



## Rutgers University Student Instructional Rating

Spring 2020

Half of semester taught remotely due to Covid-19

### Zhu, Songhao - SZ446

Diff Eqs/engr&phys - 01:640:244:20, 21, 22

Survey Form: \*Standard SIRS

Enrollment: 77

Responses Received: 50

The Student Instructional Ratings Surveys should be considered within the context of the global health emergency of Spring 2020. The considerable changes in instructional and pedagogical formats necessitated by the COVID-19 pandemic imply that caution should be exercised when comparing these results to other instructors or terms. The course, level, and department means reflect the current circumstance and are still provided to allow a comparative measure within the conditions of the semester.

Rutgers University has decided that instructors have flexibility in choosing how or whether to include the Spring 2020 SIRS results in promotion and rehiring materials. Details may vary by campus, rank, or position; please confer with your department chair for more information.

### University-wide Questions on Move to Remote Learning Due to Covid-19 Response

**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
Despite the abrupt change to remote instruction due to the Covid-19 disruption, the instructor Songhao Zhu offered an effective learning experience in this course.	0	1	3	18	26	48	<b>4.44</b>	4.45	4.20	4.20

**Note:** A low numerical rating for this question indicates the students do not perceive a negative impact on their learning.

	SD	D	N	A	SA	Resp	Section	Course	Level	Dept
The move to remote instruction, due to the Covid-19 response, <b>adversely</b> impacted my learning in this course.	7	11	14	9	8	49	<b>3.00</b>	3.35	3.52	3.63

## 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 Songhao Zhu was prepared for class and presented the material in an organized manner.	0	1	0	18	30	49	<b>4.57</b>	4.55	4.34	4.33
The instructor Songhao Zhu responded effectively to student comments and questions.	0	1	5	13	30	49	<b>4.47</b>	4.53	4.30	4.29
The instructor Songhao Zhu generated interest in the course material.	0	2	6	15	26	49	<b>4.33</b>	4.32	4.09	4.11
The instructor Songhao Zhu had a positive attitude toward assisting all students in understanding course material.	0	3	1	14	31	49	<b>4.49</b>	4.61	4.40	4.39
The instructor Songhao Zhu assigned grades fairly.	0	2	0	18	29	49	<b>4.51</b>	4.47	4.26	4.22
The instructional methods of Songhao Zhu encouraged student learning.	0	2	5	16	26	49	<b>4.35</b>	4.42	4.16	4.14

## 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 Songhao Zhu as:	0	2	2	17	28	49	<b>4.45</b>	4.51	4.18	4.17

## 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.	1	0	3	18	27	49	<b>4.43</b>	4.38	4.20	4.14
I had a strong prior interest in the subject matter and wanted to take this course.	1	6	8	24	10	49	<b>3.73</b>	3.66	3.70	3.50

## 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	4	17	26	47	<b>4.47</b>	4.37	4.04	3.96

## What do you like best about this course?

These comments are intended for all instructors.

Comments
Great teachers.
The course was broken down into parts that really helped me understand all course materials.
friendly, approachable, and understanding professor. didn't go work—crazy when switched to online, instead simplified the process and I am immensely grateful and wish more professors could follow.
Everything, we went at a good pace and all of the material was explained very well through both lecture and recitation.
The class notes
finding eigenvalues
I like how the professor did not mind taking the time to answer student questions to make sure that we understood the material
The pace was perfect and the professors were clear in the expectations they had for what we needed to know
The lectures
efficient teaching
The structure of the lectures were well thought out and easy to follow.
The professor's personality made me enjoy the course and made it better than what I expected.
Clear and understanding lectures and recitations
I liked how the course was sort of a reverse method of calculus. It combined all my knowledge of math into one course. I enjoyed this because I got to use all my knowledge to solve different problems.
The professor was extremely understanding and helpful. He took in a way that was very understandable.
I liked that the exams, quizzes, and lectures were made for a student to actually understand the material. We were set up to succeed.
What I liked best about the course was the material we learned.
Menke was an extremely good instructor who created a super positive learning environment where any question would be answered thoroughly.
The ability of both Professor Menke and Mr Songhao to answer questions effectively.
the course has many applications for real-world engineering problems, and I thought this class was practical and useful.
Made expectations of what students should know very clear
The time of the lectures were good, as the brain is receptive to new ideas early in the morning
Michael Menke was a great professor who actually helped me understand the material and made it easier for me to do well on the exams

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

These comments are intended for all instructors.

