EVALUATION: TEMPLATE

Name:

Class Year: Major: Eval #: Eval ID:

Time Entered:

IP Address:

UID:

Username:

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
 - Attend class
 - Participate in class
 - Complete assignments
 - Meet with professor outside of class
- 2. Using specific examples, please briefly describe what you did that was particularly effective for improving your learning in this 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, an/or imagination?
- 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?
- 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.

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

7. Additional comments:

EVALUATION: #1 (of 22)

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

1. How often did you:

•	Prepare for class	often
•	Attend class	often
•	Participate in class	always
•	Complete assignments	always
•	Meet with professor outside of class	always

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

When I'd write down notes in class, I tried not to write everything. Rather, I would leave empty spaces between points, which would force me to later look online, read everything again, and then fill in where I had left the blanks. The process of going over what was said in class was really useful in assuring my understanding of the material. I re-write theorems, definitions, and proofs offered in class, because writing helps me process the topics.

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, an/or imagination?

This course was very challenging. It motivated me to think very critically when writing up homework solutions and take care of little details when finishing up proofs. It made me realize that I like a challenge (even if in the moment it makes me want to put my head through a wall) and the feeling when I come to a solution.

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

I've learned to always check my answers with someone else. Even when I come up with a solution that seems sound, I need to confirm with someone else that it is correct. Perhaps that doesn't say the best about my self-confidence, but in terms of skills that I can take out of the classroom, it means that I am not scared to share my thoughts and doubts, and that I'm not the sort of person to think they're right all the time.

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's unfortunate that the pace of this course needs to be structured so rigorously in order to assure it covers the topics that are likely to appear on the comprehensive exam. Overall, the presentation of the information, the expectations for the course, the assignments and everything else was incredibly clear and put-together. Professor Alvarado did an superb job at that! I only wish we could have afforded to slow down throughout some points of the semester because there were some areas that I felt we covered only superficially that are really cool and fun to learn about.

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 really brings the energy to this Math class! He was always very enthusiastic, which always makes it easier on students for when it comes time to approaching these complex topics. He is also very attentive in class to students' questions and would make sure to frequently stop to make room for people to interject their doubts or confusion. I really appreciate him as a professor and was happy to have him for this class.

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

7. Additional comments:

EVALUATION: #2 (of 22)

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

1. How often did you:

•	Prepare for class	often
•	Attend class	always
•	Participate in class	never
•	Complete assignments	always
•	Meet with professor outside of class	rarely

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

Doing all of the homework

Coming by the math fellow hours

The theorem and definition sheets were very useful if a bit annoying in their strict due date

The web of analysis could have been more useful if we did it more often and for every topic liked the ones we did

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, an/or imagination?

I liked the fun game of epsilon delta proofs and figuring out how to pick certain numbers to fit the definitions of the various math objects

Professor Alvarado cared a lot about the material that he taught and I think that his enthusiasm spread to me even if I felt tired and dejected for whatever reason on a particular day

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

Getting better at doing complex proofs and fitting together seemingly disparate theorems and definitions to come to a new result

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 got very hurried by the end

I don't know how useful spending time on general proofs and induction and so on was very earl in the course was. Maybe for others but it wasn't really for me

I liked how the course built on itself and how many similarities there were between the different topics (e.g. the many sequential characterizations)

Presentation of information was very clear and delivered in a way that was easy to understand

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 didn't really go to office hours. I just started the semester not going to them and by the end of the semester when I wanted to go to office hours I felt that I had already set a precedent and that I shouldn't go

Feedback kind of stopped halfway through the semester because the graders started giving all my homeworks 100% even though sometimes I did not finish a problem or I felt that my work may have been wrong. The graders gave no feedback not very helpful

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

7. Additional comments:

EVALUATION: #3 (of 22)

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

1. How often did you:

•	Prepare for class	often
•	Attend class	often
•	Participate in class	sometimes
•	Complete assignments	always
•	Meet with professor outside of class	often

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

I would go to office hours and he'd further explain the concept at hand.

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, an/or imagination?

Alvarado was always passionate whenever he taught, so that honestly allowed me to be more engaged when taking notes and listening to his lectures.

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

Proof writing, and thinking more structurally.

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 rapid, and there was a lot going on, but it was manageable truthfully.

He is easily one of my favorite professors that I've had since I've been here. He truly cares about what he is teaching and all of his students. He's available, he's willing to help, and he's just one of the best professors I've encountered.

