



Course Evaluations Spring 2025

Alvarado, Ryan

MATH-271-02-2425S Linear Algebra

Report grouped by students without names



Report prepared by **Explorance Support**
Created **Thursday, May 22, 2025**



Course Audience: 27
Responses Received: 16
Response Ratio: 59.26%

Individual Student Responses

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

01. How often did you:

Prepare for class

- Sometimes

Attend class

- Always

Participate in class

- Always

Complete assignments

- Always

Meet with professor outside of class

- Often

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

I liked the office hours he hosted and the support he provided during these times.

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

He was very explicit about his expectations often demanding correctly formulated proofs. His high expectations never felt too impossible to achieve. I had to work hard but I gained a lot in return.

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

I learned a lot of proof writing techniques and formulating thoughts into mathematical arguments as well as the general foundation of Linear Algebra.

- 05. 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 fast but it was never too much. The homework's helped build understanding along with the lectures.

- 06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.**

He was very energetic and always wanted the best for everyone. Outside of class he truly cared about people and their lives outside of math and provided lots of support.

- 08. Type your comments below for [Ryan Alvarado](#).**

Thank you!

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

01. How often did you:

Prepare for class

- Often

Attend class

- Always

Participate in class

- Rarely

Complete assignments

- Always

Meet with professor outside of class

- Often

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

I thought that reading over my notes after class was particularly effective and also frequently going to office hours and the q center and ta hours

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado helped shape my intellectual interest by always making class interesting and fun. You can tell he genuinely loves what he teaches and wants us to feel the same way. He always encouraged our questions and was very helpful in office hours

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

I learned logical reasoning skills

- 05. 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 design of the course was good and so was the pace and presentation. I thought they all helped my learning in the course. Assignments were tough but fair and doable if you just used resources such as office hours, the q center and ta hours

- 06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.**

My interactions with Professor Alvarado were always very positive and pleasant. He is always so energetic and is very kind. He was always free to meet when I asked after exams. He held office hours often and at times that worked for most people.

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

01. How often did you:

Prepare for class

- Often

Attend class

- Always

Participate in class

- Rarely

Complete assignments

- Always

Meet with professor outside of class

- Rarely

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

Reviewing notes before class and taking detailed notes during class

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

He introduced a lot of new concepts and made connections between the subjects we're learning and other subjects we've learned before

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

I learned to write proofs and also learned about the theory behind linear algebra

05. 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 seemed quick in class but the amount of content we learned each week was manageable. Expectations were clear and homework assignments helped me really learn the material.

- 06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.**

Prof. Alvarado encouraged students to ask questions and actively engaged with student questions and ideas in class. He was also always available outside class.

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

01. How often did you:

Prepare for class

- Often

Attend class

- Always

Participate in class

- Rarely

Complete assignments

- Always

Meet with professor outside of class

- Sometimes

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

I took advantage of TA and Q Fellow hours, and I sought out a lot of help from other people.

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado's attitude was really positive and did a lot to keep me interested in the material. He also often asked questions without telling us the answers, which encouraged us to think critically about what we were studying.

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

I feel great knowing about matrices and vectors? I also feel like I have a better grasp on proofs.

05. 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 this class was very fast. I understand that they need to make sure we cover a certain amount of material, and Professor Alvarado told us on multiple occasions that he would not give us busywork or filler examples. However, the pace was still so fast that I never got time to sit with a proof in class; Professor Alvarado would just speed through it like reading a paragraph. Everything else was good, but I did focus a lot of effort in just understanding what was going on in class.

06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.

My interactions with Professor Alvarado were all around positive. I think he's a great guy and brings a lot of positive energy into a subject that could otherwise be quite monotone. The way he handled questions was very effective; I just wish his office hours were less busy and that I could ask him questions without feeling like I needed to compete with his other class to get answers.

08. Type your comments below for [Ryan Alvarado](#).

In summary, I think Professor Alvarado is awesome and I love him, but I do wish he'd go slower and be more thorough with his explanations (especially for proofs, where the logic is really important to understand). Overall, cool professor and a hard class.