Comments
Nothing.
The way it was taught was great. I would not change it.
keep doing you
Make some of the in class examples a little bit more difficult.
nothing
Nothing this course was as perfect as differential equations could be
Nothing
N/A
nothing differently
I don't feel like the maple labs helped in any way, even though we only got to do one this semester it was really stressful.
Nothing really.
I would provide more direct suggested homework problems that dont rely on the edition of the textbook but instead are universal, so maybe more worksheets?
Nothing
I would do nothing different.
I would make every handout available online like they did because of online learning.
Make the recitation less abstract
Not much
Only problem I had was with online lectures and internet problems which made concentrating hard and lost some motivation

## In what ways, if any, has this course or the instructor Songhao Zhu encouraged your intellectual growth and progress?

These comments are unique to the instructor Songhao Zhu.

Comments
Best TA at Rutgers!
He worked with me one-on-one to help me catch up and better understand material for upcoming exams.
One of the better TA that I have had at rutgers
n/a
N/A
Good worksheets
He gave out printed out notes and practice problems. Before the Covid-19 mess, working in groups helped with the understanding of the subject material.
The TA has encouraged me to think more about how calculus factors into everyday life.
He paces the recitations well and effectively answers questions
Songhao made concise worksheets with notes each recitation, which was very helpful.
not too much
Through the use of his website, Songhao provided us with study materials
I liked the style of him giving us problems to do, giving us time to do them, and then going over them, but i felt like some of the problems were confusing and used a different method of solving then the lectures used

Other comments or suggestions:

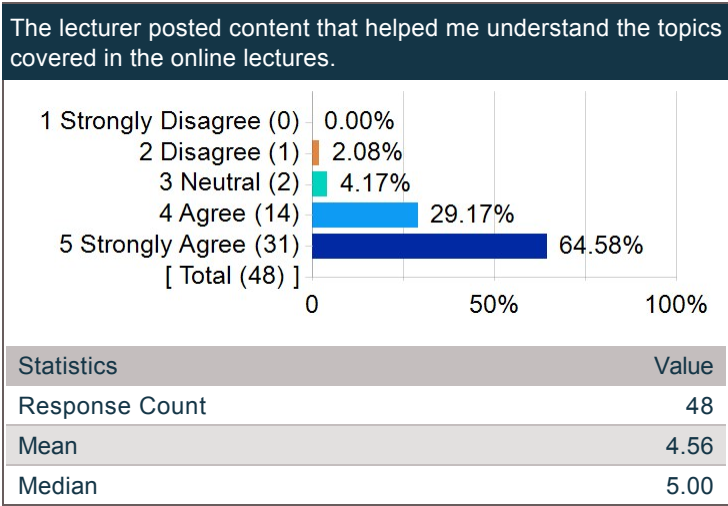
These comments are intended for all instructors.

Comments
Nothing.
None
This course was great – I think all math classes should be taught like this one
N/A
None
none
Practice exams would have been nice for the first exam
I already took diff eq in highschool why did you guys make me retake this course. there should be a pretest and if you do well you get credit for the course

