Arts and Sciences Student Course Opinion Questionnaire (Spring 2023) Completed

☐ Spring Semester 2023 / Student Course Evaluation (End of Term) / Anonymous Survey Course Assignments: 1297 / Survey Participants: 21739

Schedule: 4/17/2023 to 4/28/2023

Results Available: 6/1/2023



This survey completed on Friday, April 28, 2023 at 11:59PM.

Institution: University of Rochester

College: School of Arts and Sciences

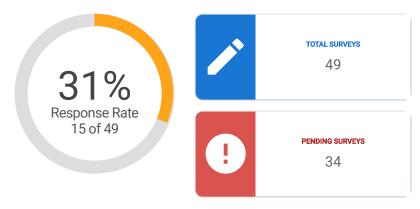
Department: Mathematics

Course Section: MATH 150 2 Discrete Mathematics

Course Section Director: A NA

Instructor: Sergio Chaves

II Survey Overview: Course Section Results Aggregate



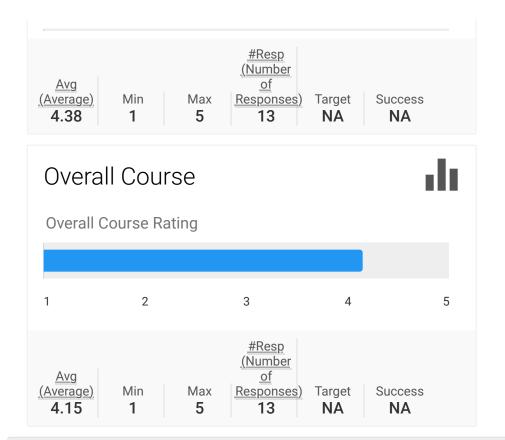


Il Survey Metrics: Course Section Results Aggregate

Overall Instructor

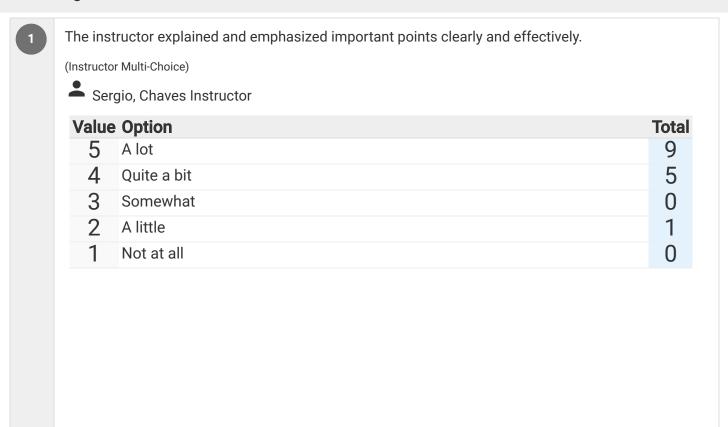
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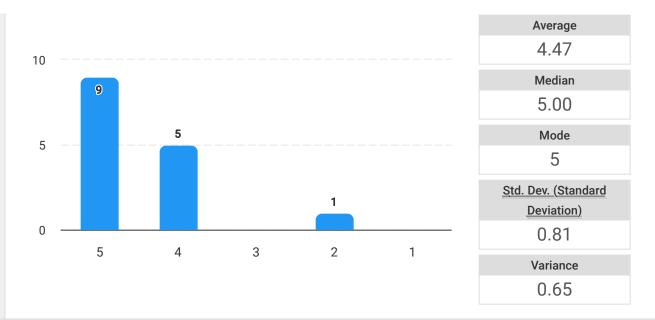
Overall Instructor Rating



Il Survey Data: Course Section Results Aggregate

Teaching Skills



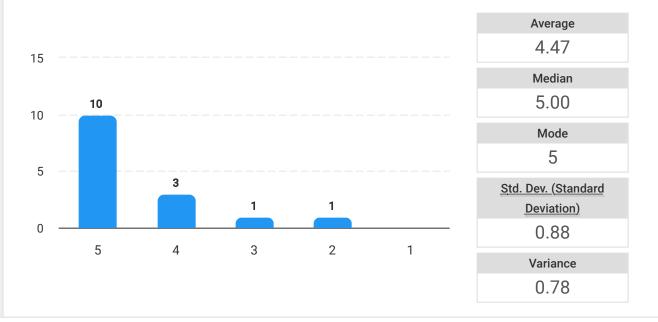


The instructor used examples that helped with understanding the material.

