

# University of Michigan

## Fall 2021 Instructor Report With Comments

### ROB 101-001: Comp Lin Alg

### Jessy Grizzle

17 out of 36 students responded to this evaluation.

#### Responses to University-wide questions about the course:

	SA	A	N	D	SD	N/A	Your Median	Univ-wide Median	School/College Median
This course advanced my understanding of the subject matter. (Q1631)	4	11	1	0	0	0	4.1	4.5	4.3
My interest in the subject has increased because of this course. (Q1632)	7	8	1	0	0	0	4.4	4.2	4.0
I knew what was expected of me in this course.(Q1633)	7	4	5	0	0	0	4.3	4.5	4.3
I had a strong desire to take this course.(Q4)	7	7	2	0	0	0	4.4	4.0	3.9
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	4	9	3	0	0	3.1	3.0	2.9

#### Responses to University-wide questions about the instructor:

	SA	A	N	D	SD	N/A	Your Median	Univ-wide Median	School/College Median
Jessy Grizzle seemed well prepared for class meetings.(Q230)	12	3	1	0	0	0	4.8	4.8	4.7
Jessy Grizzle explained material clearly.(Q199)	12	3	1	0	0	0	4.8	4.7	4.6
Jessy Grizzle treated students with respect.(Q217)	12	3	1	0	0	0	4.8	4.9	4.8

#### Responses to questions about the course:

	SA	A	N	D	SD	N/A	Your Median
Overall, this was an excellent course. (Q1)	7	7	2	0	0	0	4.4
I gained a good understanding of concepts/principles in this field. (Q121)	5	7	3	0	0	0	4.1
The amount of work required was appropriate for the credit received. (Q239)	6	7	3	0	0	0	4.2
Grades were assigned fairly and impartially. (Q365)	9	6	1	0	0	0	4.6

#### Responses to questions about the instructor:

	SA	A	N	D	SD	N/A	Your Median
Overall, Jessy Grizzle was an excellent teacher. (Q2)	10	5	1	0	0	0	4.7
Jessy Grizzle appeared to have a thorough knowledge of the subject. (Q207)	11	4	1	0	0	0	4.8
Jessy Grizzle acknowledged all questions insofar as possible. (Q216)	12	3	1	0	0	0	4.8

Lectures on Monday and Wednesday at 1:30 PM were convenient for me.

(custom question added by the instructor)

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A	Your Median
5	6	3	0	1	0	4.1

Lab on Tuesday at 4:30 PM was convenient for me.

(custom question added by the instructor)

Strongly Agree	Agree	Neutral	Disagree	Strongly Agree	N/A	Your Median
3	3	7	1	0	2	3.4

The medians are calculated from Fall 2021 data. University-wide medians are based on all UM classes in which an item was used. The school/college medians in this report are based on classes that are lower division with enrollment of 16 to 74 in College of Engineering.

Written Comments

Which aspects of this course were most valuable? (Q908)

Comments
Using Julia scale up problems was valuable to experience
the application of mathematics and coding makes the mathematical aspect of the course valuable and motivates me to learn more about linear algebra and in addition proofs. This has motivated me to take Math 217 or 417/420, as well as Math 297
The staff members of the course are amazing and helpful. Professor Grizzle was the best
The textbook and office hours
The lectures and being able to ask questions whenever
Labs and recitations reinforced knowledge of course.
Untimed assignments and quizzes allowing students to work at their own pace
The most valuable aspect of t his course was the recitation and that it was hybrid
Learning about gradient descent

Which aspects of this course were least valuable? (Q909)

Comments
how late the labs were in the day with the combination of the proximity to my dorm or the class before (since I live in the central campus area). The labs were engaging, so I tried my best to attend labs
The labs
Least valuable were the labs teaching Julia. I found them to be a little slow for more advanced people who already knew how to code
Nothing was "not valuable"
Workload was high, two HW assignments due every week
All aspects were valuable in some way

**Please comment on the quality of the course as a whole. (Q911)**

Comments
a phenomenal introduction to linear algebra with applications to cs, robotics, or any engineering field. Would recommend a first-year students to take it, though the material may be a little harder than how it should be for a first-year mathematics course.
It was a great course!
Good class, but the homework sets were a bit long
Overall this was an amazing class and I had a lot of fun taking it. It taught the subject very well while also making the class fun and interesting.
excellent course, teachers, labs, hw, etc.
Course still in development, quality is good
This course was of pretty good quality overall. I liked that it allowed hybrid learnings and that the instructors were extremely helpful.
Wish we did some programming in Python.

**How can Jessie Grizzle improve the teaching of this course? (Q901)**

Comments
maybe hire more IAs and GSIs so there are more office hours available for those in need of help
More office hours
adding group assignments
More Julia documentation early on
He's a pretty good teacher already
Teach a little bit of Python linear algebra tools

**Please comment on perceived strengths and weaknesses of lectures, labs, and/or recitations.**

Comments
the textbook is very effective resource for learning the material. the lectures may be comprehensive and clear, but the time spent can be better spent on answering questions, and verifying that everyone understands the material by solving problems and perhaps doing mini iClicker quizzes that are graded only for participation
The lectures didn't really have good example problems
Labs and recitations were a little slow at times and not the most challenging
strong. Rigorous. All questions were answered and they all complemented each other.
Labs were difficult due to Julia language
The lectures were convenient to attend live remotely and other than that, it was a standard lecture. Regarding the labs, I liked how interactive the labs were and how the instructors helped out when needed to make sure we understand the concepts. The recitations were also really helpful in going over the material we learned.
Labs and recitations were the best part of class.

Please comment on perceived strengths and weaknesses of HW drill problems, juliahws, and the projects.

Comments
the julia homework seems a bit too guided and the solutions often seem to be as simple as "just make a for-loop". I wish there was more opportunity to prompt people to think more about what to code. Otherwise, it's just trying to debug and struggle through julia syntax, which differs a lot from python or c++
Very helpful in learning the material, but the homeworks took way too long
The hws were very well done. they were challenging but not impossible. It allowed us to really learn the material. The projects were actually a little easy in my opinion so they could be stepped up to enhance the learning of the material.
rigorous and thorough hw and projects. pertained well to what was being learnt and reinforced knowledge.
HW was difficult and Julia HW was difficult. Projects account for large percent of grade which is good but also bad
The homework and projects in themselves were fine. I would say that would be helpful to have office hours on Thursdays.
some of the juliaHWs were a bit lengthy