Rutgers University Student Instructional Rating
Spring 2021

Echeverria Echeverria, Mariano - ME498
Multivariable Calculus - 01:640:251:H1, H2, H3
Survey Form: *Standard SIRS

Enrollment: 25
Responses Received: 15

The Student Instructional Ratings Surveys should be considered within the context of the global health emergency. Rutgers University has decided that some instructors have flexibility in choosing whether to include the Spring 2021 SIRS results in promotion and rehiring materials. Details may vary by campus, rank, or position; please confer with your department chair for more information.

Special University-wide Questions for Spring 2021

Due to the challenges created by the Covid-19 pandemic, three additional questions were added to the Spring 2021 survey.

Weight of responses: 1=SD (Strongly Disagree), 2=D (Disagree), 3=N (Neutral), 4=A (Agree), 5=SA (Strongly Agree), Resp=Number of Student Responses
Weighted Means: Section, Course, Level, Department

	SD	D	N	A	SA	Resp	Section	Course	Level	Dept
Given the content and level of the course, the course workload was manageable.	0	0	1	9	5	15	**4.27**	3.95	4.12	3.96
The course site used for this course, whether in Canvas, Sakai, or Blackboard, was well organized.	0	0	0	8	7	15	**4.47**	4.35	4.25	4.21
The instructions given for assignments, exams, quizzes, and other course activities were clear and easy to understand.	0	0	0	3	12	15	**4.80**	4.25	4.15	4.03

University-wide Instructor Questions

Weight of responses: 1=SD (Strongly Disagree), 2=D (Disagree), 3=N (Neutral), 4=A (Agree), 5=SA (Strongly Agree), Resp=Number of Student Responses
Weighted Means: Section, Course, Level, Department

	SD	D	N	A	SA	Resp	Section	Course	Level	Dept
The instructor Mariano Echeverria Echeverria was prepared for class and presented the material in an organized manner.	0	0	0	1	14	15	**4.93**	4.46	4.36	4.28
The instructor Mariano Echeverria Echeverria responded effectively to student comments and questions.	0	0	0	1	14	15	**4.93**	4.52	4.34	4.26
The instructor Mariano Echeverria Echeverria generated interest in the course material.	0	0	0	4	11	15	**4.73**	4.32	4.18	4.07
The instructor Mariano Echeverria Echeverria had a positive attitude toward assisting all students in understanding course material.	0	0	0	0	15	15	**5.00**	4.59	4.41	4.33
The instructor Mariano Echeverria Echeverria assigned grades fairly.	0	0	0	0	15	15	**5.00**	4.52	4.32	4.17
The instructional methods of Mariano Echeverria Echeverria encouraged student learning.	0	0	0	1	14	15	**4.93**	4.42	4.21	4.09

Teaching Effectiveness

Weight of responses: 1=P (Poor), 2=F (Fair), 3=A (Average), 4=G (Good), 5=E (Excellent), Resp=Number of Student Responses
Weighted Means: Section, Course, Level, Department

	P	F	A	G	E	Resp	Section	Course	Level	Dept
I rate the teaching effectiveness of the instructor Mariano Echeverria Echeverria as:	0	0	0	1	14	15	**4.93**	4.47	4.26	4.11

University-wide Course Questions

Weight of responses: 1=SD (Strongly Disagree), 2=D (Disagree), 3=N (Neutral), 4=A (Agree), 5=SA (Strongly Agree), Resp=Number of Student Responses
Weighted Means: Section, Course, Level, Department

	SD	D	N	A	SA	Resp	Section	Course	Level	Dept
I learned a great deal in this course.	0	0	0	3	12	15	**4.80**	4.31	4.19	4.01
I had a strong prior interest in the subject matter and wanted to take this course.	0	0	4	7	4	15	**4.00**	3.80	3.72	3.45

Course Quality

Weight of responses: 1=P (Poor), 2=F (Fair), 3=A (Average), 4=G (Good), 5=E (Excellent), Resp=Number of Student Responses
Weighted Means: Section, Course, Level, Department

	P	F	A	G	E	Resp	Section	Course	Level	Dept
I rate the overall quality of the course as:	0	0	0	8	7	15	**4.47**	4.15	4.03	3.82

What do you like best about this course?