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

08. Type your comments below for [Ryan Alvarado](#).

Professor Alvarado's lectures are very engaging. I appreciate his energy and humor, every day, t keeps me engaged (even if I have no idea what's going on). He is very helpful in OH and very easy to reach outside of class. I wish I could have him for every math class moving forward.

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

01. How often did you:

Prepare for class

- Often

Attend class

- Sometimes

Participate in class

- Sometimes

Complete assignments

- Always

Meet with professor outside of class

- Sometimes

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

In this exact order: reviewing class notes, doing the practice tests, going to office hours.

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

As a core course, I can't say that I was blown away by the curriculum. The content was mostly dull, but Professor Alvarado tried his best to make it more exciting, which I appreciate!

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

Working with proofs, using precise mathematical notation (e.g., the definition symbol ":@" and builder set notation), and clearly differentiating among definitions, theorems, propositions, and corollaries.

05. 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 has been very fast-paced, and I often found myself keeping up. Professor Alvarado made clear his expectations, and his online notes were clear.

06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.

Professor Alvarado is very energetic and entertaining. He clearly loves what he is doing! His office hours have been plenty, and he has always been eager to help his students.

Nonetheless, I would have loved it if he had provided answer keys for the homeworks. Even after getting feedback on my homework, it was oftentimes limited, and asking him questions about every single detail would've taken too much time (his office hours are packed, and so is my schedule, so I couldn't dwell on every little thing I found confusing).

08. Type your comments below for [Ryan Alvarado](#).

Thank you for your hard work, professor! And thank you for your energy and compassion, they were clearly noticeable. All the best!

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

01. How often did you:

Prepare for class

- Always

Attend class

- Always

Participate in class

- Rarely

Complete assignments

- Always

Meet with professor outside of class

- Always

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

I needed constant work in this course to get better and that was the only way for me to keep improving. By the end difficult topics in the beginning became much easier.

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

He is so helpful and his office hours are the best. He stimulates my learning by helping me break down difficult problems and see huge insights in his office hours.

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

I depend on my proof ability and am much more confident for the upper-level courses.

- 05. 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?**

This course was setup very well and the material was fast-paced but never rushed.

- 06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.**

He is the super engaging and genuinely excited to teach. You can really feel his energy and he is contagiously happy. I am really glad I had him as my professor.

- 08. Type your comments below for [Ryan Alvarado](#).**

He is the best and I will recommend him to other students.

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

01. How often did you:

Prepare for class

- Often

Attend class

- Always

Participate in class

- Rarely

Complete assignments

- Often

Meet with professor outside of class

- Sometimes

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

Before exams, I would go through all the theorems and definition sheets, rewrite them, and study those before going through the previous exams. Also, I would redo some homework questions. As for homework, I would review class notes and try to synthesize the proofs from class to understand how theorems and defs were being used by prof. Alvarado.

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado told linear algebra like a story. In the beginning, it was a little difficult to understand why, but around the second week of March, when we were applying what we had previously learned, it began to make sense as to why we were these topics.

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

I feel like in this class I further developed my mathematical reasoning skills. I believe now that if I have a robust knowledge of definitions, I could begin to prove math statements on my own.

05. 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 fast. There was a lot of information being presented, but I also understand that it is just the nature of the class. I believe that this forces me to stay organized and consistent with how often I study the material.

06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.

Always cordial. Professor Alvarado is always willing to engage in conversation that doesn't only pertain to class. He often asks about life/your ambitions and remembers what you tell him.

08. Type your comments below for [Ryan Alvarado](#).

Thank you, Professor!

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

01. How often did you:

Prepare for class

- Always

Attend class

- Always

Participate in class

- Sometimes

Complete assignments

- Always

Meet with professor outside of class

- Sometimes

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

Two things: Alverado's amazing energy and excitement brought to his classroom, as well as the other resources offered in the Math Department like the Q-Center and TA.

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

He made learning new math content engaging and fun through connecting to real-world applications and always having a lot of energy to keep the class going.

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

What Linear Algebra is about, and a preview of what upper-level math classes look like. It gave me a good impression of what to expect in my future math classes, while also how to handle and complete the problems.