(Instructor Multi-Choice)

Sergio, Chaves Instructor

Value	Value Option		
5	A lot	10	
4	Quite a bit	3	
3	Somewhat	1	
2	A little	1	
1	Not at all	0	

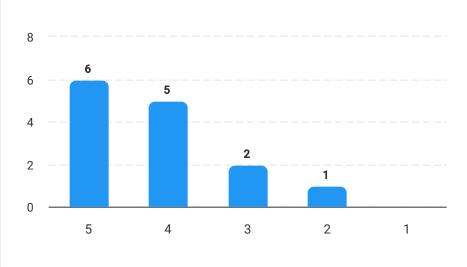


The instructor noticed when students did not understand and adjusted accordingly.

(Instructor Multi-Choice)



Value	Value Option T		
5	A lot	6	
4	Quite a bit	5	
3	Somewhat	2	
2	A little	1	
1	Not at all	0	



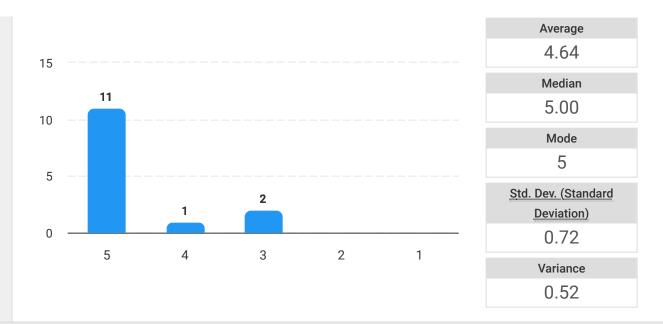
Average
4.14
Median
4.00
Mode
5
Std. Dev. (Standard Deviation)
0.91
Variance
0.84

Rapport with Students

The instructor demonstrated sincere respect for students.

(Instructor Multi-Choice)

Value	Value Option		
5	A lot	11	
4	Quite a bit	1	
3	Somewhat	2	
2	A little	0	
1	Not at all	0	

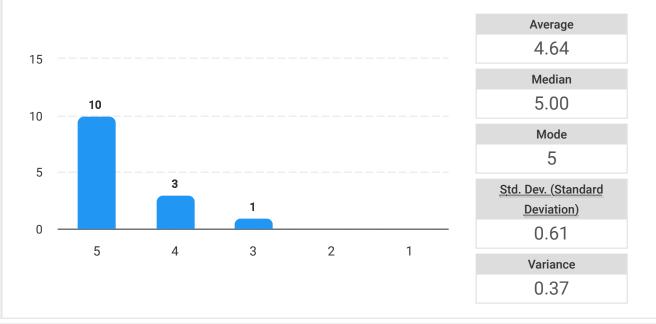


The instructor was willing to listen to student questions and/or opinions.

(Instructor Multi-Choice)

Sergio, Chaves Instructor

Value	Value Option		
5	A lot	10	
4	Quite a bit	3	
3	Somewhat	1	
2	A little	0	
1	Not at all	0	



The instructor made himself/herself available for extra help. (Instructor Multi-Choice)



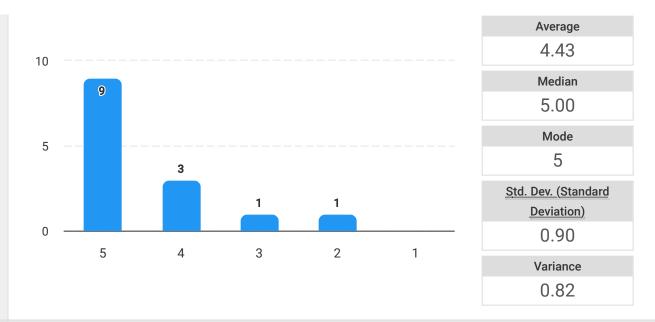
Quality of exams/assignments

The exams/assignments covered important aspects of the course.

