Course and Instructor Evaluation Summary
Department of Mathematics

Canning, Samir Robert
MATH 18 - Linear Algebra (B)
Summer Session II 2021

Number of Students Enrolled: 94
Number of Evaluations Submitted: 69

PLEASE COMMENT ON THE FOLLOWING:

1. Your class level is

15 (21.7%):	Freshman
22 (31.9%):	Sophomore
17 (24.6%):	Junior
14 (20.3%):	Senior
1 (1.4%):	Graduate
0 (0.0%):	Extension
0 (0.0%):	Visitor

2. Your reason for taking this class is

58 (84.1%):	Major
1 (1.4%):	Minor
3 (4.3%):	Gen. Ed.
1 (1.4%):	Elective
6 (8.7%):	Interest

3. What grade do you expect in this class?

40 (58.0%):	A
25 (36.2%):	B
3 (4.3%):	C
0 (0.0%):	D
0 (0.0%):	F
1 (1.4%):	P
0 (0.0%):	NP

GENERAL QUESTIONS

4. I learned a great deal from this course.

2 (2.9%):   Strongly Disagree
0 (0.0%):   Disagree
3 (4.3%):   Neither Agree nor Disagree
33 (47.8%):   Agree
31 (44.9%):   Strongly Agree
0 (0.0%):   Not Applicable

5. How many hours a week do you spend studying outside of class on average?

2 (2.9%):   0-1
7 (10.1%):   2-3
20 (29.0%):   4-5
10 (14.5%):   6-7
11 (15.9%):   8-9
6 (8.7%):   10-11
7 (10.1%):   12-13
3 (4.3%):   14-15
1 (1.4%):   16-17
0 (0.0%):   18-19
2 (2.9%):   20 or more

6. How often do you attend this course?

10 (14.5%):   Very Rarely
21 (30.4%):   Some of the Time
38 (55.1%):   Most of the Time

COURSE MATERIAL MATH 18

7. The course material is intellectually stimulating.

0 (0.0%):   Strongly Disagree
0 (0.0%):   Disagree
5 (7.4%):   Neither Agree nor Disagree
31 (45.6%):   Agree
32 (47.1%):   Strongly Agree
0 (0.0%):   Not Applicable
1:                 [No Response]

8. Assignments promote learning.

1 (1.5%):   Strongly Disagree
1 (1.5%):   Disagree
1 (1.5%):   Neither Agree nor Disagree
29 (42.6%):   Agree
36 (52.9%):   Strongly Agree
0 (0.0%):   Not Applicable
1:                 [No Response]

9. Required reading is useful.

1 (1.5%):   Strongly Disagree
2 (2.9%):   Disagree
17 (25.0%):   Neither Agree nor Disagree
18 (26.5%):   Agree
10 (14.7%):   Strongly Agree
20 (29.4%):   Not Applicable
1:               [No Response]

10. This course is difficult relative to others.

4 (6.0%):   Strongly Disagree
11 (16.4%):   Disagree
27 (40.3%):   Neither Agree nor Disagree
19 (28.4%):   Agree
6 (9.0%):   Strongly Agree
0 (0.0%):   Not Applicable
2:               [No Response]

11. Exams are representative of the course material.

0 (0.0%):   Strongly Disagree
3 (4.4%):   Disagree
0 (0.0%):   Neither Agree nor Disagree
25 (36.8%):   Agree
40 (58.8%):   Strongly Agree
0 (0.0%):   Not Applicable
1:               [No Response]

12. Do you recommend this course overall?

69 (100.0%):   Yes
0 (0.0%):   No

13. Course MATH 18:

- Everything went smoothly. I really appreciated Professor Canning.

- it's a very interesting and challenging course. taking it during a summer session was a challenge because of the amount of material we had to cover.

- Course hindered by the biweekly, 3 hour summer lecture format.

- MATH 18 is a great course for those who have not contacted linear algebra before. The course offers new insights and new ideas for solving various types of systems of equations.

- I really like how Professor Canning allows students to interact with the professor throughout this intense speed summer session because personally, I am really an interactive student that conversions with the instructor help me a lot while studying. Overall I like how Professor Canning patiently answering my questions throughout the class.

- The lectures and notes are easy to follow and the homework is representative of what we learn. Also, the matlab assignments follow what we learn and are very interesting to do. A downside is that we do get assigned a lot of homework a week while that could just be since this is a 5 week course.

