University of Michigan
Winter 2026 Instructor Preliminary Report
EECS 245-001: Math for ML
Suraj Rampure

41 out of 57 students responded to this evaluation.

Responses to University-wide questions about the course:

	SA	A	N	D	SD	N/A	Your Median
This course advanced my understanding of the subject matter.(Q1631)	26	15	0	0	0	0	4.7
My interest in the subject has increased because of this course.(Q1632)	22	16	3	0	0	0	4.6
I knew what was expected of me in this course.(Q1633)	15	24	2	0	0	0	4.3
I had a strong desire to take this course.(Q4)	15	19	6	1	0	0	4.2
As compared with other courses of equal credit, the workload for this course was (SA=Much Lighter, A=Lighter, N=Typical, D=Heavier, SD=Much Heavier). (Q891)	0	2	15	18	5	0	2.3

Responses to University-wide questions about the instructor:

	SA	A	N	D	SD	N/A	Your Median
Suraj Rampure seemed well prepared for class meetings.(Q230)	31	6	2	0	0	0	4.9
Suraj Rampure explained material clearly.(Q199)	30	7	2	1	0	0	4.8
Suraj Rampure treated students with respect.(Q217)	35	3	2	0	0	0	4.9

Responses to questions about the course:

	SA	A	N	D	SD	N/A	Your Median
Overall, this was an excellent course. (Q1)	30	8	2	0	0	0	4.8
I felt included and valued when working with other students. (Q253)	22	11	5	0	0	2	4.6

Responses to questions about the instructor:

	SA	A	N	D	SD	N/A	Your Median
Overall, Suraj Rampure was an excellent teacher. (Q2)	36	1	3	0	0	0	4.9

Written Comments

Comment on the quality of instruction in this course. (Q900)

Comments
Lecture was super great and definitely helped me understand a lot of the difficult concepts of the course. Also, the course notes were probably the most detailed and helpful I've ever had access to during my time at UM. Whether studying for the exams or just catching up on a topic I was struggling on, course notes were definitely super helpful.
The instruction in this course is really great. I like the way lecture is engaging, and you always know what's going on through the textbook.
Very clear
The instruction quality was very good.
He is a great instructor and explained all of the content very clearly. He also answer questions well and made sure to explain everything in a way so everyone could understand.
Very well run class
I think everything was explained very well and the lectures and supplemental videos were very informative and useful.
Quality was very good and I understood everything to a good extent.
Very great, Suraj was an amazing teacher and explained everything well
Very good.
Fantastic, suraj is one of the best teachers out there
Amazing. Suraj is great
Impeccable
Just a great class, great IA and excellent professor.
Both this course and the instructor was very engaging. I liked how the professor would go through the math with us, as it made the class feel more interactive rather than a passive reading of lecture slides. I enjoyed the visualizations, and it was fun when we finally got to see how the concepts we learned over the course of months nicely came together. For example, I remember the first time in lecture when we tied everything together from projections to colspaces to see how it made the normal equations that provided the optimal vector for multiple linear regression, and how much excitement I felt when I understood it and saw it come together. The homeworks get progressively more time consuming, but each of them significantly helped my understanding, and as a plus they were sometimes fun to complete.
The quality and preparation in the background for this course was substantial. The lectures were very clear, from the beginning to the end it felt like I was hearing a story. And when something was unclear the notes were always there to help, and fill in the gaps of knowledge.
Best course I have taken by far. Lectures were incredibly helpful.
This course was wonderful and incredibly taught. There was clearly a lot of effort put into designing the course and explaining concepts in ways that are intuitive for students to understand. Everything always had multiple different explanations and visualizations and was also always tied back to some real–world application of the concept. There are plenty of resources for everything and I have always been able to find answers to my questions very easily. The instructors are extremely receptive to student feedback and give us lots of opportunities to do so. Professor is always very enthusiastic and clear, and tries really hard to foster collaboration and student engagement which is great.
Instruction was the best I have had at this school
Professor Rampure is one of the best, if not the best, professor that I had so far at Michigan. The class were definitely one of the more challenging class in terms of the concepts and I was worried at the beginning of the semester that I was going to struggle a lot, but Professor Rampure and the IAs definitely made the course much more manageable. I learned a lot in this course.
Instruction quality was on the stronger end compared to other classes. Did a very nice job of tying course notes into lecture into labs && homework.
I thought there were multiple avenues to learn the class content that were all high quality
Good
It was good
This is probably one of the best courses that I have taken in my time so far here at Michigan. The course notes for this course are very helpful and the posted activities and video walkthroughs are also very helpful. Overall, I think that this is an excellent course and I would definitely recommend it.
The quality of instruction was good.
Good class

What were the strengths of the course ? (Q953)