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

7. Additional comments:

I wanted him to be my team's academic liaison! I wanted my team to know how amazing Alvarado is!

EVALUATION: #4 (of 22)

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

1. How often did you:

•	Prepare for class	often
•	Attend class	often
•	Participate in class	often
•	Complete assignments	always
•	Meet with professor outside of class	sometimes

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

Having a comprehensive understanding of all theorems and definitions and understanding how they worked together

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, an/or imagination?

He was extremely enthusiastic in class and would occasionally bring in topics that were relevant to class but not particularly covered in course material and go over this with us

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

Proof writing 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?

The class was fast paced but only felt slightly hectic during the end when we had missed classes due to snow days and needed to cover all the material

Prof. Alvarado made it easy to participate in class and was receptive and helpful with all classes. He also made himself extremely available in office hours. I received detailed feedback on my work

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

7. Additional comments:

It was a very difficult class but extremely rewarding to gain an understanding of many of the topics. Overall I enjoyed the class because of the instructor and how helpful he was.

EVALUATION: #5 (of 22)

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

1. How often did you:

•	Prepare for class	often
•	Attend class	always
•	Participate in class	sometimes
•	Complete assignments	always
•	Meet with professor outside of class	often

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

TA hours, office hours, hw 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, an/or imagination?

I think my proof writing has developed a lot in this course. I realize that the more I write proofs in this class, I am growing more aware of how to be clear about my argument.

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

Clear proof writing, manipulation of theorems and 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?

I loved the organization of the class structure. However, once those snow days hit, the class derailed from its usual structure and organization. Although the printed notes were helpful, everything was very rushed, the lecture seemed panicked, and I don't feel as though I have nearly the same grasp on the concepts as I did with the material learned earlier in the semester.

The professor was so lovely with student interaction and encouragement. It was very clear to the students that he truly cared about our well being. Office hours were accessible, but crowded at times. I think at times I felt personally bad for being part of a very quiet class because I knew the professor was trying his best to encourage us to ask questions or participate.

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

7. Additional comments:

I truly enjoyed analysis, in terms of the engagement with the material and professor. However, I really think that the snow days affected the material a lot. The teaching style was just very rushed and panicked. I understand that time was a huge factor. But, I think it really affected my understanding of the material in class. This combination of midterm and final on the last day is stressful, and I feel as though I only have one chance to show that I understand the material in midterm 3. We don't have time to review what we didn't understand from the exam and apply it to our final.

I really appreciated the instructor's time in office hours and his willingness to get to know students on a personal level instead of just an academic basis. It was clear that he supports us and our extracurriculars. He was very generous and understanding.

EVALUATION: #6 (of 22)

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

1. How often did you:

•	Prepare for class	sometimes
•	Attend class	always
•	Participate in class	often
•	Complete assignments	always
•	Meet with professor outside of class	often

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

Office hours were helpful to learning the 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, an/or imagination?

Alvarado did a great job at pushing his students to stretch their understanding and knowledge of theoretical math.

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

I developed my proof writing skills in this class. I also improved my critical thinking 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?

Alvarado thoroughly explained all the information and was very clear with expectations. The material in this class is naturally difficult, but he did a good job at simplifying it so that students could understand.

Professor Alvarado always had contagious energy and enthusiasm. He was welcome to all questions and even pushed students to ask questions when the class was lethargic. He made sure that no question felt like a dumb question.

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

7. Additional comments:

I think that professor Alvardo is a great professor. He works hard and cares deeply about his students. His enthusiasm for math is contagious and it made lectures entertaining. He did a great job at getting the material across to students and I would recommend his classes to other students.

EVALUATION: #7 (of 22)

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

1. How often did you:

•	Prepare for class	always
•	Attend class	always
•	Participate in class	rarely
•	Complete assignments	always
•	Meet with professor outside of class	often

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

I went to TA hours very often, I attended office hours, I reviewed the theorem sheets.

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, an/or imagination?

This course helped me construct more concise and detail oriented proofs.

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

Using definitions to drive me proofs, I got better at identifying which theorems to use based on question wording, and I developed a better understanding of material studied in calculus.

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 was very good, information was clear and detailed, assignments were very clear and I enjoyed using gradescope.

Professor Alvarado was helpful and welcoming during office hours, and feedback on my work was clear.