These comments are intended for all instructors.

Comments
I like the fact that there are many tests, quizzes, and assignments that each count for a reasonable percentage of our grade instead of very few tests and assignments that each count for a huge percentage. This allows for more opportunities to improve our grades even if we accidentally mess up on a midterm.
The lectures were all fun and helpful in understanding the course material. The visual demonstrations in class using Geogebra or objects in Professor Mariano's house were very helpful in understanding concepts. I loved the practice tests, and I think they really helped me prepare for the exams.
The content itself, and the complementary videos about phenomena related to multivariable calculus.
I liked the material to some extent.
How Professor Echeverria is genuinely enthusiastic about the material, and is great at explaining things.

If you were teaching this course, what would you do differently?

These comments are intended for all instructors.

Comments
Sometimes, the methods that are taught in lectures are not the same as what is taught in recitation, and it would have been easier to follow if instructor Hamidreza and Professor Echeverria could maybe coordinate that a little better.
I would ease the students into their first Matlab assignment more gently. A lot of my classmates as well as myself had no prior knowledge in programming, and the assignment was very lengthy and difficult for us. Our TA was not very helpful in preparing us for the assignment.
More textbook homework problems, as they tend to be of higher quality than MyLab homework problems.
I would maybe try to micromanage a little bit more so that students are up to speed on homework that needs to be done at the time of an exam. The shorter deadlines may incentivize quicker and maybe more thorough engagement with course material.
More focus on the ending material from 16.4 onwards.
Nothing, Professor Echeverria was amazing!

In what ways, if any, has this course or the instructor Mariano Echeverria Echeverria encouraged your intellectual growth and progress?

These comments are unique to the instructor Mariano Echeverria Echeverria.

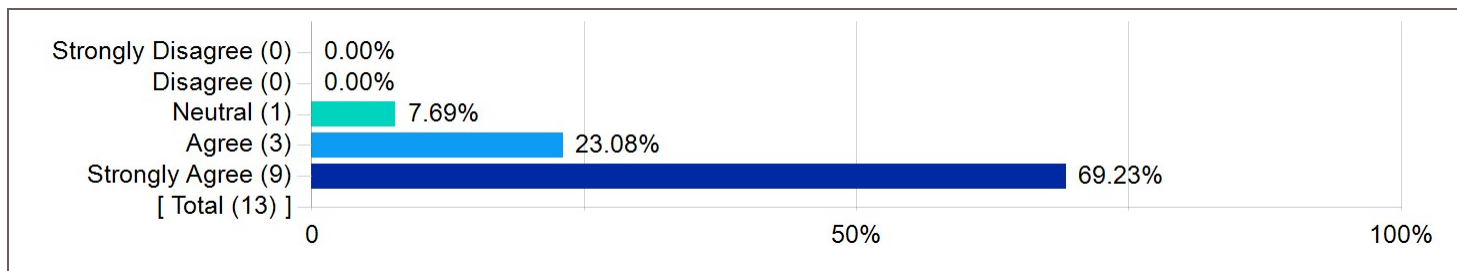| Comments |
|---|
| Professor Echeverria presents information in a way that is easy to follow and he even tries to physically demonstrate a few concepts during lectures, which also aids understanding. He is also very reasonable, understanding, and replies to emails super fast, so whenever we have issues, they are solved pretty much immediately. |
| Professor Mariano's enthusiasm in teaching this course made it interesting and fun to learn. He was also mindful in asking the class if we all understood the material, which encouraged students who didn't understand to speak up so he could spend more time explaining the subject. This was very beneficial. I fully enjoyed this class and wish that I could've taken it in person. |
| He helped me develop much interest in the course, and simplified the concepts and techniques of the topics well. |
| He always made sure we understood the topics when someone asked a question, and made even the boring material interesting and exciting. Also, when someone wasn't getting a concept at first he would be able to explain it different ways to help the learning. |

Other comments or suggestions:

These comments are intended for all instructors.