- 05. 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 found this class very difficult, and the pacing was really fast. With that said, it is doable if you spend enough time, and I am happy I had the opportunity to be in such an environment that is so encouraging for learning.

- 06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.**

Amazing. As busy as he is, he can always make time to see you. He truly puts his students first and makes it very easy to talk to him. No matter where you are at in the course, he will meet you and try to help you understand the material.

- 08. Type your comments below for [Ryan Alvarado](#).**

Thank you, Professor Alvarado! While I found this class extremely difficult, I really enjoyed it and appreciate you taking the time to always help.

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

01. How often did you:

Prepare for class

- Always

Attend class

- Always

Participate in class

- Always

Complete assignments

- Always

Meet with professor outside of class

- Often

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

Homeworks, posted notes, additional online resources

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

Asking big questions.

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

Linear algebra, application to systems of knowledge, coding information to matrices in abstract way.

05. 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?

well structured. Difficult at beginning to build strong foundation.

- 06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.**

Always pleasant and wants to help.

- 08. Type your comments below for [Ryan Alvarado](#).**

Thank you.

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

01. How often did you:

Prepare for class

- Always

Attend class

- Always

Participate in class

- Rarely

Complete assignments

- Always

Meet with professor outside of class

- Always

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

I studied extensively for this course. I was always going over my notes after class and repeatedly and even more before exams. I tried to understand every problem in the notes and in the homeworks.

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado is an engaging lecturer and incredible professor. This course was challenging, and Professor Alvarado pushed me yet always also motivated me and helped me understand that I could be successful.

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

I learned a ton about proofs. I feel more confident tackling a proof when given one. I feel

more comfortable engaging with complex topics in math.

05. 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 is extremely clear that Professor Alvarado is an insanely smart person, yet this fact never interferes with his ability to teach. His presentation of information is so clear and purposeful. The pace of the course was fast, especially lecture, but I think that's the nature of the course. Expectations were always very clear and homeworks were challenging yet productive.

06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.

Professor Alvarado evidently cares about each student. He makes himself available outside of class and also takes time to get to know everyone as people. His feedback on exams is extensive, and it has really helped me improve.

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

01. How often did you:

Prepare for class

- Often

Attend class

- Always

Participate in class

- Rarely

Complete assignments

- Always

Meet with professor outside of class

- Rarely

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

I feel like having the notes that he writes in class was helpful

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

He introduced me to more rigorous proof writing and helped me think more systematically when I see proofs

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

The most significant skill is definitely proof writing

05. 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 felt really really fast though I understand that that's not really preventable

- 06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.**

He was nice and answered questions and made students feel seen by knowing all their names

- 08. Type your comments below for [Ryan Alvarado](#).**

I don't really think there is a solution to this but the office hours are so crowded it overwhelms me and makes it hard for me to ask questions

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

01. How often did you:

Prepare for class

- Always

Attend class

- Always

Participate in class

- Sometimes

Complete assignments

- Always

Meet with professor outside of class

- Often

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

Going to office hours, especially towards the beginning of the class, is what made the material much easier to digest. Ask good questions and he will give great answers

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

Alvarado inquired questions or for comments on proofs/new ideas during class which helped with involvement and understanding. He often uses different approaches, both mathematical and geometrical, to describe topics so we see them from different perspectives.

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

I have a sound understanding of vector spaces, especially the properties of the

transformations between them. Because of this, I now see similarities amongst abstract sets and how I can make connections between them.

- 05. 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 perfect– we built a strong foundation then dove into the applications of the teels we learned.

- 06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.**

I asked him questions and attended his office hours often. He was great regardless of whether I was just listening in or was actively in conversation.

- 08. Type your comments below for [Ryan Alvarado](#).**

Great professor and an overall nice person who cares about his students.

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

Course Name: MATH-271-02-2425S Linear Algebra

Instructor Name: Ryan Alvarado

01. 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

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

Reading over my notes intensely and always going to office hours.

