CS 2501-200 **Spec Topic: Computer Science** - Fall 2019

ENGR (18453)

INSTRUCTORS: **Tychonievich, Luther (lat7h)**

Respondents: 17 / Enrollment: 74

Summary: CS 2501-200 Spec Topic: Computer Science - Fall 2019 (18453)

Overall Course Rating

CS-2501-200 Mean 4.42
CS-2501-200 Std Dev 0.94
CS-2501-200 Response Count 85

SEAS, 2000-level courses Mean 3.95
SEAS, 2000-level courses Std Dev 1.07
SEAS, 2000-level courses Response Count 16045

Overall Instructor Rating

INSTRUCTOR: Tychonievich, Luther
Mean 4.84
Std Dev 0.37
Response Count 34

SEAS, 2000-level courses Mean 4.39
SEAS, 2000-level courses Std Dev 0.88
SEAS, 2000-level courses Response Count 6799

~ QUESTIONS AND DETAILS ~ | *~ ANSWER MATRICES ~*

1. The activities and assignments helped me learn the subject matter.

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Question Type: Likert
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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2501-200

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
17	4.59	0.87	13 (76.47%)	2 (11.76%)	1 (5.88%)	1 (5.88%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3218	4.13	0.94	1288 (40.02%)	1359 (42.23%)	325 (10.10%)	154 (4.79%)	76 (2.36%)	16 (0.50%)

2. There was a reasonable level of effort expected for the credit hours received.

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Question Type: Likert
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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2501-200

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
17	4.41	0.87	10 (58.82%)	5 (29.41%)	1 (5.88%)	1 (5.88%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3210	4.05	1.04	1238 (38.57%)	1337 (41.65%)	297 (9.25%)	201 (6.26%)	126 (3.93%)	11 (0.34%)

3. The course materials (such as textbook, readings, or background materials) increased my learning.

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Question Type: Likert
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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2501-200

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
17	4.18	1.01	7 (41.18%)	8 (47.06%)	1 (5.88%)	0 (0.00%)	1 (5.88%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3207	3.69	1.13	805 (25.10%)	1082 (33.74%)	631 (19.68%)	297 (9.26%)	165 (5.14%)	227 (7.08%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

4. The course material was well organized and developed.

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Question Type: Likert

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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2501-200

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
17	4.24	1.15	9 (52.94%)	6 (35.29%)	0 (0.00%)	1 (5.88%)	1 (5.88%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3204	3.88	1.12	1066 (33.27%)	1269 (39.61%)	420 (13.11%)	264 (8.24%)	170 (5.31%)	15 (0.47%)

5. The instructor was well prepared for class.

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Question Type: Likert

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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2501-200, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
17	4.94	0.25	15 (88.24%)	1 (5.88%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (5.88%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3401	4.25	0.97	1671 (49.13%)	1026 (30.17%)	340 (10.00%)	137 (4.03%)	80 (2.35%)	147 (4.32%)

6. The grading policy was fair.

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Question Type: Likert

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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2501-200

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
17	4.71	0.77	14 (82.35%)	2 (11.76%)	0 (0.00%)	1 (5.88%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3206	3.98	1.03	1143 (35.65%)	1280 (39.93%)	439 (13.69%)	237 (7.39%)	95 (2.96%)	12 (0.37%)

7. The instructor showed respect for students, and created a safe and supportive learning environment.

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Question Type: Likert

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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2501-200, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
17	4.75	0.45	12 (70.59%)	4 (23.53%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (5.88%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3398	4.53	0.74	2094 (61.62%)	891 (26.22%)	208 (6.12%)	50 (1.47%)	22 (0.65%)	133 (3.91%)

8. What aspects of the course most helped your learning?

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Question Type: Short Answer

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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2501-200

Total	Individual Answers
14	*See below for Individual Results*

The lectures, and labs were very helpful for learning

The readings that the professor has for this class are very helpful.