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

7. Additional comments:

EVALUATION: #8 (of 22)

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

1. How often did you:

•	Prepare for class	often
•	Attend class	always
•	Participate in class	sometimes
•	Complete assignments	always
•	Meet with professor outside of class	always

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

I believe that attending office hours, TA hours and fellow hours was very important for my success. I also utilized peers in the class to work together outside of class and during structured math help times.

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, an/or imagination?

Professor Alvarado was absolutely phenomenal in his teaching and care for his students. He did everything possible to ensure our success.

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

I developed a more rigorous understanding of Real Analysis and learned to think more abstractly about how to formulate proofs.

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 the class was a bit rushed at the end.

Professor Alvarado was extremely helpful outside of class. He was totally willing to meet with me individually to go over areas of confusion.

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

7. Additional comments:

I think that it would be helpful to have answer keys to the practice tests!

EVALUATION: #9 (of 22)

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

1. How often did you:

•	Prepare for class	often
•	Attend class	often
•	Participate in class	often
•	Complete assignments	often
•	Meet with professor outside of class	often

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

I regularly made review sheets that compared various definitions and concepts that may be easily confused (for example: continuity, uniform continuity, etc). I also frequently rewrote the lecture notes several times to absorb the material better.

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, an/or imagination?

Prof Alvarado took great care in selecting which questions to assign for homework. He often selected questions that would help students get initial exposure to new concepts prior to discussing them in-depth in future lectures. He also frequently asked students to participate in working through the examples in class.

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

I developed a better sense of how to structure my proofs, especially how to structure them in a way that makes sense given the order of quantifiers in 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?

I really enjoyed the well-thought out structure and presentation of the course material. However, I think that at the start of the course we spent too much time reviewing basic proof techniques, which took away from the time we had left at the end of the semester to cover very dense and difficult material.

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 readily available outside of class and willing to stay a couple minutes after lectures to answer any individual questions.

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

7. Additional comments:

EVALUATION: #10 (of 22)

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

1. How often did you:

•	Prepare for class	always
•	Attend class	always
•	Participate in class	often
•	Complete assignments	always
•	Meet with professor outside of class	always

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

I would re-read what we did in class as well as go to tons of office hours.

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, an/or imagination?

The course was very interesting as we learnt things about the calculus we had studied in earlier classes. The instructor made the course veery engaging.

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

I developed my proof-writing abilities and learnt a lot about the topic of analysis

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 enjoyed the class. The Theorem definition sheets, online course notebook and maps made the course work easier.

The professor is very approachable and I would always go to office hours. He is enthusiastic about the course material and is engaged in helping us do better.

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

7. Additional comments:

EVALUATION: #11 (of 22)

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

1. How often did you:

•	Prepare for class	often
•	Attend class	always
•	Participate in class	rarely
•	Complete assignments	always
•	Meet with professor outside of class	always

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 every chance that I got was very helpful in improving my learning in this course. Professor Alvorado's office hours were a very supportive and relaxed environment where I felt comfortable going to ask questions and work through homework assignments with other people. The material in this course can be very delicate and difficult at times and my biggest "ahha" moments were always in office hours working through the material with other students as Professor Alvorado guided our thinking.

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, an/or imagination?

One of the best parts about this course was the fact that there was not one right way to approach a problem or write a proof (although there was often a simpliest or most straight-forward way to do it). Professor Alvorado would always encourage us to think creatively about how we might want to approach each problem and encouraged us to follow our gut instinct at first ti reason out how one approach could work but how another approach might be better. This self-directed learning was really beneficial in improving not only our understanding of analysis but also our skills in proof writing in general.

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

The most important things I learned from this course was to be a critical thinker and to embrace the complete confusion that was a part of the learning process of this material. A lot of the topics we discussed had detailed and delicate definions and theorems that were difficult to synthesize at first and often created a lot of confusion in the beginning. This class taught be how to embrace

this confusion and use it to direct my next steps that would allow me to better understand the material we were learning.

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 moved fairly quickly during the lectures but going to office hours allowed us to work more slowly through the information which I thought was useful. There is a lot of material that we need to cover for the comprehensive exam so the pace of the lecture is designed to allow us to do that. I thought the homework assignments were created in a very thoughtful way that not only pushed us to look at the material we were learning at that moment but that also set up results that we would later be discussing. I thought this set-up of assignments was really clever and helpful in tying in connections later on in the course. Finally, Professor Alvorado had us complete webs of all of the theorems and definitions that we learned for a partuclar topic so that we would be forced to go through the notes very carefully and make connections between what results were connected and helpful in proving other results. I thought this was a very beneficial assignment because it really required you to reread all of the definitions, theorems and proofs to find the main ideas within each one.