- This course gives me a completely new insight of mathematics since before I don't really know the number or the matrix can perform in such a beautiful that the linear algebra offers. It is a lot fun and you can certainly learn a lot from it!

- I really liked this course and all the course material came easily to me.

- good

- Great! this course is easy to learn and understand.

- Math 18 clarified a lot of the small skills needed in math 20 classes like matrix multiplication and eigenvalues. It would have been helpful if math 18 was a prerequisite for classes like 20c/20d. I struggled a lot to learn material from this class in order to pass those classes in the 20 series. It would be better to have the concepts from math 18 before applying it to the 20 series and other classes

- This course was actually my first college course overall, and I really genuinely enjoyed all the material and style of teaching. Professor Canning's pace was just right for me and he encouraged questions and participation, which I tried to partake in. I also enjoyed the discussions that I would arise from some of the other students' questions. Overall, Professor Canning explained the concepts pretty well and even though some of the topics were very abstract and unfamiliar to me, I was ultimately able to understand the material through class discussion and practice problems from the assigned homework.

- Samir was one of the few professors you actually enjoy learning from. Math to me was just boring numbers from old guys but Samir really tries to show the applicational uses of it and I really enjoyed that.Furthermore as long as you pay attention and do the HW, the class is pretty simple

- Course covered a lot of material very effectively, assignments were made to promote learning and not extremely hard. Samir is a very good professor who explains the material very simply and in multiple different ways. If you don't understand something explained one way, he is happy to answer your question and show you from a different perspective. Highly recommend!

14. Exams/Quizzes/Papers:

- good

- The quizzes were relevant to the lessons and are pretty easy to do in the time allotted if you review your notes right before taking it.

- The exams had a few questions, which is always concerning as minor errors can hav significant harm on your grades. However, exams were always very relevant to class material. All questions were covered in either assignments , lecture , or discussion sections

- they are challenging, but the help outside of class made it easier for me.

- It feels like the homework and the actual class quizzes are from 2 different courses. This has not been a cohesive learning experience, more of a learning the book to do the homework and coasting on class lecture for quizzes

- Not difficult at all.

- The exams were representative of course material.

- The quizzes represent what we learn in class and what is on the homework and you are given enough time to complete them to the best of your ability.

- The weekly quizzes were fairly representative of the course material. I felt that if I had gathered understanding of the lectures and done most of the corresponding week's homework, I would be pretty well-prepared for the exam.

- Reviewing homework assignments will definitely help with the quizzes and exams.

- Exams and Quizzes are actually based off of what you know, there's no trick question or any questions where you think to yourself "I don't remember learning this". Exams actually test to make sure you understand the material

- The quizzes are mostly based on the content professor covered in class and the problems we do on the worksheet, so as long as you listen to the class carefully and do all the required practice problems, there is no way you cannot get a good score!

- I think the hw amount and the difficulties of the quiz are solid. Mylab is tough but it helps a lot for studying.

15. Reading [title(s) and comments]:

- I don't really do the reading throughout this couse, I only rewatch the lecture and the lecture note to help me study for the Quiz.

- Required homework service/textbook is overpriced.

- We used "Linear Algebra and Its Applications" sixth edition by Lay , Lay , and McDonald. We covered about half of the book. Reading was helpful for supplementing lecture. However, class could be managed well enough without it if textbook costs are any concern. That is , with a minimal exposure to linear algebra concepts.

- There wasn't much reading as one could just compare their notes to the lecture notes to see what they missed.

- Canning is a very chill and responsible professor, really recommend you to take his courses!

- good

INSTRUCTOR Samir Canning

16. Instructor displays a proficient command of the material.

0 (0.0%):	Strongly Disagree
0 (0.0%):	Disagree
0 (0.0%):	Neither Agree nor Disagree
20 (30.3%):	Agree
45 (68.2%):	Strongly Agree
1 (1.5%):	Not Applicable
3:	[No Response]

17. Instructor is well prepared for classes.

0 (0.0%):	Strongly Disagree
0 (0.0%):	Disagree
1 (1.5%):	Neither Agree nor Disagree
17 (26.2%):	Agree
46 (70.8%):	Strongly Agree
1 (1.5%):	Not Applicable
4:	[No Response]