Comments
Even though math isn't really my strong suit and I generally dislike it, I feel like I learned a lot, and I actually found myself liking math a little more after this class!
I think it would be beneficial if, in the future, the TA graded all of the week's quizzes by the next week's recitation. Because of the long period after taking the quizzes before seeing our grades, it was kind of hard to review them.
The instructors were great and competent in fostering an environment for students to learn the course. They helped create routes to understanding the content, as well as helping struggling students, whether it was with understanding concepts, or permitting homework extensions, and the like.

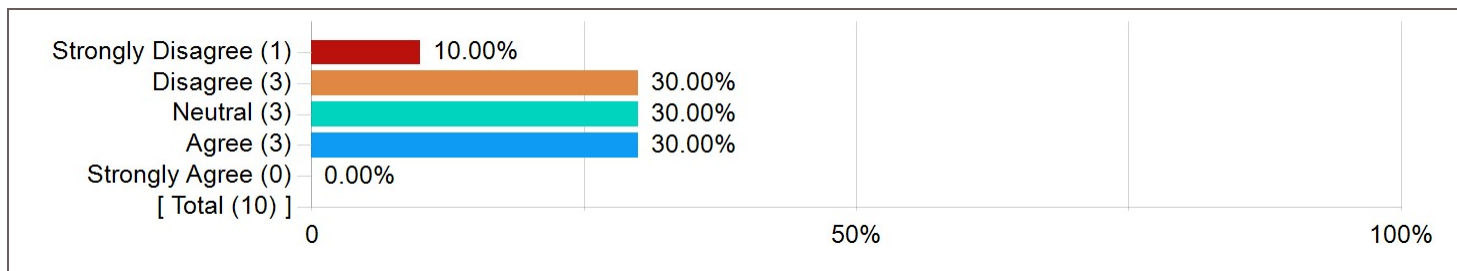## Questions added for: *Standard SIRS

Weighted Means: Section, Course, Level, Department

The lecturer posted content that helped me understand the topics covered in the online lectures.

Strongly Disagree (0) — 0.00%
Disagree (0) — 0.00%
Neutral (1) — 7.69%
Agree (3) — 23.08%
Strongly Agree (9) — 69.23%
[Total (13)]

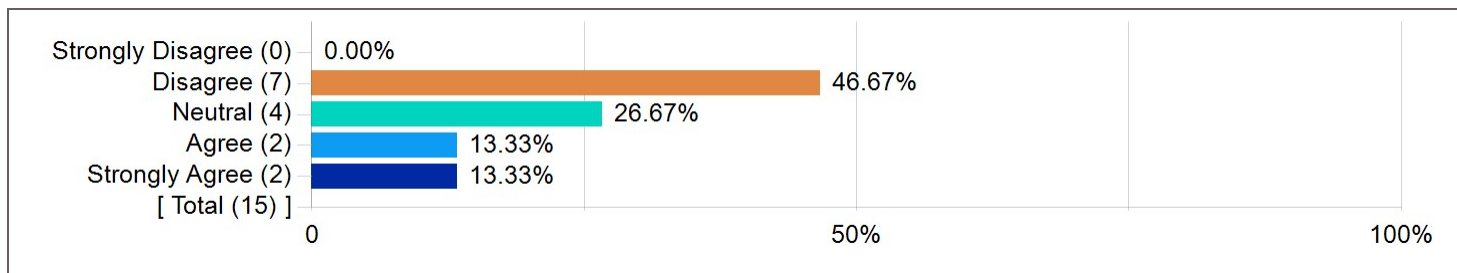| Section	Course	Level	Dept
4.62	4.31	4.13	4.05

The recitation/workshop instructor posted content that helped me understand the topics covered in the online recitations/workshops.