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

I think Professor Alvarado definitely stimulated my problem-solving skills and thinking to a new level. Linear algebra is a big jump from multivariable calculus, so I was being challenged in this course to a new degree. Despite these challenges, I have grown to appreciate math even more and am seriously considering majoring in math. Professor Alvarado definitely understands the expectations of the 300-level math classes and has pushed our thinking to ensure our future success.

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

I have definitely strengthened my proof–writing skills in this class and further developed my problem–solving abilities.

05. 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 pretty fast–paced, but not to an extreme level where it caused me to fall behind in lecture. The presentation of information was abundantly clear (and Professor Alvarado provided many examples throughout lectures to assist in our comprehension) and assignments, though time–consuming, were never unreasonably challenging.

06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor’s engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.

My interactions with Professor Alvarado were always overwhelmingly positive. He was so supportive, always answered our questions with a high level of patience, and was an overall great professor. He had good (and consistent) availability outside class—even when he was in another state—and his office hours were always extremely helpful to my understanding of the course material.

08. Type your comments below for [Ryan Alvarado](#).

Thank you for a great, learning–intensive semester! I think you have prepared us very well for what's to come in the higher–level math courses.

Individual Student Responses (continued)

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Instructor Name: Ryan Alvarado

01. 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

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

I feel that attending office hours regularly was extremely helpful as I was able to get questions answered while completing my homework. It was also a good time to learn more as I could listen as the professor explained questions to others as well.

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado told us that this class was about how seemingly unconnected ideas are in fact intricately connected in unique ways. Professor Alvarado tells us about how linear algebra is useful in all aspects of the academic world and that has always kept me engaged in mathematics during this course.

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

I believe that my ability to rigorously prove mathematical statements has greatly improved throughout this class. I have learned not only how to apply my theorems and to calculate things, but to understand why these concepts and theorem hold true.

05. 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 pacing of this class was great. The weekly problem sets made my homework time very flexible, and I enjoy how he has the online notebook where we can look at his notes in full in case we miss something during class.

06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.

On the first day of this course, Professor Alvarado told us that "if you work hard, I will work twice as hard for you," and I believe that throughout this course, he has done exactly that. His willingness to help us outside of class and continue his energy throughout the day makes me enjoy the class more and want to succeed in the class. Professor Alvarado has always been willing to stay and help me and others even when office hours are over, and that has been very helpful as I can ask any final questions as I button up assignments.

08. Type your comments below for [Ryan Alvarado](#).

At first, I was very nervous about taking this class and wasn't sure if I would be able to succeed, but your positive attitude and willingness to help me succeed has made this class an extreme pleasure! Thank you so much for an amazing semester!

Individual Student Responses (continued)

Please note: If the customizable 7th question is not displayed, it indicates that the instructor has not provided a question for this section.

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Instructor Name: Ryan Alvarado

01. How often did you:

Prepare for class

- Rarely

Attend class

- Always

Participate in class

- Rarely

Complete assignments

- Always

Meet with professor outside of class

- Sometimes

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

It was particularly effective to read over the class notes and go to office hours, TA hours, and Q fellow hours.

03. In what ways did this course and instructor [Ryan Alvarado](#) stimulate or shape your intellectual interests, thinking, and/or imagination?

Professor Alvarado is a great instructor and shares his passion for math with his students. He made lecture engaging and stimulated my thinking.

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

I became better at writing proofs and creating arguments based on definitions and propositions.