(Multi-Choice, Single Answer)

Value	Value Option	
5	A lot	9
4	Quite a bit	3
3	Somewhat	1
2	A little	1
1	Not at all	0

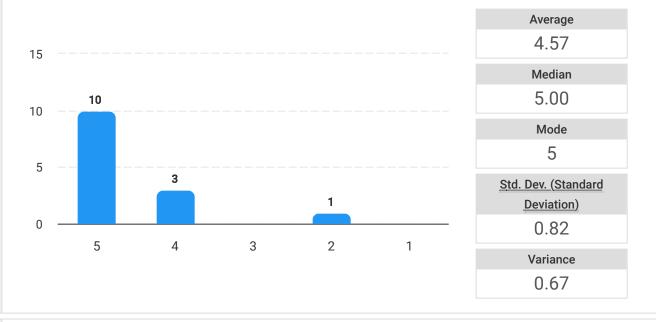
Variance 0.80



8 The assignments were helpful in understanding the material.

(Multi-Choice, Single Answer)

Value	Value Option		
5	A lot	10	
4	Quite a bit	3	
3	Somewhat	0	
2	A little	1	
1	Not at all	0	



The exams/assignments were clearly worded.

(Multi-Choice, Single Answer)

'alue	Option						Tota
5	A lot						7
4	Quite a b	it					5
3	Somewh	at					1
2	A little						1
1	Not at all						0
						Average	
3 –						4.29	
	7					Median	
5 —		5				4.50	
1						Mode	
1 —						5	
2 –			1	1		Std. Dev. (Standa <u>Deviation)</u>	ard
o —						0.88	
	5	4	3	2	1	Variance	
						0.78	

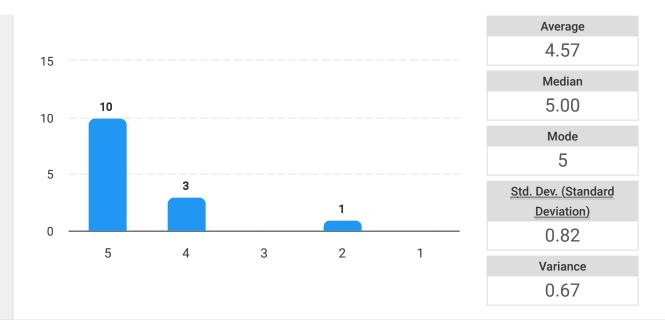
Course Organization

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Lectures / class discussions were well organized or well managed.

(Multi-Choice, Single Answer)

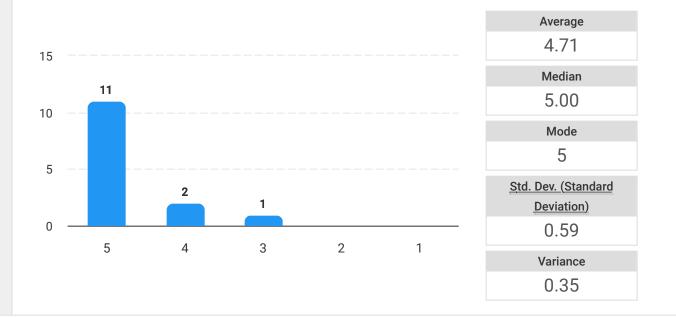
Value	Value Option	
5	A lot	10
4	Quite a bit	3
3	Somewhat	0
2	A little	1
1	Not at all	0



11 Classes tended to stay appropriately on topic.

(Multi-Choice, Single Answer)

Value	Value Option		
5	A lot	11	
4	Quite a bit	2	
3	Somewhat	1	
2	A little	0	
1	Not at all	0	



The instructor tended to be well prepared for class.