Strongly Disagree (1) — 10.00%
Disagree (3) — 30.00%
Neutral (3) — 30.00%
Agree (3) — 30.00%
Strongly Agree (0) — 0.00%
[Total (10)]

Section	Course	Level	Dept
2.80	4.23	4.07	3.89

I was glad to take this course in an online format; for me it is the preferred format for this course.

	Strongly Disagree (0)	0.00%
	Disagree (7)	46.67%
	Neutral (4)	26.67%
	Agree (2)	13.33%
	Strongly Agree (2)	13.33%
	[Total (15)]	

Section	Course	Level	Dept
2.93	3.19	3.25	3.10

Questions Chosen by Instructor

I would recommend this course to other students.

	Strongly Disagree (0)	0.00%
	Disagree (1)	7.69%
	Neutral (0)	0.00%
	Agree (6)	46.15%
	Strongly Agree (6)	46.15%
	[Total (13)]	
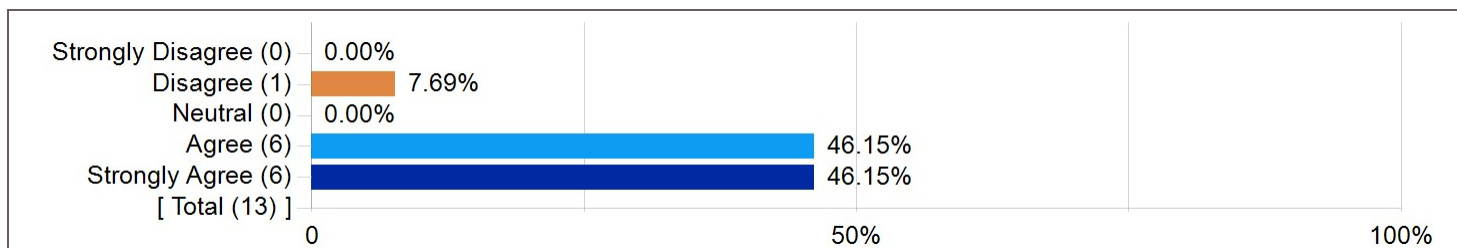
Statistics	Value
Response Count	13
Mean	4.31
Median	4.00

Since the beginning of this course how many hours a week, on average, have you spent on this course in addition to class time?

	1 or less (1)	6.67%
	2 - 3 (0)	0.00%
	3 - 4 (5)	33.33%
	5 - 6 (4)	26.67%
	6 - 7 (3)	20.00%
	8 - 9 (1)	6.67%
	10 or more (1)	6.67%
	[Total (15)]	
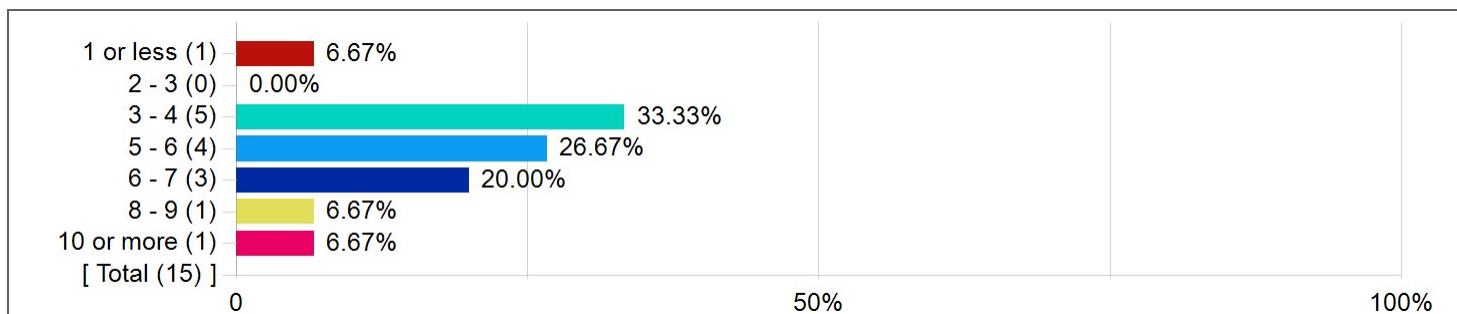
Statistics	Value
Response Count	15
Mean	4.00
Median	4.00