Comments
The abundance of resources were one of the biggest highlights of the course. The website was super clean and organized which helped me stay organized in regards to studying for exams and completing homework. Also, homework and lab never felt like busy work and both actually aided my learning.
Definitely that it isn't a really large course, so it was much more engaging than like eecs280 lectures.
Interesting content
It taught linear algebra in a new light and applied it to the field of machine learning.
The strengths of the course was to dive more into the machine learning aspect that a normal linear algebra class would not go into. This is important as this class is a way to get students prepared to take EECS 445 so it was important to get introduced to some of the machine learning aspects.
The class notes + online material
The online course notes were extremely helpful in learning and referencing outside of lectures. It was great to find a course that covered the linear algebra requirement while also focusing on a topics that clearly apply to what I am studying in university. The course website was also very designed very well and user–friendly.
Very chill and very casual, asking questions doesn't scare students and there is always a lot of help available.
Course notes and approach of explaining material
The course notes were amazing, and the opportunities and flexibility to make up grades and drop certain assignments along with the exam policies were very nice.
Good professor, IAs know their stuff, course is more engaging
Creative assignments, engaged learning, great course notes
Course notes, well explained, interesting content.
The notebook material is great.
The level of engagement was a strength of this course, as well as the supplemental course notes which nicely broke everything down to aid in our understanding. That, and the coding portions helping us to see how the math we learn is applied in real world settings was very interesting and another strength of this course.
The strength were the notes. It was really helpful to have clear notes on everything, which made it way easier to learn.
Excellent integration of ML and linear algebra content. Most math classes I have taken do not spend considerable time explaining why the concepts are actually useful in the real world. This course does a great job of explaining linear algebra with real world applications in mind.
The course is really good at explaining concepts to students. There's always explanations in plain and formal language, analogies, visuals, examples, and more, and multiple different formats for following with the course (video lectures, written notes, etc.). Everything has multiple different approaches to understanding it and providing all of them makes it really easy to understand how things interact.
Instruction, homeworks and labs all worked together to strengthen understanding and there was a direct vision and story for the course
Course notes, strong organization
Course notes were very through and went into a lot of detail needed for exams. Exams didn't feel completely BS – felt like they 90% of the time used concepts and material learned from course notes/labs/homeworks/lectures
The flexibility as well as the progression of the class were very strong in this class
teach linear algebra with more emphasis on its connections to computer science and machine learning
The course notes are very descriptive.
There are lots of resources for practicing and helping to better understand the material. The lectures for this course are very good, but if there was ever a topic that I didn't fully understand reading through the explanations in the course notes was very helpful. Also all of the practice activities and videos are very helpful for reviewing the material.
The strengths were the labs.
Combined 2 topics and taught them well.

What suggestions would you make for improving the course ? (Q955)

Comments
Not much to be honest.
I'm not sure.
Labs having more quick practice problems
Adding more activities to the course notes.
For improving the course I would say some of the homeworks could be shorter. There were some homeworks that were really long and took a lot of time to complete. I feel like having the homeworks be shorter while also covering everything we learn in lecture would be better.
More practice problems
I know the course is new so there aren't many previous exams to look at for studying, but over time this will obviously improve.
More formal slides so people online can keep up. The lecture notes are good as is but more formal slides would be nice too.
Possibly a bit more applicable programming, but overall it was a super good class, labs were a bit long
shorter labs work wise
Its a tad bit hard but oh well
Split homeworks into twice weekly assignments
Maybe easier exam?
I feel that one area of the course that could be improved is in regards towards the end. While all of the course is interesting and taught well for the most part, the later part felt more rushed and as a result, more difficult to get a good grasp at the end of the term concepts.
I would suggest having like extra just practice problems other than past exams.
N/A
N/A – suggestions in the other survey
More videos in the notes to help describe harder to grasp concepts/practice problems
N/A
n/a
Make the notes more clear when explaining.
NA
More group work.
N/A, thought it was great

How might the class climate be made more inclusive of diverse students? (Q910)

Comments
Not much to be honest. I felt like class was very welcoming for me at least.
I think it is already.
Group work in labs
N/A
I would say people can form groups and collaborate together during labs and lecture so people can meet others and be inclusive of everyone.
N/A
I think an issue of a lot of computer science classes is diversity as a result of societal stereotypes and ideas that are beyond the scope of this class fixing, but as it is now I think that did not have any elements that were overtly anti–diversity. I took EECS 280 before this and they had a lecture and lab that talked about the importance of diversity in computer science and engineering, and I think something similar to that in this class would be helpful in reinforcing the importance of diversity in the student body.
To introduce even basic concepts so people of all backgrounds, regardless of their knowledge of math, can understand.
na
more forced group work
NA
NA
10/10.
N/A
It was already inclusive and diverse,
It already is
N/A
It was already inclusive
I did not feel as if there had to be anything more done
good
It is already inclusive
I think that it already is.
Spread more awareness of this course to kids that might not know they're interested in machine learning or linear algebra.
Maybe have more blask/hispanic students

University of Michigan
Winter 2026 Instructor Preliminary Report
EECS 245-002: Math for ML
Suraj Rampure

11 out of 13 students responded to this evaluation.