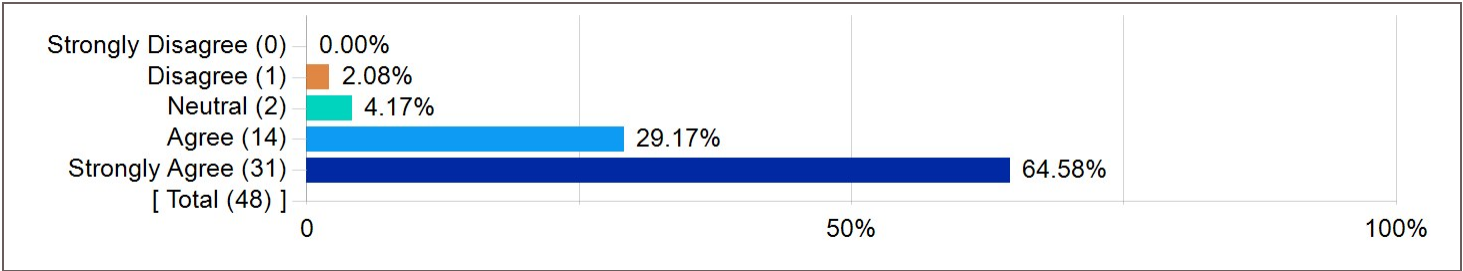
Questions added for: \*Standard SIRS

Weighted Means: Section, Course, Level, Department

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

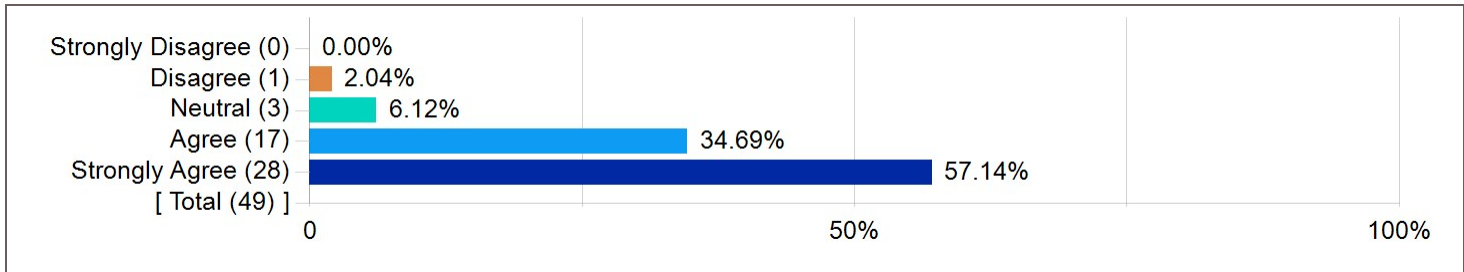


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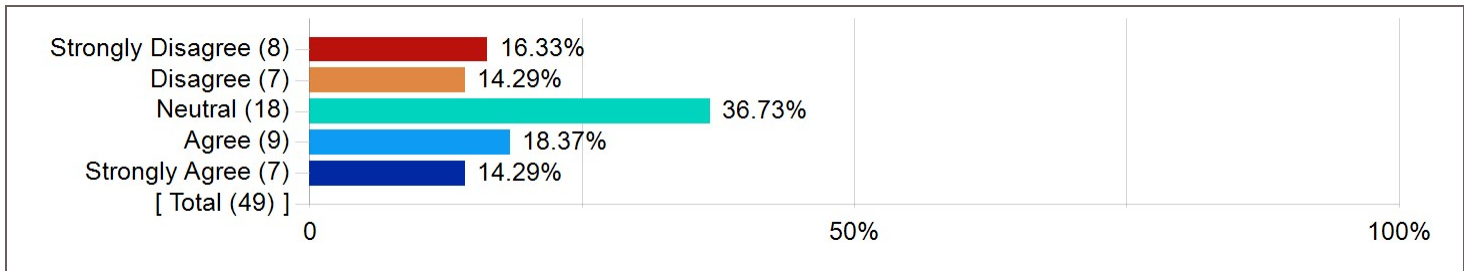
Section	Course	Level	Dept
4.56	4.37	4.16	4.19

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



Section	Course	Level	Dept
4.47	4.39	4.01	3.95

I found it easier to participate in this course once it became an online course.



Section	Course	Level	Dept
3.00	3.03	2.94	2.92