18. Instructor's speech is clear and audible.

0 (0.0%):	Strongly Disagree
0 (0.0%):	Disagree
1 (1.5%):	Neither Agree nor Disagree
19 (28.8%):	Agree
46 (69.7%):	Strongly Agree
0 (0.0%):	Not Applicable
3:	[No Response]

19. Instructor explains the course material well.

0 (0.0%):	Strongly Disagree
0 (0.0%):	Disagree
0 (0.0%):	Neither Agree nor Disagree
28 (42.4%):	Agree
37 (56.1%):	Strongly Agree
1 (1.5%):	Not Applicable
3:	[No Response]

20. Lectures hold your attention.

0 (0.0%):	Strongly Disagree
1 (1.5%):	Disagree
7 (10.6%):	Neither Agree nor Disagree
34 (51.5%):	Agree
24 (36.4%):	Strongly Agree
0 (0.0%):	Not Applicable
3:	[No Response]

21. Instructor's lecture style facilitates note-taking.

0 (0.0%):	Strongly Disagree
2 (3.0%):	Disagree
6 (9.1%):	Neither Agree nor Disagree
24 (36.4%):	Agree
34 (51.5%):	Strongly Agree
0 (0.0%):	Not Applicable
3:	[No Response]

22. Instructor shows concern for students' learning.

0 (0.0%):	Strongly Disagree
0 (0.0%):	Disagree
0 (0.0%):	Neither Agree nor Disagree
22 (33.8%):	Agree
43 (66.2%):	Strongly Agree
0 (0.0%):	Not Applicable
4:	[No Response]

23. Instructor promotes appropriate questions/discussion.

0 (0.0%):	Strongly Disagree
0 (0.0%):	Disagree
2 (3.1%):	Neither Agree nor Disagree
19 (29.2%):	Agree
43 (66.2%):	Strongly Agree
1 (1.5%):	Not Applicable
4:	[No Response]

24. Instructor is accessible outside of class.

0 (0.0%):	Strongly Disagree
0 (0.0%):	Disagree
6 (9.1%):	Neither Agree nor Disagree
28 (42.4%):	Agree
30 (45.5%):	Strongly Agree
2 (3.0%):	Not Applicable
3:	[No Response]

25. Instructor starts and finishes class on time.

0 (0.0%):	Strongly Disagree
0 (0.0%):	Disagree
2 (3.0%):	Neither Agree nor Disagree
21 (31.8%):	Agree
42 (63.6%):	Strongly Agree
1 (1.5%):	Not Applicable
3:	[No Response]

26. Instructor is effective in promoting academic integrity.

0 (0.0%):	Strongly Disagree
0 (0.0%):	Disagree
0 (0.0%):	Neither Agree nor Disagree
25 (37.9%):	Agree
39 (59.1%):	Strongly Agree
2 (3.0%):	Not Applicable
3:	[No Response]

27. The instructor practiced effective teaching strategies that acknowledged and valued differences among students, including differences of race and gender identity.

0 (0.0%):   Strongly Disagree
0 (0.0%):   Disagree
2 (3.0%):   Neither Agree nor Disagree
25 (37.9%):   Agree
33 (50.0%):   Strongly Agree
6 (9.1%):   Not Applicable
3:      [No Response]

28. Instructor Samir Canning:

- He's been great!

- mindful of timing of class and gave us breaks. cute. taught really well. give him a raise

- Great! Mr. Canning is really nice, and he made the content easy to understand.

- Professor Canning is a great, patient professor who cares about whether students are actually understanding the material. He is also open to students' suggestions and questions during and out of class.

- He is very clear and consise in his lectures and his notes are easy to refer back to and read . Also, he provides a lot of examples within the notes and recaps the previous lesson in each lecture that also helped my understanding of the course material.

- He did a great job teaching this class. Especially considering this was the first class he'd taught. Thank you for a great class Professor!

- he is a new teacher, but he is very patient and nice.

- Samir Canning was understanding of circumstances for a remote class during Covid. They were punctual and helpful. Any time we had questions as a class they were answered, and our participation was valued. Any slight errors in previous classes were always addressed in the next class.

- Recommend this professor he explains things and concepts well and clearly.

- Great guy 10/10 would enrol in any of his classes again

- Professor Canning was a great instructor, as he encouraged discussion and showed genuine interest in our learning. I could tell that he actually cared about whether we were understanding and caring about the content or not. Additionally, he was really good at answering our questions, as he would sometimes improvise and create examples to help us better understand the material. Lastly, although there were sometimes when he would make accidental mathematical errors (as everyone does), he always goes back and fixes the mistake, while also making it a lesson by telling us to always check our work. I would definitely recommend Professor Canning and would also absolutely be interested in any of his other courses.