Responses to University-wide questions about the course:

	SA	A	N	D	SD	N/A	Your Median
This course advanced my understanding of the subject matter.(Q1631)	7	2	1	0	0	1	4.8
My interest in the subject has increased because of this course.(Q1632)	6	3	1	0	0	1	4.7
I knew what was expected of me in this course.(Q1633)	8	1	1	0	0	1	4.9
I had a strong desire to take this course.(Q4)	6	3	1	0	0	1	4.7
As compared with other courses of equal credit, the workload for this course was (SA=Much Lighter, A=Lighter, N=Typical, D=Heavier, SD=Much Heavier). (Q891)	0	0	3	6	1	1	2.2

Responses to University-wide questions about the instructor:

	SA	A	N	D	SD	N/A	Your Median
Suraj Rampure seemed well prepared for class meetings.(Q230)	9	0	0	0	0	2	5.0
Suraj Rampure explained material clearly.(Q199)	9	0	0	0	0	2	5.0
Suraj Rampure treated students with respect.(Q217)	9	0	0	0	0	2	5.0

Responses to questions about the course:

	SA	A	N	D	SD	N/A	Your Median
Overall, this was an excellent course. (Q1)	8	1	0	0	0	2	4.9
I felt included and valued when working with other students. (Q253)	7	1	2	0	0	1	4.8

Responses to questions about the instructor:

	SA	A	N	D	SD	N/A	Your Median
Overall, Suraj Rampure was an excellent teacher. (Q2)	8	1	1	0	0	1	4.9

Written Comments

Comment on the quality of instruction in this course. (Q900)

Comments
I absolutely loved this course. I think it was taugh extrememly well compared to other courses I have taken in the EECS department and was organized well. Suraj did a great job and made the students feel comfortable.
Great instruction. Very detailed and always willing to help students outside of class. Lectures were worthwhile to go to.
Very good.
Suraj is amazing. His lectures are engaging and do a great job explaining the "why" behind every topic before diving in to the details.
Suraj is very passionate about this course and teaches it very well. No complaints.
10/10
I enjoyed the structure and style of lessons and the amount of material I was given.
Suraj is one of the most caring instructors I've had here at U–M. He is very approachable and always makes himself available to students for basically anything. His lectures are very clear and concise, and you walk out of lecture feeling like you understood most of the material.

What were the strengths of the course ? (Q953)

Comments
I believe making sure the stuents were always rovided with the needed materials and making sure students were always prepared.
Taught ML applications of math to understand why we do the math, rather than just the math itself.
Good structure, easy to navigate through resources.
The notes are really well–structured (probably the best course notes I've ever seen) and go along really well with the lecture. Homeworks also have hyperlinks directly to the notes/videos, which is SUPER helpful.
Everything is very practically applicable and all the concepts build on each other, it doesn't feel like pointless math. Class feels super intentionally and logically laid out.
Very well organized. Suraj forms great relationships with his students and is one of the most caring professors ever.
The focus on resources.
The content of the course is structured so that students have time to understand the previous concepts needed for the next set of concepts well. Everything you do in the class ends up building up on each other, so it feels like a rewarding experience.

What suggestions would you make for improving the course ? (Q955)

Comments
Maybe improve the course notes a bit more or slower pace.
More programming components – helpful for understanding applications of our work.
If on canvas as well.
I would maybe spread out the matrix unit (chapters 5–8). Homeworks 7 and 8 were especially long, and it felt like that part of the course had a little too much crammed into it. Maybe move some of the matrix content onto Midterm 1 to even it out a bit?
I think this would be a bit difficult considering how new this course is, but having ECAS tutors specifically for this course would be really nice. I think there are already tutoring resources available for 214 and 217, but I would feel more comfortable reaching out to someone who already understands the expectations of this course specifically.
None
None.
My only suggestion for improvement would be in regard to the lab sections/worksheets. I feel like making them more interactive could be more beneficial, at the moment right now it seems to just be like another homework assignment but done in–person.

How might the class climate be made more inclusive of diverse students? (Q910)

Comments
more forced in class group activities or assigning groups for working
More virtual office hours/office hours on central if possible?
N/A
Suraj was very accommodating for me and all the challenges I dealt with this semester, no changes needed there in my opinion.
None.