- 05. 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?**

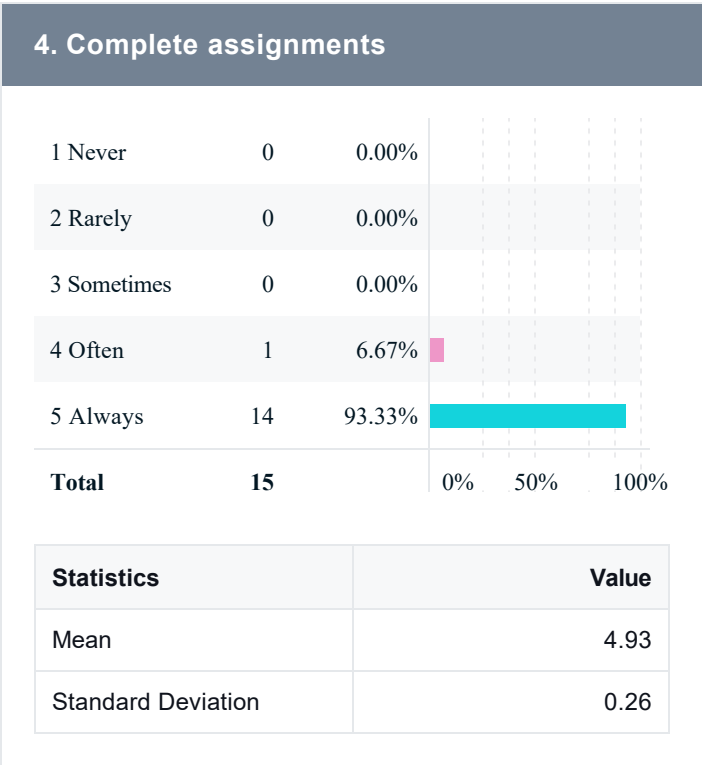
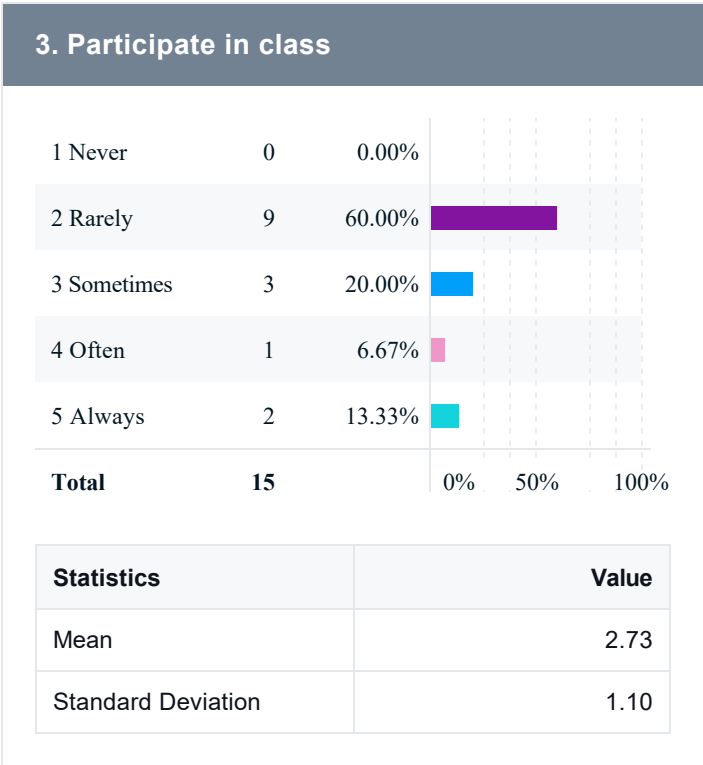
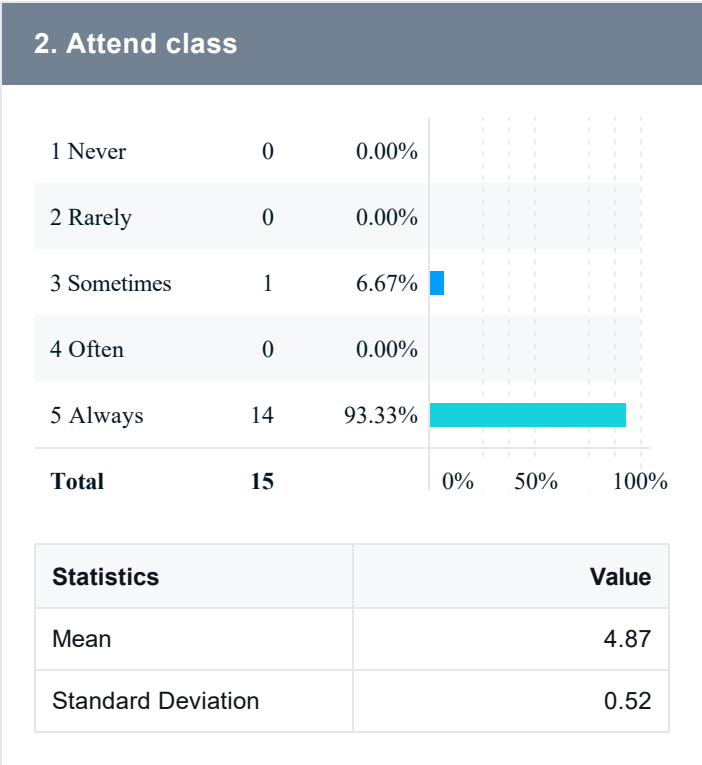
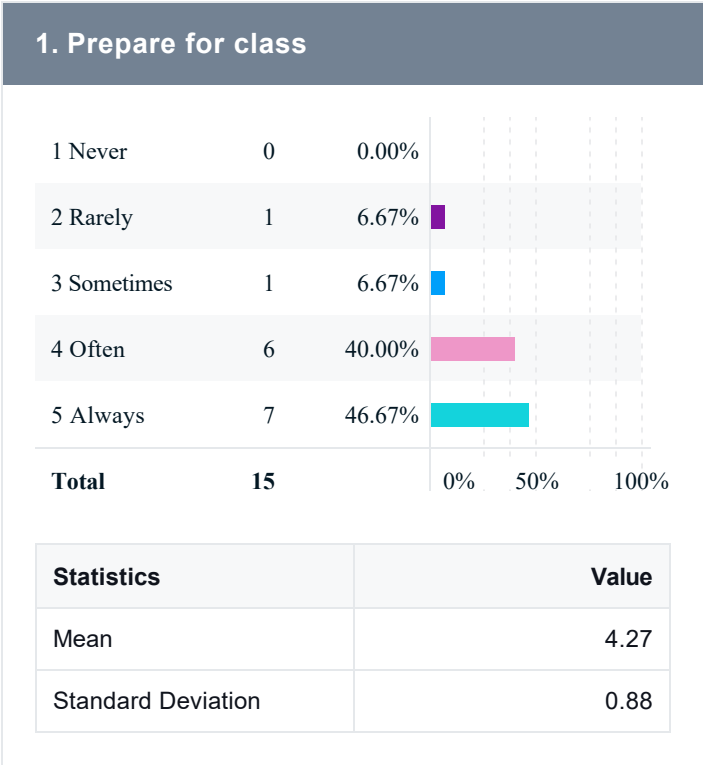
Overall, I enjoyed the design of the course. Expectations were clear on assignments and relatively clear on exams.