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 Alvorado is one of the most dedicated and engaging Professors that I have ever had at Amherst. He cares not only about your performance in the class and your understanding of the information but also about your dedication to the material and your life outside of the class. He always checks in about what is going on with you outside of class and offers words of support or actual support (such as attendance at sporting events) if he can. He is also not afriad to call you out if you are not putting in the time or the energy that you need to in order to fully engage with this course. I think his teaching style keeps people excited and interested in the class but also holds people accountable for doing everything they need to do to succeed. This has been my favorite math class at Amherst so far and the one that I have performed the best in so far and I believe that is all the result of Professor Alvorado's expectations and dedication to helping us learn.

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

7. Additional comments:

EVALUATION: #12 (of 22)

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

1. How often did you:

•	Prepare for class	rarely
•	Attend class	always
•	Participate in class	sometimes
•	Complete assignments	always
•	Meet with professor outside of class	sometimes

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

The amount of preparatory material given by the instructor including notes and practice exams was very helpful in solidifying my knowledge of certain topics.

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, an/or imagination?

The lectures were excellently done and were thoroughly prepared, which helped me understand the more complicated topics in the course relatively easily. Overall, I really enjoyed how the material was presented.

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

The most significant skill I gained was an improved mentality and method to problem solving. I developed the ability to think about hard problems for extended periods of time and ultimately come up with a 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 presentation of information was excellent, but I thought that the pace could have been a bit faster in the beginning and slower towards the end. The problem sets were great, as each problem was picked for a very clear reason, so I felt motivated to spend a decent amount of thought on my 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 instructor was very kind and open to questions. Towards the end of the course when we lost two class days because of the snow, he took extra time to make intensive review materials for the topics we missed, which was extremely helpful, as they were some of the most important topics covered in the class.

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

7. Additional comments:

EVALUATION: #13 (of 22)

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

1. How often did you:

•	Prepare for class	often
•	Attend class	always
•	Participate in class	often
•	Complete assignments	always
•	Meet with professor outside of class	sometimes

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

Very good lecturer, online notes are great

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, an/or imagination?

Alvarado is a very friendly and hyper guy that makes the material interesting and fun; perhaps relating analysis to other applied material could motivate more interest

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

reading and writing complex proofs

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?

nice pace, everything was expressed clearly

friendly, office hours are extremely busy so I tended not to go; have to wait a while before questions can be answered and some students are constantly hogging the limited time in office hours. However, the professor does try to make sure to get to everyone but sometimes there are students who are inconsiderate of Alvarado's effort to get to everyone's question

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

7. Additional comments:

I found Ryan's proofs very wordy and made it more difficult to comprehend. There were times throughout the semester when the professor would be confused with his proof, and given the already complex material, make it hard to follow what is happening in class (this happened very infrequently though). Overall very happy with the semester and Professor Alvarado is really great and nice.

EVALUATION: #14 (of 22)

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

1. How often did you:

•	Prepare for class	sometimes
•	Attend class	always
•	Participate in class	often
•	Complete assignments	always
•	Meet with professor outside of class	often

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

I found the example problems done on the class notes to be very helpful. It was also helpful to have the class notes posted online.

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, an/or imagination?

I found analysis to be interesting.

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

I think my proof-writing skills improved and my experience with analysis improved.

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?

Other than the rush at the end, the course had a good pace.

Professor Alvarado always answered student questions and had active office hours.

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

7. Additional comments:

EVALUATION: #15 (of 22)

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

1. How often did you:

•	Prepare for class	never
•	Attend class	always
•	Participate in class	rarely
•	Complete assignments	always
•	Meet with professor outside of class	sometimes

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

Trying out every problem fully and independently in doing homework, working with peers, organizing definitions and theorems and get myself familiarized with them regularly, have a clear overview of the big picture

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, an/or imagination?

gave me a sense of what mathematical rigor looks like, takes away some of my fear for infinity related discussions...

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

proof writing skill, attention to details

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 is great, except the delivery is (understandably) a little hurried towards the end. The professor keeps a great balance between a steady overall pace and individualized progress

(making sure that he gives time for questions and concerns). His classroom technology is great too. Assignments are challenging but totally worth the time and essential for success in this class.