The workload for the course was appropriate.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (1)	6.67%
4 Agree (10)	66.67%
5 Strongly Agree (4)	26.67%
[Total (15)]	

Statistics	Value
Response Count	15
Mean	4.20
Median	4.00
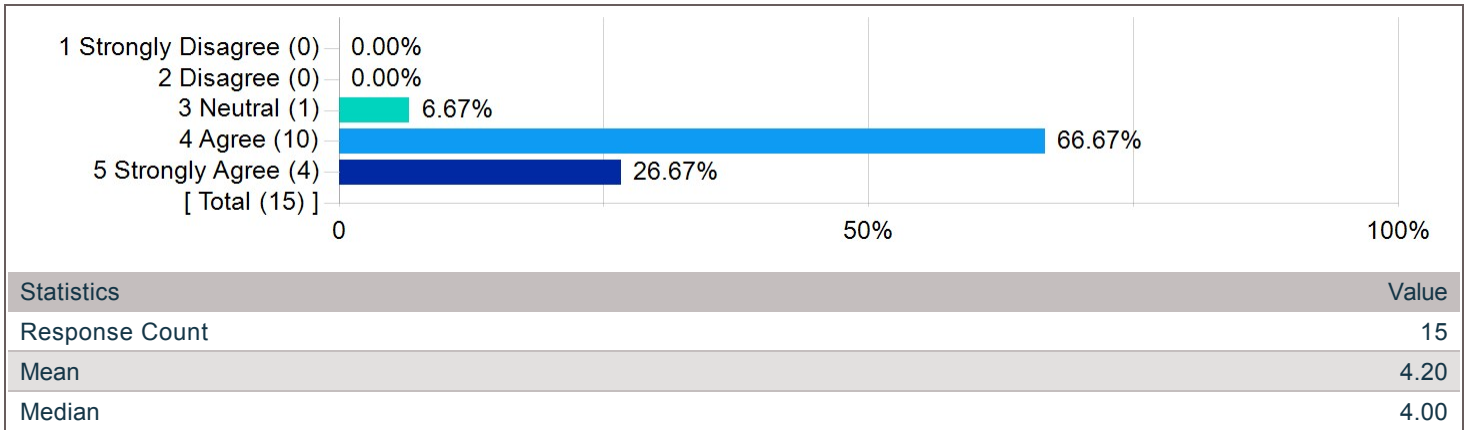
The difficulty of the exams was reasonable

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (3)	20.00%
4 Agree (8)	53.33%
5 Strongly Agree (4)	26.67%
[Total (15)]	

