculty, and other senior faculty, and to them your identity will not be anonymous.

PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|---------------|
| • Prepare for class | <i>always</i> |
| • Attend class | <i>always</i> |
| • Participate in class | <i>often</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>often</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

Professor Alvarado was faced with a very difficult predicament this semester and I think he handled it the best he could. The most important thing he did to help my learning was to be available any time to meet with me anytime I was struggling or had a question.

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado's great enthusiasm for mathematics is contagious. He presents every new concept as a story and always provides context which makes each thing we learn feel important and relevant. He is the first professor I've had who made theoretical math feel relevant and exciting.

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

Professor Alvarado pushed me to work hard to understand difficult material and struggle to solve complex concepts on my own. He empowered me to believe that I can solve anything as long as I put my mind to it, but sometimes it's acceptable and necessary to ask for help. I learned when to differentiate those situations.

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

I think Professor Alvarado maintained an excellent pace of teaching the material, something I've often struggled with in the math department. His expectations are extremely clear and he only required us to complete very relevant and helpful assignments. I truly appreciate the thoughtful nature of Professor Alvarado and his class. It was very important to my learning.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

Professor Alvarado is a delight to interact with. His enthusiasm for the material makes class extraordinarily engaging and he always puts in just as much effort as his students. He makes it clear that he genuinely cares about the learning and wellbeing of all of his students and it was a pleasure to get to know him. I wish that I could take another class with him simply to get to interact with him more!

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

Professor Alvarado is amazing! I would recommend that every math student at Amherst takes a class with him because it was an exception even through Covid.

EVALUATION: #19 (of 19)

Thank you for taking the time to provide feedback about your experience in this course. Teaching is highly valued at Amherst, and your reflections are an important part of our efforts to assess and improve our teaching. Please be thoughtful, fair, and honest. Your instructor will be able to view your responses only after final grades have been submitted, and to them your identity will be anonymous. As part of the reappointment, tenure, and promotion process, your responses will also be read by the president, provost and dean of the faculty, and other senior faculty, and to them your identity will not be anonymous.

PLEASE NOTE: Use the TAB key or your mouse to move between questions; the Enter / Return key will submit the webform.

For the questions below, please evaluation your own commitment to and effort exerted in the course.

1. How often did you:

- | | |
|--|---------------|
| • Prepare for class | <i>always</i> |
| • Attend class | <i>always</i> |
| • Participate in class | <i>always</i> |
| • Complete assignments | <i>always</i> |
| • Meet with professor outside of class | <i>often</i> |

2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this course:

Going to office hours and asking a lot of questions to clarify material from videos, meeting with the Q center for help on the homework, emailing / meeting with Prof. Alvarado for help on homework / exams

The following questions ask you to reflect upon the ways the course and instructor helped you to develop your thinking, skills, and abilities. Please provide specific details to support your reflections.

3. In what ways did this course and instructor stimulate or shape your intellectual interests, thinking, and/or imagination?

I continued to improve my proof writing and analytical thinking skills, worked on scheduling and time management since we had to be on top of lecture videos, getting myself to go to class office hours every time which gave me a schedule to work by

4. Please describe the most significant skills and/or knowledge that you gained or further developed during this course:

proof writing, time management, seeking help, being okay with not fully understanding material, asking questions

The following questions ask you to reflect on how the course structure and your instructor's teaching affected your learning in the course. Please provide specific details to support your feedback.

5. Considering the overall design of the course, how did the pace, presentation of information, clarity of expectations, assignments, activities, and/or discussions in the course impact your learning?

The pace was definitely fast. We had 4 lecture videos to watch a week, so it was a lot of material covered over the course of the week, but I think having 2 class times dedicated to office hours really helped in my learning so even though the lectures were not live, I was still able to ask the questions I needed and clarify material I didn't understand after the videos. I think the expectations were very clear and the assignments, while long and challenging, were manageable with help from the professor or the Q center.

6. Please describe the nature of your interactions with the instructor in the course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside of class, and the feedback you received on your coursework.

Prof. Alvarado was as involved as he could be in an asynchronous course. He definitely showed that he cared about our well being and wanted us to take as much away from the course as we could be if it were a normal, in person class. He respected my questions and challenges throughout the course and cultured an inclusive learning environment for everyone. He was always checking in on students in live office hours as well.

Please use this space to provide any additional comments you have about this course and/or instructor.

8. Additional comments:

Even though remote learning has been extremely difficult for the past year, Prof. Alvarado definitely made the class as engaging as he could despite the circumstances.