

**SCS Response Statistics: 9 of 10 (90.00%) students responded**

Term	Class	Instructor	Delivery
Fall 2020	1781 CSC 573 XLIST 001 CSC-573-001-67995-LEC MATH-573-001-67996-LEC	Kobourov, Stephen G	

1) I was treated with respect in this course.

Response Text	Response Value	Frequency	Response Percent
strongly agree	5	7	77.78%
agree	4	2	22.22%
uncertain	3	0	0.00%
disagree	2	0	0.00%
strongly disagree	1	0	0.00%
No Response	0	0	0.00%

2) In this course, I was encouraged to participate through class activities, projects, and/or assignments.

Response Text	Response Value	Frequency	Response Percent
strongly agree	5	7	77.78%
agree	4	2	22.22%
uncertain	3	0	0.00%
disagree	2	0	0.00%
strongly disagree	1	0	0.00%
No Response	0	0	0.00%

3) This course expanded my knowledge and skills in this subject matter.

Response Text	Response Value	Frequency	Response Percent
strongly agree	5	9	100.00%
agree	4	0	0.00%
uncertain	3	0	0.00%
disagree	2	0	0.00%
strongly disagree	1	0	0.00%
No Response	0	0	0.00%

**4) I was encouraged to analyze and/or apply the concepts and skills taught in this course.**

Response Text	Response Value	Frequency	Response Percent
strongly agree	5	8	88.89%
agree	4	1	11.11%
uncertain	3	0	0.00%
disagree	2	0	0.00%
strongly disagree	1	0	0.00%
No Response	0	0	0.00%

5) The learning goals for this course were clear to me.

Response Text	Response Value	Frequency	Response Percent
strongly agree	5	7	77.78%
agree	4	2	22.22%
uncertain	3	0	0.00%
disagree	2	0	0.00%
strongly disagree	1	0	0.00%
No Response	0	0	0.00%

6) This course helped me to connect the concepts and skills we learned to the world around me.

Response Text	Response Value	Frequency	Response Percent
strongly agree	5	5	55.56%
agree	4	4	44.44%
uncertain	3	0	0.00%
disagree	2	0	0.00%
strongly disagree	1	0	0.00%
No Response	0	0	0.00%

7) I feel I learned the subject matter well enough to help another student in this course.

Response Text	Response Value	Frequency	Response Percent
strongly agree	5	5	55.56%
agree	4	3	33.33%
uncertain	3	1	11.11%
disagree	2	0	0.00%
strongly disagree	1	0	0.00%
No Response	0	0	0.00%

**8) The course presentations, materials, procedures, and deadlines were clearly organized.**

Response Text	Response Value	Frequency	Response Percent
strongly agree	5	7	77.78%
agree	4	2	22.22%
uncertain	3	0	0.00%
disagree	2	0	0.00%
strongly disagree	1	0	0.00%
No Response	0	0	0.00%

9) I regularly/frequently had the opportunity to ask questions about concepts and skills in this course.

Response Text	Response Value	Frequency	Response Percent
strongly agree	5	7	77.78%
agree	4	2	22.22%
uncertain	3	0	0.00%
disagree	2	0	0.00%
strongly disagree	1	0	0.00%
No Response	0	0	0.00%

10) I received feedback on my course work/assignments throughout the semester.

Response Text	Response Value	Frequency	Response Percent
strongly agree	5	5	55.56%
agree	4	3	33.33%
uncertain	3	0	0.00%
disagree	2	1	11.11%
strongly disagree	1	0	0.00%
No Response	0	0	0.00%

11) I received feedback on course work/assignments that helped me learn.

Response Text	Response Value	Frequency	Response Percent
strongly agree	5	4	44.44%
agree	4	4	44.44%
uncertain	3	0	0.00%
disagree	2	1	11.11%
strongly disagree	1	0	0.00%
No Response	0	0	0.00%



12) The course material and activities (D2L site, assigned readings, presentations, etc.) helped me learn in this course.

Response Text	Response Value	Frequency	Response Percent
strongly agree	5	5	55.56%
agree	4	4	44.44%
uncertain	3	0	0.00%
disagree	2	0	0.00%
strongly disagree	1	0	0.00%
No Response	0	0	0.00%

**13) What did you especially like about this course?**

Response Text	Frequency	Response Percent
All the lectures are recorded, so I can go back and re-watch to clarify the contents that I did not understand during the live lecture.	1	11.11%
Extra credits in the assignments.	1	11.11%
I definitely learned a lot, and I do enjoy the material overall.	1	11.11%
I felt the homework problems were a good mix of difficulty, with one or two questions every assignment really challenging me to expand my understanding of the subject.	1	11.11%
I found this class was far more engaging than any other live online course I have taken. I'm not sure why this was, but I think it had a lot to do with the teacher's personality and the fact that certain examples were worked out/written down live, instead of just being on a pre-made slide.	1	11.11%
It is a very interesting topic.	1	11.11%
It's a tough course.	1	11.11%
Sometimes very interesting and profound material, particularly with undecidability.	1	11.11%
The presentation of the material was very effective, and the homework assignments worked well to solidify the concepts.	1	11.11%
No Response	0	0.00%

14) What suggestions would you make to improve this course?