(Instructor Multi-Choice)

alue	e Option						Total
5	A lot						12
4	Quite a bi	t					1
3	Somewha	nt					1
2	A little						0
1	Not at all						0
						Average	
15						4.79	
	12					Median	
10						5.00	
10						Mode	
5						5	
5						Std. Dev. (Standa	ard
		1	1			Deviation)	
0 -		4	2			0.56	
	5	4	3	2	1	Variance	
						0.31	

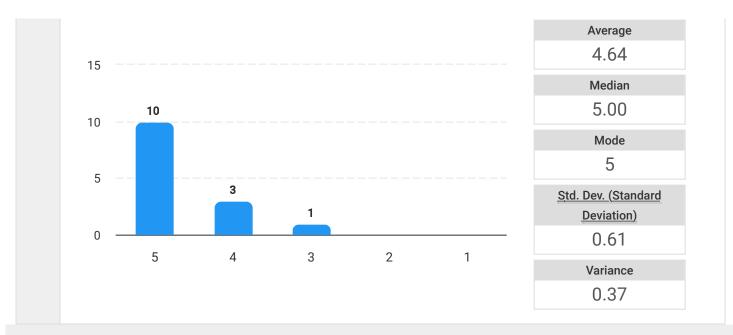
Academic Honesty

The instructor provided clear academic honesty guidelines for this course.

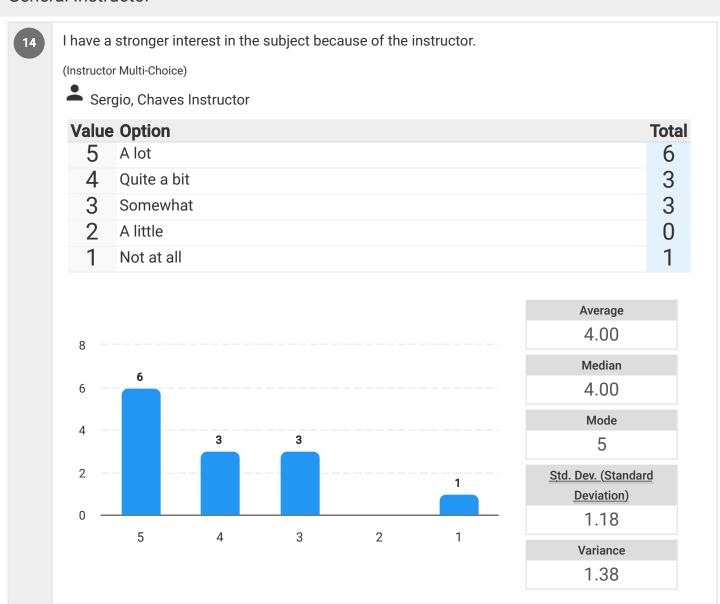
(Instructor Multi-Choice)



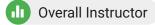
Value	Value Option		
5	A lot	10	
4	Quite a bit	3	
3	Somewhat	1	
2	A little	0	
1	Not at all	0	



General Instructor

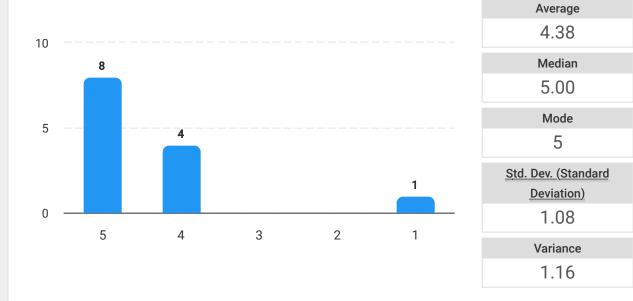


(Instructor Multi-Choice)





Value	Option	Total
5	Excellent	8
4	Very good	4
3	Average	0
2	Not very good	0
1	Very poor	1



Comments on INSTRUCTOR:

(Instructor Text/Memo)