The PA's

Doing the lab outside of lab time with a TA helped me learn the best as I would actually have time to work through the problems thoroughly.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	Labs and PAs most helped my learning as I had to figure out what was going on and it gave a more tangible feel to concepts in class. The assignments were extremely helpful, as well as exciting. My favorite was the x86 bomb. The homeworks and exams I really liked how challenging all of the assignments and quizzes were and how hard you had to think to understand things in this class. It was really satisfying to be able to finally understand something. Most of the PAs were incredibly helpful in my learning, notably fib, assembly, linkedlist, and postfix. Tychonievich recorded lectures which was useful for reviewing because you could go back and hear exactly what he said. The assignments were challenging but useful in having to apply what we learned to tangible programs. The labs and programming assignments were the biggest contributors. I wish we had more opportunities for labs since they were challenging problems that weren't impossible and we had TA's there to assist if we were stuck. Office Hours. Course assignments and lab, although very difficult oftentimes, were very helpful for learning. The lecture recordings also played a key role in my success.
9. What changes to the course would most help your learning? ~ Question Type: Short Answer ~ *contributed by Dean of the School of Engineering and Applied Science*	Results for CS-2501-200 Total: 11 Individual Answers: *See below for Individual Results*
	I feel like the labs were really confusing. The write-ups would present information in an order that made it hard to understand what we were supposed to be accomplishing and such that I would sometimes start working and then later learn that the answer to all the problems I was having with my program was just further down in the lab write up. It also seemed really hard to get help from TA's during lab and that in the beginning it felt like I would be working with people but we all wouldn't understand how to even start solving the lab and would just all be stuck, but we wouldn't be able to get help from TA's because they were busy clarifying things to another group. I would shorten the labs significantly, as they are nearly impossible to finish in the given time AND understand what you did. The quizzes were really challenging and didn't facilitate learning as much as they were meant to. Especially near the end of the semester, I felt that they asked questions about topics we barely went over in class and were expected to apply the material to something that we could not do. In addition, the labs could be extremely difficult. It was often hard to know what we were supposed to do in lab because 1. the TAs gave no explanations, and 2. the lab writeups were so bad and confusing that students spent the first half of lab just trying to figure out what to do. The labs were also often ahead of the course material itself, so we had to learn the material and apply it in 1 sitting. Often, the scheduled lab time was insufficient for actually being able to complete lab. Nothing. Having labs that were more synchronized with material learned in lecture would be very helpful. Also, including some more basic information, but crucial, information in task descriptions would help for those learning for the first time (e.g. using a text editor for writing binary). More small assignments. More labs (though I'm not sure how that would happen), and more live coding days where we just go through and try things and see what happens rather being told if you do x, y will happen. Labs are a huge time crunch. I was hardly able to finish most labs by the end of the lab period, even when I read the writeup in advance. That being said, each and every one of the labs were immensely helpful. It would be nice to either have more time in lab or to move some of the lab material into homework. Either more time for labs, or shorter labs (I often ended up finishing the labs about 40 minutes after the end of lab time. Also having quiz corrections would be nice (both to boost grades and also to make people go back and look at what they did) Clearer slides for reviewing of material. The writeups were overly detailed in some sections while seemingly less detailed in other crucial sections.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

10. The average number of hours per week I spent outside of class preparing for this course was:

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Question Type: Multiple Choice

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contributed by Office of the Provost

Results for CS-2501-200

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
17	0 (0.00%)	2 (11.76%)	8 (47.06%)	4 (23.53%)	3 (17.65%)

Results for SEAS, 2000-level courses

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
3215	226 (7.03%)	984 (30.61%)	1202 (37.39%)	438 (13.62%)	365 (11.35%)

11. I learned a great deal in this course.

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Question Type: Likert

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contributed by Office of the Provost

Results for CS-2501-200

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
17	4.59	0.87	13 (76.47%)	2 (11.76%)	1 (5.88%)	1 (5.88%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
3206	4.12	0.95	1298 (40.49%)	1302 (40.61%)	378 (11.79%)	160 (4.99%)	68 (2.12%)

12. Overall, this was a worthwhile course.

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Question Type: Likert

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contributed by Office of the Provost

Results for CS-2501-200

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
17	4.47	0.80	10 (58.82%)	6 (35.29%)	0 (0.00%)	1 (5.88%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
3205	4.06	1.03	1303 (40.66%)	1212 (37.82%)	403 (12.57%)	169 (5.27%)	118 (3.68%)

13. The course's goals and requirements were defined and adhered to by the instructor.

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Question Type: Likert

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contributed by Office of the Provost

Results for CS-2501-200, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
17	4.76	0.44	13 (76.47%)	4 (23.53%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
3393	4.29	0.86	1666 (49.10%)	1228 (36.19%)	350 (10.32%)	109 (3.21%)	40 (1.18%)

14. The instructor was approachable and made himself/herself available to students outside the classroom.

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Question Type: Likert

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contributed by Office of the Provost

Results for CS-2501-200, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
17	4.59	0.62	11 (64.71%)	5 (29.41%)	1 (5.88%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
3388	4.28	0.90	1740 (51.36%)	1062 (31.35%)	438 (12.93%)	104 (3.07%)	44 (1.30%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

15. Overall, the instructor was an effective teacher.

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Question Type: Likert

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contributed by Office of the Provost

Results for CS-2501-200, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
17	4.71	0.59	13 (76.47%)	3 (17.65%)	1 (5.88%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
3402	4.14	1.03	1605 (47.18%)	1059 (31.13%)	443 (13.02%)	205 (6.03%)	90 (2.65%)

16. Please make any overall comments or observations about this course:

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Question Type: Short Answer

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contributed by Office of the Provost

Results for CS-2501-200

Total	Individual Answers
8	*See below for Individual Results*

It would be nice to have better lecture slides. As they are given, they are illegible scribbles that have no meaning unless the lecture video is watched, because then you have Tychonievich's explanation of whatever he is writing. Also, Tychonievich goes quickly through the material, often leaving feelings of confusion because /he/ understands what he's talking about and immediately expects students to understand as well, even though we have no foundational learning to guide our understanding.

Good course.

Great professor, very interesting course, worthwhile overall.

The lab did not provide enough time to complete it in the time given, most students would have to spend 1-2 additional hours outside of lab to complete the assignment that is supposed to be able to be done within the lab period. The write-ups were many times not in logical order so they were hard to follow. Expectations for what you actually had to do were often times not immediately apparent. I would have to spend 20-30 mins just trying to figure out what it is asking me to do.

This class was probably my favorite all semester. It required a LOT of time if I really wanted to understand it and get all of my programs and labs complete, but it was so fun

This was my favorite course this semester! :D

Teaching some more basics of CLI text editors, command line commands, and git would have been helpful.

Very enjoyable class and very informative