- He's a great professor who's gone above and beyond for our class and his students! I am so appreicate of him and all of the support :)

- I had my response in the previous question already.

- Canning is a great instructor. he made the material easier to digest. linear algebra is a tough course, but the instructor explained the material clearly and provided sufficient help outside of class.

- So far the best professor Ive had at UCSD, and I'm still surprised myself that it was for a math class. He responds to emails and student questions very fast and overall provides and environment and resources to help your learn. I usually hate math classes but this course was fun and didn't make me sad or anxious thinking about exams since I knew that Samir goes into detail in topics covered as well as proofs.

29. Do you recommend this professor overall?

67 (100.0%):	Yes
0 (0.0%):	No
2:	[No Response]

CUSTOM QUESTIONS

30. The size of the lecture was appropriate for of the educational goals of the course.

0 (0.0%):	Strongly Disagree
0 (0.0%):	Disagree
6 (9.0%):	Neither Agree nor Disagree
27 (40.3%):	Agree
29 (43.3%):	Strongly Agree
5 (7.5%):	Not Applicable
2:	[No Response]

31. The size of the discussion section was appropriate for of the educational goals of the course.

0 (0.0%):	Strongly Disagree
0 (0.0%):	Disagree
7 (10.4%):	Neither Agree nor Disagree
31 (46.3%):	Agree
21 (31.3%):	Strongly Agree
8 (11.9%):	Not Applicable
2:	[No Response]

32. There were a sufficient number of lectures of this course offered to allow for flexibility in my schedule.

0 (0.0%):	Strongly Disagree
2 (3.0%):	Disagree
4 (6.0%):	Neither Agree nor Disagree
27 (40.3%):	Agree
31 (46.3%):	Strongly Agree
3 (4.5%):	Not Applicable
2:	[No Response]

33. The instructor was responsive to my questions in (and outside of) class.

0 (0.0%):   Strongly Disagree
0 (0.0%):   Disagree
5 (7.5%):   Neither Agree nor Disagree
25 (37.3%):   Agree
35 (52.2%):   Strongly Agree
2 (3.0%):   Not Applicable
2:                 [No Response]

34. The prerequisites for this class were good preparation for success (Please answer only if you completed the prerequisites AT UCSD).

0 (0.0%):   Strongly Disagree
2 (3.1%):   Disagree
2 (3.1%):   Neither Agree nor Disagree
17 (26.6%):   Agree
20 (31.3%):   Strongly Agree
23 (35.9%):   Not Applicable
5:                 [No Response]

Custom Question 5

35. Please provide examples of the ways the instructor did or did not create a learning environment that welcomed, challenged, and supported all students.

- The Professor would check in to make sure students were understanding, ask questions and always waited for student participation, and welcomed questions.

- I personally think Professor Canning is very responsive to each question toward individual student and I think maybe Professor Canning could try thing like group quiz next time to increase the discussion frequency between each student.

- One thing that would be great is if there was a class piazza so we can easily communicate with the instructors,TAs, and fellow classmates. Also we would be able to see questions other students have about the course that could be important for us to know.

- he will answer questions we ask in the class so that I can understand very clearly

- The instructor had more than enough discussion sections and SI sections. There was no excuse to reach for assistance and ask questions. Furthermore Samir was willing to go into detail to explain concepts or ideas you struggled on even if it was in the middle of class. One thing I really liked was solving a question (worksheet) after covering a fresh topic to gage if we truly understood the material then we go over it together. This process was fundamental to my understanding of the course.

- Requests for clarification involved different visualizations and paths of logic rather than a replay of the last explanation. Essential proofs were covered in class. Idle participation from the whole class was noticed and addressed with direct questions to the student body or otherwise. Online tests were made with consideration for time needed to upload pdfs.

- encouraged participation but did not force it

- The instructor prepared notes beforehand and as he taught he asked questions. If the students had any questions, he would add another slide to the notes to explain to them.

Please note that any responses or comments submitted by evaluators do not necessarily reflect the opinions of instructors, Mathematics, Academic Affairs, or UC San Diego. Responses and comments are made available without auditing or editing, and they may not be modified or deleted, to ensure that each evaluator has an opportunity to express his or her opinion.