- 06. Please describe the nature of your interactions with the instructor [Ryan Alvarado](#) in this course, including the instructor's engagement with student questions and ideas in class, their cultivation of an inclusive learning environment, their availability outside class, and the feedback you received on your course work.**

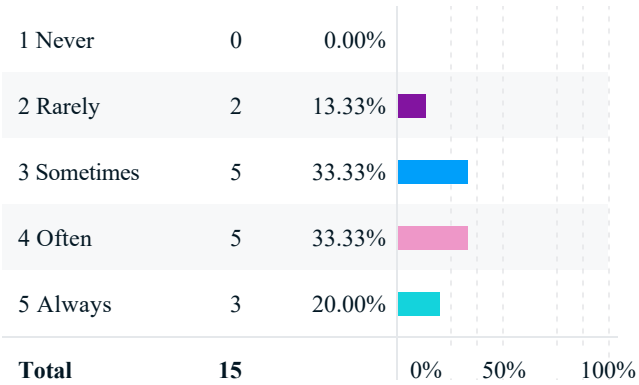
Professor Alvarado is such an enthusiastic professor who clearly wants all of his students to succeed. He was always helpful and kind during my interactions with him and is pretty available outside of class.

Question 1 Statistical Summary

How often did you:



5. Meet with professor outside of class



Statistics	Value
Mean	3.60
Standard Deviation	0.99