- Explained the topics well, made the class enjoyable.
- Great teacher.
- good teacher
- Professor Chaves is a great professor, he prepares clear slides, willing to help all the time, and explains concepts clearly.
- a true mathematician, thank you so much for your help
- The instructor occasionally explained things in a way that was confusing or that stuck too closely to the theory (rather than presenting an alternative perspective on the problem). As an example, the use of binary bit strings as examples in combinatorics was interesting, but often too complex to follow, and more straightforward examples exist. Some parts of this course are easier to understand intuitively (via logic) than through complicated theorems, so it's often easier to start with the intuitive and move from there to the mathematical theory. I feel like we often did the reverse, starting with the theory in a way that sometimes made material more

difficult to understand. That said, an overall fantastic instructor who is responsive to his students. I genuinely enjoyed this class and the wide variety of topics we covered. One last note: please try to avoid running past the allotted lecture time if at all possible. I had to catch a bus five minutes after every class, so I couldn't ever stay late even though I wanted to, and I sometimes missed material as a result.

very nice and respectful

examples more easier understand material sometimes instructor made topics time explained Often Class theory

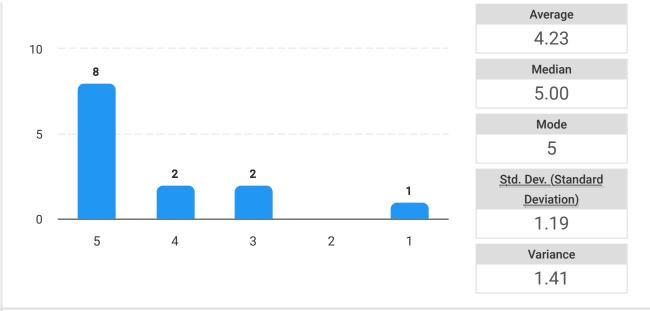
General Course



I feel this class was valuable.

(Multi-Choice, Single Answer)

Value	Option	Total
5	A lot	8
4	Quite a bit	2
3	Somewhat	2
2	A little	0
1	Not at all	1



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Comments:

(Text/Memo)

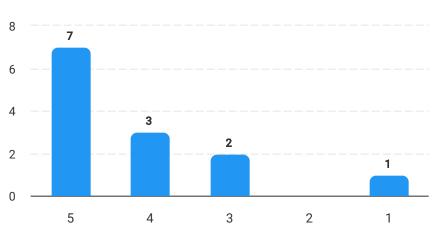
- I was really only interested in the proof-based aspects of the course, but the rest of it was interesting.
- Great class
- useful for math and cs
- This course helps me to understand the logic of computer language
- I feel this class was quite a bit valuable because it mathematically explains a lot of topics that are used in computer science
- Homework assignments were effective at reinforcing my understanding of the material. However, I sometimes had to do very complicated arithemetic by hand because a calculator wasn't allowed. It would be very helpful if homework assignments didn't involve such complex arithemetic operations, or if a note were made that "four-function calculators are allowed and encouraged on the homework, but won't be needed on the tests because the arithmetic will be easier".



(Multi-Choice, Single Answer)

Overall	Course

Value	Option	Total
5	Excellent	7
4	Very good	3
3	Average	2
2	Not very good	0
1	Very poor	1



Average	
4.15	
Median	
5.00	
Mode	
5	
Std. Dev. (Standard	
Deviation)	
1.17	
Variance	
1.36	

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Comments on COURSE:

(Text/Memo)

- Not exactly my favorite course, but it was decent.
- Great course
- Very well-organized and clear worded class
- what's important is the mathematical thinking
- A very interesting exploration of a variety of topics! The difficulty level is very reasonable in my opinion.
- I think this course should have a workshop component with workshop leaders, like in other math courses. I feel it would be valuable and helpful in understanding the concepts and getting extra help. This course was very interesting because it covers topics that I've never been exposed to in other math classes / courses. It is also very confusing. I also think that key and helpful online resources should be suggested within the course because unlike Calculus, the topics in this course are abstract and not presented to most high school/undergraduate students.



Course-Specific Questions

About the Teaching Assistants

Please evaluate only the teaching assistant(s) that you worked with.

- How approachable did the T.A. make him/herself?
 - (Instructor Multi-Choice)
- How enthusiastic was the T.A. about this course?

(Instructor Multi-Choice)

23 If you had questions, could you get answers from the T.A.?

(Instructor Multi-Choice)

What overall rating would you give the T.A.?

(Instructor Multi-Choice)

Comments about the Teaching Assistant/s:

(Instructor Text/Memo)