Response Text	Frequency	Response Percent
I don't really have any, this course is a model for how I would like other courses to be taught.	1	11.11%
I feel that the take home final was not handled well. I felt it was pretty much just as hard as a homework and we had less than half the time for it (including working through the weekend) with no classes in between when it was assigned and when it was due especially since it was so heavily weighted and during the last week of classes when we have lots of other obligations on top of it. Also what's the point of the last lecture when we already turned in the final before it? Overall very annoying.	1	11.11%
I found something you said during the 3SAT to Graph coloring reduction really insightful in understanding how someone arrived at the reduction in the first place. Something like, "You want to find some way to capture 7 out of 8 combinations resulting in a valid coloring, and ensuring the 8th does not." Maybe, even briefly, discussing strategies and tricks for reducing from common NP-C problems would be helpful in building that intuition.	1	11.11%
More detailed feedback on the assignments or maybe solutions to some of them.	1	11.11%
More hints about the questions in the assignments.	1	11.11%
None.	1	11.11%
Overall, I think it was really good.	1	11.11%
The course was just extremely time consuming. I'm not sure I'd feel the same way if I was a younger graduate student, but going through my comprehensive exams and trying to devote a lot of time to research was difficult.	1	11.11%

**14) What suggestions would you make to improve this course (continued).**

Response Text	Frequency	Response Percent
The Homework lengths could get a little excessive if you were also enrolled in other classes.	1	11.11%
No Response	0	0.00%

15) Please write any additional comments you may have below.

Response Text	Frequency	Response Percent
.	1	11.11%
A lot of the lecture time in class was used to go over proofs of the theorems where the details of which were not really necessary for doing the homeworks, so I wasn't that incentivized to learn them. For instance, I completely skipped over the long proof of 3SAT NP-Completeness and a lot of class time was used on it. Also, I'd like it if the class emphasized philosophical implications of the material more. I read about implications of undecidability, $P=NP$, etc.. from other sources.	1	11.11%
Class was really informative and I glad I took it. Professor Kobourov is a great instructor.	1	11.11%
Good class, engaging lectures!	1	11.11%
I enjoyed the extra credit puzzles, even if I only rarely had time to do them.	1	11.11%
I really appreciated having the option to submit partial answers for homework on Piazza.	1	11.11%
None.	1	11.11%
Thanks for an interesting semester	1	11.11%
The extra questions are really interesting, it reminds me of the beauty of mathematics.	1	11.11%
No Response	0	0.00%

16) Given the uncertainties of the pandemic situation, what factors supported or hindered your learning in this course?

Response Text	Frequency	Response Percent
Being all online was difficult. It made it hard to connect with classmates, easier to be distracted during lecture, and had to keep a flexible schedule. But, that can't be helped. I did often make use of the slides available through D2L.	1	11.11%
Dr. Kobourov has adapted the class well to fit the online lectures, such as clear instructions on the coming up assignments and lectures, exam format, and office hour availability, etc. I was satisfied.	1	11.11%
Having class online was very convenient.	1	11.11%
Having the lectures recorded was amazing for me. If I wasn't able to go back to the lectures, this course would have been much more difficult.	1	11.11%

**16) Given the uncertainties of the pandemic situation, what factors supported or hindered your learning in this course (continued).**

Response Text	Frequency	Response Percent
Honestly I probably learned more effectively from the class being online because I could re-watch the lectures at my own pace and there were slides plus some written notes on the slides vs. just notes written on the board BUT did worse in the class overall because of no in-person office hours to discuss homework problems. Piazza doesn't work as well for this.	1	11.11%
I would have liked if this class was moved in-person, and I believe I would have learned better that in-person, but I understand that I was outvoted. I think the lecture notes that were available online were extremely useful and would have been good to provide even if the class moves in person again.	1	11.11%
It didn't make a difference I guess	1	11.11%
The course actually worked quite well for me. The biggest issue was just balancing my time between this course and the lab course I am teaching in physics, which took a lot more effort than usual this semester due to the pandemic.	1	11.11%
The time difference between my home and Tucson makes it harder for me to stay focused during the course.	1	11.11%
No Response	0	0.00%