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 really great, passionate, eloquent lecturer and caring, approachable teacher. He uses his teaching experience and even his own learning experience to help us get through the journey as smoothly as possible, while not giving away answers too soon in office hours and always still made students think independently even if they are struggling. Though many students are taking Analysis with Professor Alvarado, and I am not the most outspoken among them, I still got the chance to speak to Professor Alvarado personally and for some length quite a couple of times. I would totally recommend Professor Alvarado for such a challenging required course.

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

7. Additional comments:

EVALUATION: #16 (of 22)

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

1. How often did you:

•	Prepare for class	always
•	Attend class	always
•	Participate in class	often
•	Complete assignments	often
•	Meet with professor outside of class	often

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

Attending office hours and TA hours was by far the most helpful ting I did to succeed in this course. I think spending time absorbing the material and working through problems is the only way to learn this kind of math (and perhaps all math), so I really made sure to prioritize that each week, attending hours usually twice weekly.

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, an/or imagination?

Analysis is a tough subject but one that is super interesting since it makes you rethink and apply so much of the math that we've worked on up to this point. That was really helpful in reframing the way I see my journey with math at Amherst, so I'm grateful for that. Professor Alvarado's passion for the subject and his commitment to teaching us well and making us enjoy the process is truly inspiring and honestly made all the difference.

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

Critical thinking, problem solving, and learning how to glean the most important and useful details when presented with a great deal of information.

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 overall course design is such that the class is very intense but also effective. The pace was really good up until the last few weeks when things got very hectic (snow days and more affected that, but it was a difficult transition in terms of the course). The expectations were consistently clear, assignments were effective and helpful, and in-class activities were also effective.

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 by far one of the best professors I have had both in the math department and more generally at Amherst. He is so genuinely committed to helping each of his students learn and succeed. The material is difficult, but he makes it approachable and manageable in whatever ways he can, and that is clear in each and every interaction. Even in circumstances when I was struggling with some personal issues, Professor Alvarado was very understanding and helpful as I navigated exam season through that. His feedback and interactions in office hours are what made the difference for me in this course, and I truly can't speak more highly of my experience with him as a Professor.

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

7. Additional comments:

EVALUATION: #17 (of 22)

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

1. How often did you:

•	Prepare for class	never
•	Attend class	often
•	Participate in class	rarely
•	Complete assignments	sometimes
•	Meet with professor outside of class	never

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

uh, nothing

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, an/or imagination?

Made me really comfortable/confident in my decision to abandon STEM

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

I dunno, I felt like I was drowning the whole time, despite doing fine in the class

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?

Felt like way too much way too fast—I'll try my best to hold onto this information for the comp exam but after that I plan on forgetting all of it

I would describe it as "at odds"—like, he's a really high energy teacher and that's great for some people, but not me. The learning environment felt a bit alienating; it felt like he had favorite students. Maybe those are the students who went to office hours and he liked them because they were more engaged, but I wasn't motivated to change how he saw me. I also really tried to avoid raising my hand in class, even when I knew that I knew the answer, because it felt like I could never give one answer—it felt like a big gamble to raise my hand, like I was on more of a stage than in any other class. There was too much back and forth, like he was trying to be a friend rather than a professor. But again, I felt that I could tell that that was helpful to some people. Just not me. \(\tau(?) / \subseteq [sic]\)

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

7. Additional comments:

Some of my comments seem harsh and while I did really hate the class and think that's important, take everything with a grain of salt because I regret choosing math as my major so I have a lot of math related anger that doesn't have an outlet.

EVALUATION: #18 (of 22)

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

1. How often did you:

•	Prepare for class	sometimes
•	Attend class	always
•	Participate in class	often
•	Complete assignments	always
•	Meet with professor outside of class	always

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

Attending office hours was incredibly helpful and aided my learning in 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, an/or imagination?

I think this course was particularly challenging, which made me have to think about things I usually don't a lot. I think the course also will prepare me well for the comprehensive exam in February.

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

I think my proof writing skills have improved throughout the 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?

I think the pace, presentation, assignments, and discussions were incredibly impactful. I think Professor Alvarado has done a great job at organizing the course and staying on task.

Professor Alvarado is always available for questions. He pauses multiple times in the middle of class to make sure everyone is on the same page and/or has questions. He shapes his office hours based on his student's schedules, which is also incredibly helpful and nice. He is always available and it has been great!