Statistics	Value
Response Count	15
Mean	4.07
Median	4.00
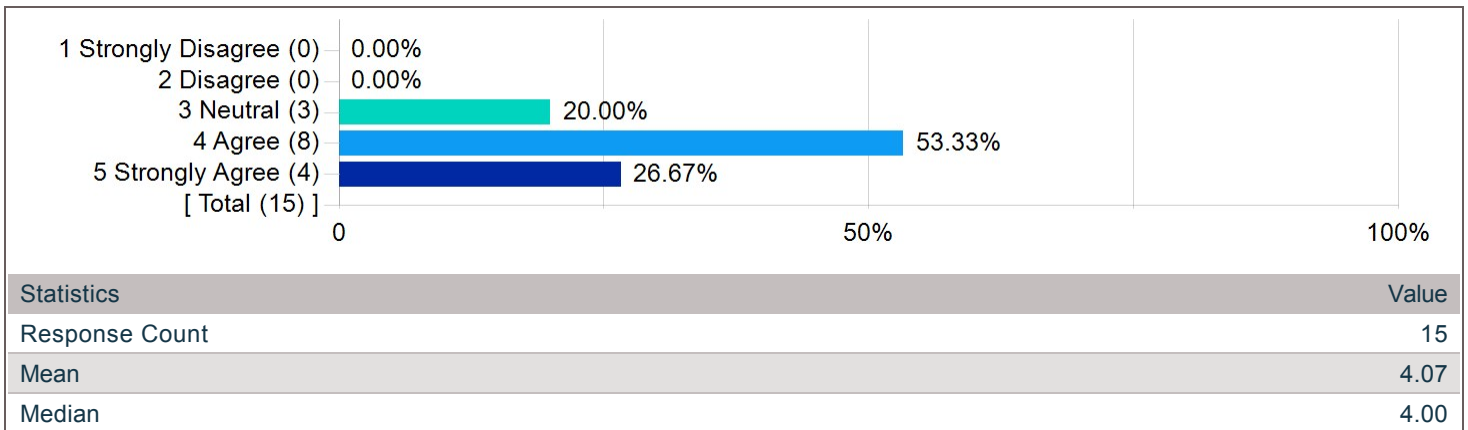
The instructor Mariano Echeverria Echeverria used real world examples to explain course content.

Strongly Disagree (0)	0.00%
Disagree (0)	0.00%
Neutral (1)	6.67%
Agree (7)	46.67%
Strongly Agree (7)	46.67%
[Total (15)]	

Statistics	Value
Response Count	15
Mean	4.40
Median	4.00
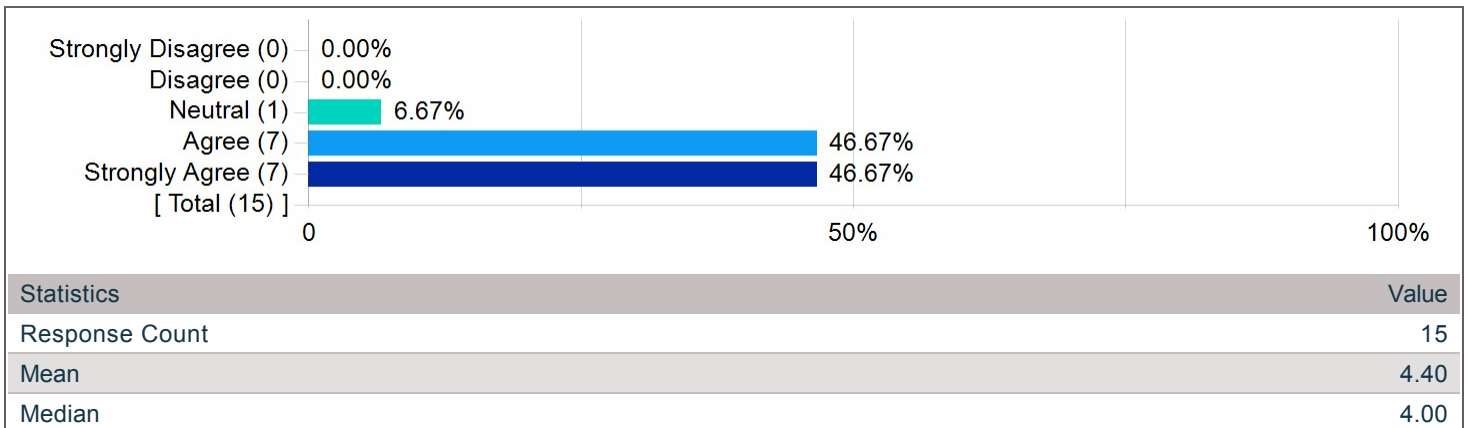
The course met the objectives in the syllabus.

Strongly Disagree (0)	0.00%
Disagree (0)	0.00%
Neutral (0)	0.00%
Agree (5)	33.33%
Strongly Agree (10)	66.67%
[Total (15)]	

0   50%   100%

Statistics	Value
Response Count	15
Mean	4.67
Median	5.00