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

7. Additional comments:

N/A

EVALUATION: #19 (of 22)

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

1. How often did you:

•	Prepare for class	never
•	Attend class	rarely
•	Participate in class	rarely
•	Complete assignments	always
•	Meet with professor outside of class	rarely

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

gooing to class and keeping up with the materials

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, an/or imagination?

His homeworks and materials present challenge. He gives sufficient time for students to think before he answers his own challenges

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

Analyticla thinking

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 was very organized and i knew what i was getting at all points. The pace was fair

Hes very engaging, helpful, and friendly

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

7. Additional comments:

professor alvarado would be a great addition to our department. Hes the most approachable and helpful professor ive met

EVALUATION: #20 (of 22)

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

1. How often did you:

•	Prepare for class	often
•	Attend class	always
•	Participate in class	rarely
•	Complete assignments	always
•	Meet with professor outside of class	always

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

I attended office hours twice a week which was helpful collaborate with other students in the class on homework assignments, but then have Professor Alvarado there to answer additional 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, an/or imagination?

He encouraged us to do extra HW problems, which were proving parts of theorems that we didn't do in class. It helped because he would do one of the parts and then allow us to figure out the other one on our own. I liked this aspect a lot because I knew if I truly understood something after doing the activity.

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

I learned how complex calculus is and that there are many underlying definitions and concepts needed to prove simple 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?

The pace started off average and then picked up at the end of the semester. The last few classes were rushed because of snow days, so I think it will be difficult to fully learn those topics, but he offers many office hours. The assignments helped me understand when to use definitions and theorems.

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 always encouraged people to participate and ask questions in class. Outside of class, he was always available via email or office hours. You can tell he wants us to succeed as much as we want to succeed, which creates a positive classroom environment.

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

7. Additional comments:

EVALUATION: #21 (of 22)

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

1. How often did you:

•	Prepare for class	sometimes
•	Attend class	always
•	Participate in class	sometimes
•	Complete assignments	always
•	Meet with professor outside of class	often

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

It was effective going to Allison's office hours. She really helped me understand the material and go through homework questions. I really appreciated her help! Also, she was just a great person to be around, so that made me comfortable in her office hours.

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, an/or imagination?

Professor Alvarado has an energy that is really different than professors I have had in the past. I think that he made everything super interesting and exciting to learn. Also, his ability to break things down so that you do not need a lot of background knowledge was very helpful throughout the course. In this course, I was able to think about a lot of the fundamentals of calculus in a more rigorous way.

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

The most significant knowledge that I further developed was proof writing and being able to organize my thoughts on paper.

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 the course (pace, presentation, clarity, assignments) went really well until after Thanksgiving break. We had two snow days, so the material was very rushed at the end. I think by trying to fit in all the material, it compromised my understanding of each concept because they were not explained thoroughly.

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 thought that Alvarado always made his classroom very welcoming. I enjoyed going to class everyday. However, his office hours were pretty overwhelming. I could only ask one or two questions and then I would have to leave because so many people attended. I recommend having more hours in a day and less days a week or learning to work with multiple students within a given time frame.

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

7. Additional comments:

EVALUATION: #22 (of 22)

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

1. How often did you:

•	Prepare for class	sometimes
•	Attend class	always
•	Participate in class	sometimes
•	Complete assignments	always
•	Meet with professor outside of class	often

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

Going over the proofs presented in class in a detailed way was most helpful to my understanding of the material, as was doing the homework. While got a general understanding going to class, I don't think I fully understood the material until I did the homework.

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, an/or imagination?

Like most math classes at Amherst, I feel like this course has improved my quantitative thinking and problem solving skills. Alvarado was a great lecturer, and in office hours he was very helpful.

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

I feel like I got a lot better at writing proofs!

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 wish the beginning of the course moved more quickly and that we didn't spend so much time focused on proof techniques, and we had a little bit more time at the end of the class to focus on that material. The end seemed very rushed, although this wasn't helped by the snow day(s) we had.

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 really like Alvarado as a professor! He's one of the best lecturers I've had at Amherst, and his presentation of the material really helped me understand it. It was also helpful to have the notes online, because sometimes lectures moved quickly. I also appreciated how he was willing to stop class to answer questions that people had. I had difficulty making office hours sometimes due to other conflicts, but there were a large number of office hours and he made an effort to schedule them so everyone could attend. Finally, I know he worked to create an inclusive learning environment and I felt like he really cared about doing so.

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

7. Additional comments: