Report for CS 2130 - 001 Computer Systems and Org 1
Luther Tychonievich

UNIVERSITY of VIRGINIA

Project Title: **2022 Spring Course Evaluation**

Course Audience: **117**
Responses Received: **54**
Response Ratio: **46.15%**

Report Comments

Spring 2022 Individual Instructor Report by Section.

Final Report

Course Name: CS 2130 - 001 Computer Systems and Org 1
Instructor Name: Luther Tychonievich

Evaluation Start Date: Apr 26 2022 12:00AM
Evaluation End Date: May 6 2022 12:00AM

Creation Date: **Monday, May 30, 2022**

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Spring 2022 Questionnaire

Course Preparation:

1. The average number of hours (per week) that I spent outside of class preparing for CS 2130 - 001 Computer Systems and Org 1 :

- Less than 1
- 1-3
- 4-6
- 7-9
- 10 or more

Course Questions:

Answer the following questions based on your experience in CS 2130 - 001 Computer Systems and Org 1.
(Strongly Disagree, Disagree, Neutral, Agree, Strongly Agree)

1)The course increased my enthusiasm for the topic.

2)Through this course I gained a deeper understanding of the subject matter.

3)I had access to the course materials I needed to learn, including access to required textbooks, course readings, technology tools, and other materials required for class assignments and projects.

* ***If the above question generates a negative response, a branching question will be generated:***

3-A) You disagreed or strongly disagreed that you did not have access to the course materials you needed to learn. Please review the options below and select any of the reasons that may better describe what affected your access to course materials.

- Internet speed and reliability
- Internet connectivity
- It was difficult to obtain hand-on materials needed for the course
- I didn't have the funds to purchase the course materials
- The instructor didn't provide the course materials needed to learn
- Other: Please Specify

Learning Activities Question:
To what extent did the following learning activities contribute to your learning? (A Lot, A Moderate Amount, A Little, Not At All)

- Real-time lecture
- Recorded lectures
- Recorded video demonstrations
- Hands-on activities
- Real-time, whole-class discussion
- Real-time small-group discussion
- Online discussion boards
- Office hours

Open Comment Questions (Course):

1) Please tell us briefly how any of the above learning activities (or other activities not included above) contributed to your learning in this course.

2) What would you like the instructor and university administrators to know about your experience in this course?

Instructor Questions:

Answer the following questions based on your experience with Luther Tychonievich. Your constructive feedback will help your instructor identify what went well and ways to improve the course in the future.
(Strongly Disagree, Disagree, Neutral, Agree, Strongly Agree)

1) The instructor clearly communicated the course schedule and expectations for participation (e.g., readings, discussions).

2) The instructor clearly communicated the course learning objectives.

3) The instructor implemented learning activities and assignments that allowed me to demonstrate understanding of the course material.

4) The instructor provided me prompt and useful feedback on my learning.

5) The instructor provided opportunities for my active participation.

6) The instructor was available to help support my learning.

7) The instructor fostered an environment where I felt valued as an individual and that I belonged in the class.

8) Overall, the instructor was an effective teacher.

9) The instructor created an environment that respected difference and welcomed diverse perspectives.

* *A positive or negative response to the above question will generate a follow-up comment question.*

9A) You selected "AGREE or STRONGLY AGREE" on the previous question: Please give specific examples as to how Luther Tychonievich created an environment that respected difference and welcomed diverse perspectives.

9B) You selected "DISAGREE or STRONGLY DISAGREE" on the previous question: Please give specific examples as to how Luther Tychonievich did not create an environment that respected difference and welcomed diverse perspectives.
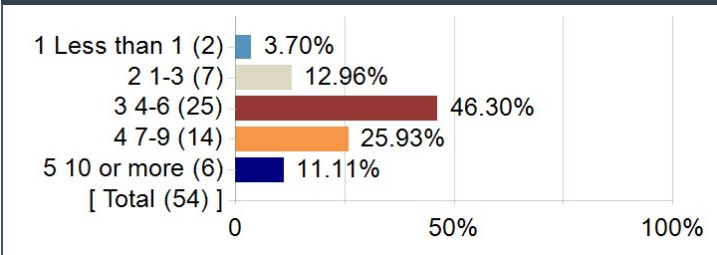
Open Comment Question (Instructor):
Your response to the open-ended question below will be shared only with Luther Tychonievich. If this course was taught by multiple instructors, you will have the opportunity to provide feedback to each. Please avoid using instructors' names in your responses to ensure confidentiality.

1) What constructive suggestions do you have to help Luther Tychonievich improve this course for future students?

Student Preparation

The average number of hours (per week) that I spent outside of class preparing for CS 2130 - 001 Computer Systems and Org 1:

Response	Percentage
1 Less than 1 (2)	3.70%
2 1-3 (7)	12.96%
3 4-6 (25)	46.30%
4 7-9 (14)	25.93%
5 10 or more (6)	11.11%
[Total (54)]	

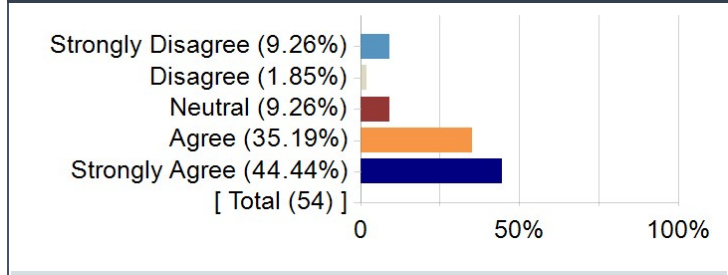| Statistics	Value
Response Count	54
Mean	3.28
Median	3.00
Standard Deviation	0.96

Course Questions

Mean values are displayed below.

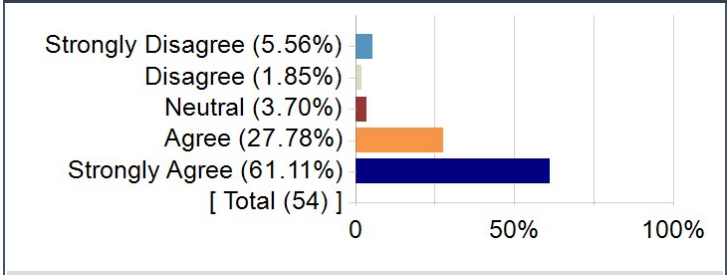*Scale 1 = Strongly Disagree 2 = Disagree 3 = Neutral 4 = Agree 5 = Strongly Agree*

| Question	Course (CS 2130 001)		Department (CS)		School (ENGR)		Institution (University of Virginia)	
	Response Count	Mean	Response Count	Mean	Response Count	Mean	Response Count	Mean
The course increased my enthusiasm for the topic.	54	4.04	3545	3.75	9333	3.77	54638	3.97
Through this course I gained a deeper understanding of the subject matter.	54	4.37	3524	4.19	9292	4.18	54326	4.30
I had access to the course materials I needed to learn, including access to required textbooks, course readings, technology tools, and other materials required for class assignments and projects.	54	4.31	3540	4.30	9320	4.34	54598	4.47

1. The course increased my enthusiasm for the topic.

Strongly Disagree (9.26%)
Disagree (1.85%)
Neutral (9.26%)
Agree (35.19%)
Strongly Agree (44.44%)
[Total (54)]

Options	Score	Count	Percentage
Strongly Disagree	1	5	9.26%
Disagree	2	1	1.85%
Neutral	3	5	9.26%
Agree	4	19	35.19%
Strongly Agree	5	24	44.44%
Statistics			Value
Mean			4.04
Median			4.00
Standard Deviation			1.21

2. Through this course I gained a deeper understanding of the subject matter.

Strongly Disagree (5.56%)
Disagree (1.85%)
Neutral (3.70%)
Agree (27.78%)
Strongly Agree (61.11%)
[Total (54)]

Options	Score	Count	Percentage
Strongly Disagree	1	3	5.56%
Disagree	2	1	1.85%
Neutral	3	2	3.70%
Agree	4	15	27.78%
Strongly Agree	5	33	61.11%
Statistics			Value
Mean			4.37
Median			5.00
Standard Deviation			1.05

3. I had access to the course materials I needed to learn, including access to required textbooks, course readings, technology tools, and other materials required for class assignments and projects.

Strongly Disagree (3.70%)
Disagree (3.70%)
Neutral (3.70%)
Agree (35.19%)
Strongly Agree (53.70%)
[Total (54)]
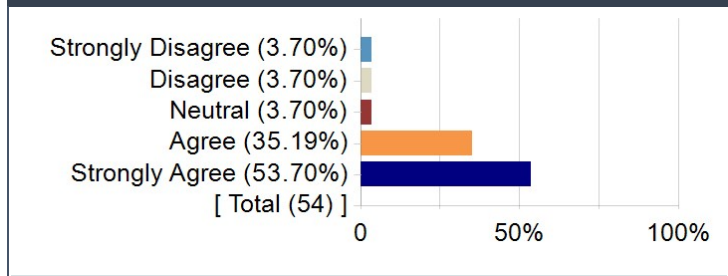
Options	Score	Count	Percentage
Strongly Disagree	1	2	3.70%
Disagree	2	2	3.70%
Neutral	3	2	3.70%
Agree	4	19	35.19%
Strongly Agree	5	29	53.70%
Statistics			Value
Mean			4.31
Median			5.00
Standard Deviation			0.99

1. The course increased my enthusiasm for the topic.

Course (CS 2130 001) 4.04
Department (CS) 3.75
School (ENGR) 3.77
Institution (University of Virginia) 3.97

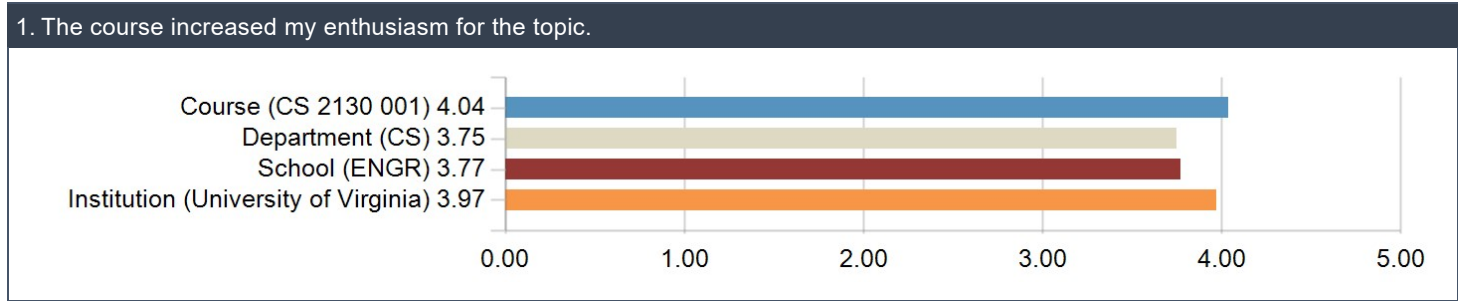## 2. Through this course I gained a deeper understanding of the subject matter.

Course (CS 2130 001) 4.37
Department (CS) 4.19
School (ENGR) 4.18
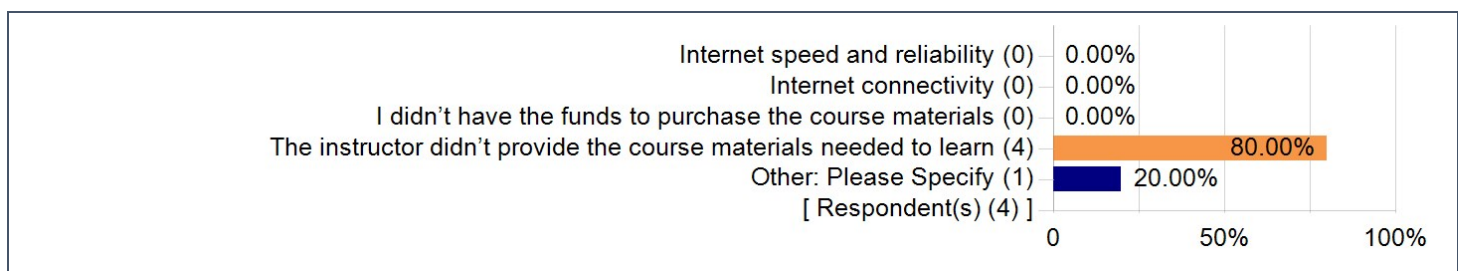Institution (University of Virginia) 4.30

3. I had access to the course materials I needed to learn, including access to required textbooks, course readings, technology tools, and other materials required for class assignments and projects.

Course (CS 2130 001) 4.31
Department (CS) 4.30
School (ENGR) 4.34
Institution (University of Virginia) 4.47

Legend: Strongly Agree / Agree — Neutral — Strongly Disagree / Disagree

The course increased my enthusiasm for...
Through this course I gained a deeper un...
I had access to the course materials I ne...

You disagreed or strongly disagreed that you did not have access to the course materials you needed to learn. Please review the options below and select any of the reasons that may better describe what affected your access to course materials.

Internet speed and reliability (0) — 0.00%
Internet connectivity (0) — 0.00%
I didn't have the funds to purchase the course materials (0) — 0.00%
The instructor didn't provide the course materials needed to learn (4) — 80.00%
Other: Please Specify (1) — 20.00%
[Respondent(s) (4)]
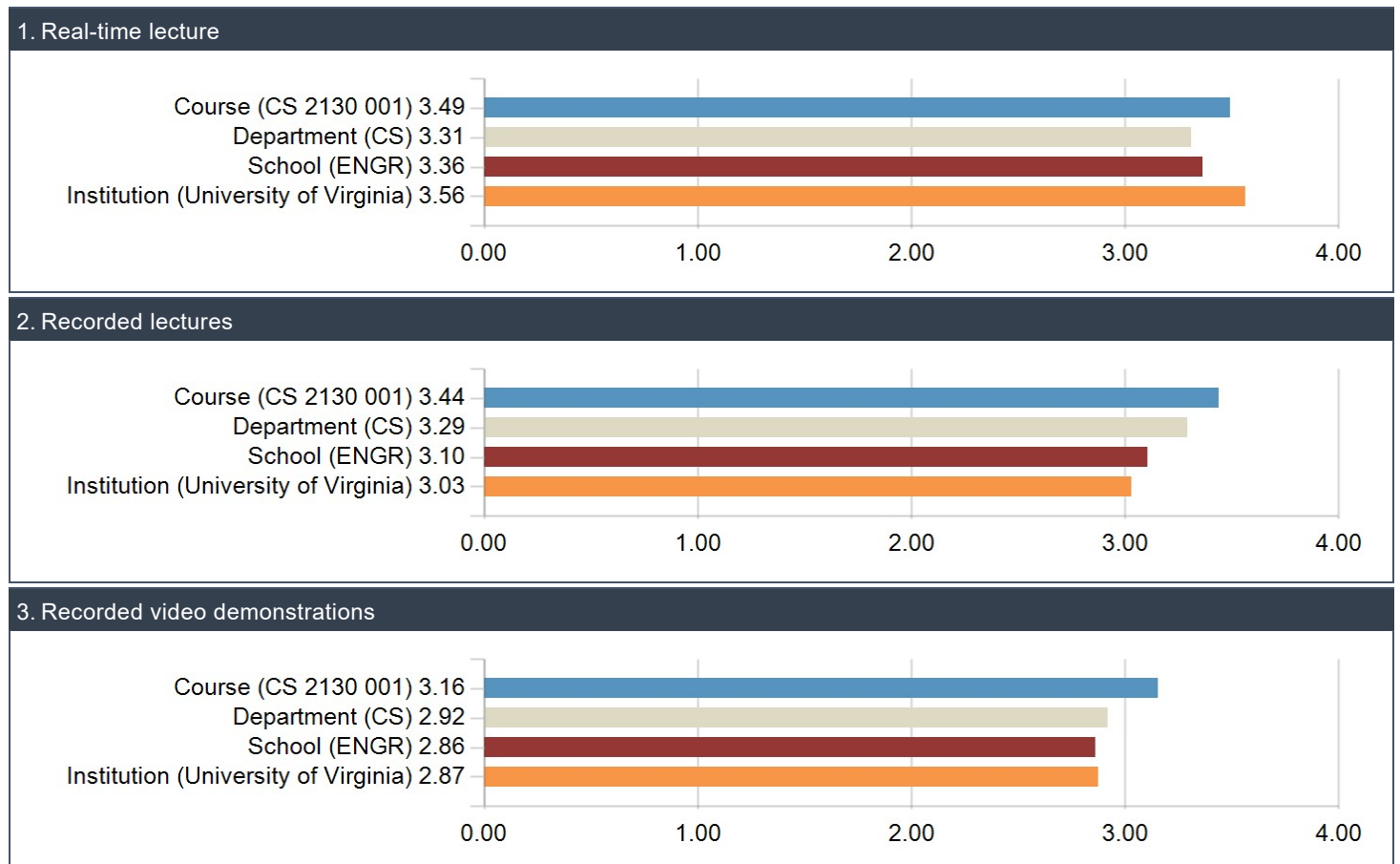
Learning Activities

Mean values are displayed below.

Scale: 1 = Not at All   2 = A Little   3 = A Moderate Amount   4 = A Lot

Learning Activities: To what extent did the following learning activities contribute to your learning?

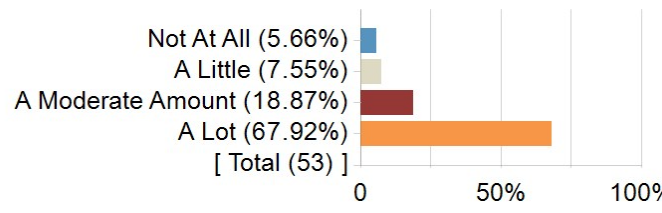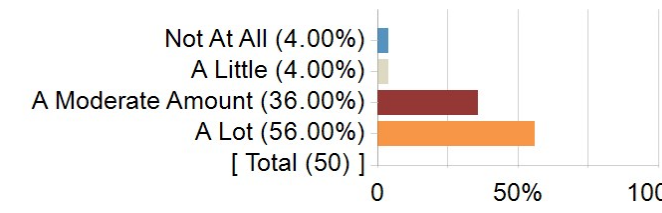| Question	Course (CS 2130 001)		Department (CS)		School (ENGR)		Institution (University of Virginia)	
	Response Count	Mean	Response Count	Mean	Response Count	Mean	Response Count	Mean
Real-time lecture	53	3.49	3070	3.31	8420	3.36	48875	3.56
Recorded lectures	50	3.44	2649	3.29	6340	3.10	25800	3.03
Recorded video demonstrations	32	3.16	1655	2.92	4185	2.86	19874	2.87
Hands-on activities	38	3.32	2673	3.35	6492	3.32	34826	3.36
Real-time whole-class discussion	34	3.21	1946	2.73	6014	2.94	40705	3.29
Real-time small-group discussion	38	2.89	1984	2.86	5857	3.07	36919	3.28
Online discussion boards	37	2.92	2417	3.02	5144	2.84	22615	2.75
Office hours	44	3.14	2617	2.99	6474	2.88	31436	2.88

Learning Activities: To what extent did the following learning activities contribute to your learning?

4. Hands-on activities

Course (CS 2130 001) 3.32
Department (CS) 3.35
School (ENGR) 3.32
Institution (University of Virginia) 3.36

0.00　　1.00　　2.00　　3.00　　4.00

5. Real-time whole-class discussion

Course (CS 2130 001) 3.21
Department (CS) 2.73
School (ENGR) 2.94
Institution (University of Virginia) 3.29

0.00　　1.00　　2.00　　3.00　　4.00

6. Real-time small-group discussion

Course (CS 2130 001) 2.89
Department (CS) 2.86
School (ENGR) 3.07
Institution (University of Virginia) 3.28

0.00　　1.00　　2.00　　3.00　　4.00

7. Online discussion boards

Course (CS 2130 001) 2.92
Department (CS) 3.02
School (ENGR) 2.84
Institution (University of Virginia) 2.75

0.00　　1.00　　2.00　　3.00　　4.00

8. Office hours

Course (CS 2130 001) 3.14
Department (CS) 2.99
School (ENGR) 2.88
Institution (University of Virginia) 2.88

0.00　　1.00　　2.00　　3.00　　4.00

Learning Activities: To what extent did the following learning activities contribute to your learning?

University of Virginia

1. Real-time lecture

Not At All (5.66%)
A Little (7.55%)
A Moderate Amount (18.87%)
A Lot (67.92%)
[Total (53)]

0   50%   100%

Options	Score	Count	Percentage
Not At All	1	3	5.66%
A Little	2	4	7.55%
A Moderate Amount	3	10	18.87%
A Lot	4	36	67.92%
Statistics			Value
Mean			3.49
Median			4.00
Standard Deviation			0.87

2. Recorded lectures

Not At All (4.00%)
A Little (4.00%)
A Moderate Amount (36.00%)
A Lot (56.00%)
[Total (50)]

0   50%   100%

Options	Score	Count	Percentage
Not At All	1	2	4.00%
A Little	2	2	4.00%
A Moderate Amount	3	18	36.00%
A Lot	4	28	56.00%
Statistics			Value
Mean			3.44
Median			4.00
Standard Deviation			0.76

3. Recorded video demonstrations

Not At All (12.50%)
A Little (9.38%)
A Moderate Amount (28.13%)
A Lot (50.00%)
[Total (32)]

0   50%   100%

Options	Score	Count	Percentage
Not At All	1	4	12.50%
A Little	2	3	9.38%
A Moderate Amount	3	9	28.13%
A Lot	4	16	50.00%
Statistics			Value
Mean			3.16
Median			3.50
Standard Deviation			1.05

4. Hands-on activities

Not At All (7.89%)
A Little (15.79%)
A Moderate Amount (13.16%)
A Lot (63.16%)
[Total (38)]

0   50%   100%

Options	Score	Count	Percentage
Not At All	1	3	7.89%
A Little	2	6	15.79%
A Moderate Amount	3	5	13.16%
A Lot	4	24	63.16%
Statistics			Value
Mean			3.32
Median			4.00
Standard Deviation			1.02

5. Real-time whole-class discussion

Not At All (2.94%)
A Little (20.59%)
A Moderate Amount (29.41%)
A Lot (47.06%)
[Total (34)]

Options	Score	Count	Percentage
Not At All	1	1	2.94%
A Little	2	7	20.59%
A Moderate Amount	3	10	29.41%
A Lot	4	16	47.06%
Statistics			Value
Mean			3.21
Median			3.00
Standard Deviation			0.88

6. Real-time small-group discussion

Not At All (10.53%)
A Little (28.95%)
A Moderate Amount (21.05%)
A Lot (39.47%)
[Total (38)]

Options	Score	Count	Percentage
Not At All	1	4	10.53%
A Little	2	11	28.95%
A Moderate Amount	3	8	21.05%
A Lot	4	15	39.47%
Statistics			Value
Mean			2.89
Median			3.00
Standard Deviation			1.06

7. Online discussion boards

Not At All (10.81%)
A Little (24.32%)
A Moderate Amount (27.03%)
A Lot (37.84%)
[Total (37)]

Options	Score	Count	Percentage
Not At All	1	4	10.81%
A Little	2	9	24.32%
A Moderate Amount	3	10	27.03%
A Lot	4	14	37.84%
Statistics			Value
Mean			2.92
Median			3.00
Standard Deviation			1.04

8. Office hours

Not At All (9.09%)
A Little (15.91%)
A Moderate Amount (27.27%)
A Lot (47.73%)
[Total (44)]

Options	Score	Count	Percentage
Not At All	1	4	9.09%
A Little	2	7	15.91%
A Moderate Amount	3	12	27.27%
A Lot	4	21	47.73%
Statistics			Value
Mean			3.14
Median			3.00
Standard Deviation			1.00

Learning Activities: To what extent did the following learning activities contribute to your learning?

Please tell us briefly how any of the above learning activities (or other activities not included above) contributed to your learning in this course.

Comments
The labs and quizzes and homeworks were helpful to learning. The classes were also informative, engaging, and interactive.
I believe the recorded lectures and hands on activities made this class very helpful to learn from. While some real–time lectures may cover trickier concepts, recorded lectures gave me the opportunity to revisit them and understand content better.
The real time lectures always felt very well structured and very well thought out.
The website of the class was very well structured.
N/A
Homework assignments were the most helpful to my learning
The recorded videos and office hours really helped me digest and understand the material.
I think that the homework and quizzes were very well designed and really helped me understand the subject matter better.
The recorded lectures were really helpful because they allowed me to catch up and also rewatch lectures incase I forgot some material which usually happened.
Real time lectures, recorded lectures, and recorded video demonstrations were moderate in my learning. The material felt slightly unorganized and was difficult to interpret. Oftentimes, there were typos in the readings/labs that prevented students from making significant progress. Lectures consisted of the professor annotating slides on the board. The professor's handwriting was occasionally illegible and the slides did not provide structure what the professor was trying to communicate. For these reasons, the lectures were given "A Moderate Amount." Office hours with the TAs were extremely successful in clarifying what information students were missing. However, there was always a lacking in the amount of TAs for the number of students in the course. Online discussion boards (Piazza) were helpful in answering questions.
Recorded lectures were incredibly helpful for improving understanding. The writeups were great, but sometimes I couldn't really absorb a topic as easily without going through the lecture again.
All of the resources on the website and also the lectures/labs were extremely inciteful.
I felt like lectures were very helpful. They were only boring when it couldn't be avoided, and the information was conveyed in a way that it was easy to comprehend, and I did not feel like I was missing any key pieces. Furthermore, I appreciated how well the time was distributed over hard to understand and easier to understand topics.
The lectures were extremely engaging and helped me learn the course content extremely well.
The recorded lectures were very useful and office hours were pretty useful for the homeworks.
The labs had us apply the material in lecture, but it took it another step to connect to programs we might use in the real world. Working with others in small groups allowed for the sharing of diverse ideas and ultimately fostered problem solving. Office hours

Comments
helped find mistakes made in lab.
lectures were really fun to attend and learned most from them – the writeups also really helped understand what was going on in class
The style of lectures was vastly different from most other CS professors, and was engaging, especially with the whiteboard feature he wrote notes with.
Online discussion boards, such as Piazza, was the most helpful for answering questions regarding homeworks and labs.
The lectures were the biggest source of learning throughout this course.
very unhelpful in general
This class's lectures were taught extremely well, in a way that kept me engaged and interested in the course content. I never felt I needed to get help outside of class, as I always understood what was taught in lecture.
lectures and homework and some readings were the primary sources of learning.
They're a very good and knowledgeable lecturer (a combination that's rare) and clearly communicated the material.
Learnt from lectures/reading
The TAs for this class are very helpful and truly helped my learning in a significant way. The labs were useful and insightful.
Live and recorded lectures were extremely useful as the professor would go over all the material, show examples, and explain the topics in–depth.
The recorded lectures were very helpful, as the content at times was not something you could just hear once and remember. In–class discussion was the most helpful, I found that going to class over lectures enormously impacted my learning, and Luther answered questions very elegantly during in–class time.
The homework was very extensive in reinforcing learned material
love recorded lectures
The struggle of figuring out the projects was fun, frustrating, and very informative.
The real–time lectures and the readings were my best source of learning in the class. Office hours were also incredibly helpful and the assignments helped solidify the content we were learning.
n/a
The lectures were engaging and fun, making me want to learn more.
The real–time lecture, recorded lectures, and recorded video demonstrations were really helpful with me learning the material. The assignments for the class that were hands–on activities were helpful in me learning how to apply the material that we learned in class. The whole class discussion in lectures was really helpful for answering questions but was pretty brief. The online discussion boards were helpful in answering questions but they weren't used that much and the response time was really long. Office hours were extremely helpful in answering questions and with help on assignments, and they were very well organized and I liked how there were many different times for office hours. I did not like the discord office hours and no one helped me very well on those.

Course Comments

What would you like the instructor and university administrators to know about your experience in this course?

Comments
Thumbs up.
I would like the instructor to know that I had a great time in this course. While it was difficult, the instructor was amazing and very insightful. I learned a lot from this course overall.
Learning from the bottom up felt very intuitive and allowed for everything to be put together like building blocks to understand the larger topics.
The exams and assignments were difficult given what was discussed in lecture and posted on the class website.
One of my harder courses this semester, but also my favorite. I feel like I got more learning out of this course than my other CS courses. The challenge was fun but sometimes the challenge was too challenging. Hard to strike a balance. I do have a qualm with the labs, however. Some of the labs felt impossible to complete within the lab time. Most labs I had to start the previous day or hours before and then finish in lab. Don't know what the expectation for that was supposed to be.
N/A
Walkthroughs for the more difficult parts of HW assignments (after the due date) would be very useful towards understanding the full assignment
This was a difficult class, but a rewarding class.
I think that the overall structure of the course was really good, but I think that by nature of this course, the subject matter is difficult and requires things like office hours.
Profesor Tychonevich was extremely nice and helpful one on one. He was extremely helpful during office hours and his nice character was displayed whenever I interacted with him one on one and this is, in my opinion, the most important part of a teacher. Alongside this, he is a great lecturer and actually teaches very well. CSO1 is not an easy topic and has very tough, rigorous topic but Professor Tychonovich has a talent in teaching and gets the point across in a great way.
This course was challenging. I believe the reason for this difficulty is due to the organization of information: readings were written by the professor and often had typos or grammatical errors that made it difficult for students to understand. Consider putting information onto official presentation slide decks, or simply revising the readings to be more clear.
This was the best CS course I've taken period. Generally CS courses I've taken in the past rarely went into expansive detail on computing and this course did the complete opposite and built up our understanding from binary through machine code until we reached an abstract programming language.
All of the readings on the websites were extremely helpful.
I really enjoyed this course! It increased my interest in computer science.
My experience in the course was excellent and my interest in computer science was greatly elevated.
This course is amazing! I really loved the assignments, structure, and content of this course.
Make the labs easier to navigate.
Overall my experience in this course was negative. It was honestly the sole contributor to my choice not to pursue computer science as a major. I came in knowing that it was going to be hard, but I genuinely did not believe that it was going to be this difficult. Granted, this is coming from the end of the semester, it wasn't too unbearable of a class earlier into the semester but I think that the change in difficulties was too quick. I think that the labs and exams could be executed better too. One thing I noticed is that this class likes to introduce new ideas for us to learn in a short timeframe, such as new functions – or even a new language – in a lab or new–ish functions on an exam. It feels like this is due to the course wishing to make up for lost time, though I do not know what exactly it is trying to do with that. Having to include a whole article on how to use some functions that we briefly went over in class on an exam, not to mention a relatively heavily weighted part of the exam, genuinely tells me that even the instructors aren't sure that they correctly or completely went over the topic in enough detail for us to confidently use the function on the exam. It doesn't feel fair to be tested on something that we have not fully been through despite an article being presented as that is not how learning works. This class felt like things were just being shoved in my head for no other purpose than to just have a background on the topic, which is something the professor did say was the purpose of the class because no one really uses these topics in the industry unless they specifically go into these topics, so it's confusing as to why we are tested and graded so harshly on something that is practically useless. I'll go over the professor specifically in the professor section, but I'll talk about the TAs here. Almost every TA I worked with this semester was absolutely lovely. They all really seemed to want me to succeed, but I think because they were all trained in the old curriculum they were not really prepared to help the students in this class. I found myself in numerous situations where the TA

Comments

wasn't really sure what to do with my questions, and it felt like office hours were a struggle.

The homework assignments were a nightmare. Some of them were fun in the beginning, but when it came to actual coding it was so difficult to pass the autograder. I could have my code working perfectly and still get a 0 on the autograder due to one minor thing that no one would tell me that I needed. Even TAs couldn't figure out the answer to why my code would not pass the autograder and it was frustrating to waste hours of my day dedicated to something so small. The lack of partial credit for code is infuriating because students can spend so much time on an assignment for nothing at all.

it was my most challenging course this semester but it was also a very interesting one – lot of work though, this class took up most of my time

I did not enjoy this course at all. Professor Tychonievich is a great and fun person overall, but was simply not the type of professor I could learn from. His lectures were disorganized and often times his slides were messy and hard to read. This made following along and staying engaged with the content extremely difficult.

The course was challenging but very rewarding as I spend lots of time learning the material to successfully apply it to the assignments.

it was the worst

This is definitely my favorite class at UVA so far, probably my favorite class I've ever taken in general. I'm applying to TA for it next year so that I can deepen my understanding of the topics that were taught.

The class was really well done by Tycho we are going to miss him. I recommend more guidance on some of the homeworks and learning before the labs.

Solid instructor and solid course

I feel like a lot of tested material wasn't sufficiently covered, and a lot of the material that was focused on in class wasn't tested.

Professor Tychonievich is one of the best lecturers I have ever had the privilege of being taught by. His lectures are captivating and his enthusiasm for the subject made me so excited to attend classes every single week. I have learned so much from him and he will forever be an inspiration to me in my computer science journey. The course material itself is challenging yet rewarding. I feel like I came out of this class better at computer science and with a renewed love for the field.
Finally, I am very sad that Professor Tychonievich is going to UIUC and I believe the university is losing a legend. I would request UVA admins to do their best to retain Professor Tychonievich.

This course was really useful for learning in–depth about computers and how they actual work.

Luther is the best CS professor I have ever had. He was incredibly knowledgeable on the subject and hence was able to answer all questions in–depth and on a level that the students would understand.

It was a difficult course, but it was definitely reasonable in terms of workload and expectations.

very cool class really kept me engaged eventhough very hard

Luther did a great job.

Office hours were crowded with very long wait times and often I couldn't get help at all especially before due dates

This class really challenged me throughout the semester. It had difficult content and assignments; however, I feel like it helped me as a student to constantly push myself. It felt great when I was able to complete assignments and when I was able to understand topics that were especially challenging.

n/a

Great professor. Really increased my enthusiasm for the topic.

The class was rough at the beginning where the curriculum didn't make sense and the course seemed to be jumping from topic to topic. However, through the progression of the course, I gained an appreciation for how the material was taught and what was taught. The course not only increased my appreciation for the topic of computer science, but I also gained a real love for the subject. The passion and true understanding that Tychoneivich has for the material and for his students is unrivaled at UVA. It is sad to see him leave.
This class made me feel grateful for the new Computer Science curriculum at UVA and I believe that I can see the vision that the department had for the future of CS and how it is taught here at UVA.
I am very grateful to have taken this class and will strongly recommend it to my peers.

I HATE THIS CLASS

Overall, the class was enjoyable and I learned a lot! Thank you!
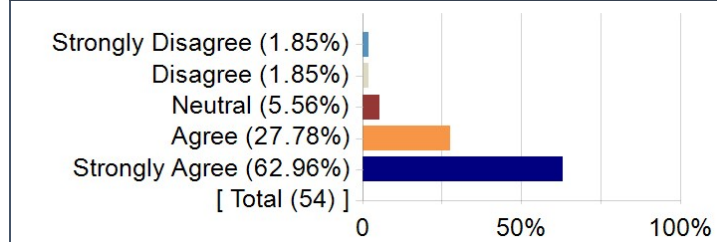
Instructor Questions

Mean values are displayed below.

Scale 1 = Strongly Disagree 2 = Disagree 3 = Neutral 4 = Agree 5 = Strongly Agree

| Question	Instructor Average - this course		Instructor Average - all courses (lat7h Luther Tychonievich)		Department (CS)		School (ENGR)	
	Response Count	Mean	Response Count	Mean	Response Count	Mean	Response Count	Mean
The instructor clearly communicated the course schedule and expectations for participation (e.g., readings, discussions).	54	4.48	160	4.46	3604	4.35	10330	4.33
The instructor clearly communicated the course learning objectives.	53	4.36	159	4.36	3604	4.31	10329	4.31
The instructor implemented learning activities and assignments that allowed me to demonstrate understanding of the course material.	54	4.30	161	4.28	3610	4.20	10349	4.22
The instructor provided me prompt and useful feedback on my learning.	54	4.07	161	4.20	3619	3.85	10370	3.91
The instructor provided opportunities for my active participation.	54	4.15	160	4.21	3616	4.00	10361	4.14
The instructor was available to help support my learning.	54	4.26	160	4.23	3600	4.09	10330	4.20
The instructor fostered an environment where I felt valued as an individual and that I belonged in the class.	54	4.20	160	4.11	3608	4.07	10346	4.17
Overall, the instructor was an effective teacher.	54	4.41	160	4.36	3602	4.14	10344	4.16
The instructor created an environment that respected difference and welcomed diverse perspectives.	53	4.25	159	4.09	3613	4.01	10344	4.08

1. The instructor clearly communicated the course schedule and expectations for participation (e.g., readings, discussions).
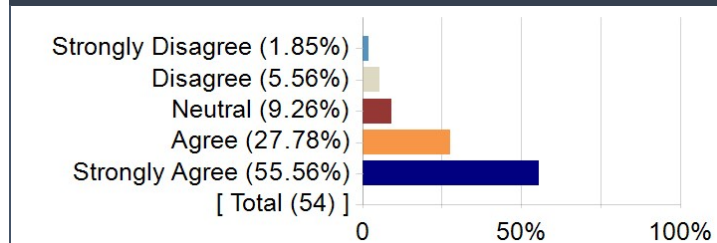

Strongly Disagree (1.85%)
Disagree (1.85%)
Neutral (5.56%)
Agree (27.78%)
Strongly Agree (62.96%)
[Total (54)]

Options	Score	Count	Percentage
Strongly Disagree	1	1	1.85%
Disagree	2	1	1.85%
Neutral	3	3	5.56%
Agree	4	15	27.78%
Strongly Agree	5	34	62.96%
Statistics			Value
Mean			4.48
Median			5.00
Standard Deviation			0.84

2. The instructor clearly communicated the course learning objectives.

Strongly Disagree (1.89%)
Disagree (1.89%)
Neutral (9.43%)
Agree (32.08%)
Strongly Agree (54.72%)
[Total (53)]
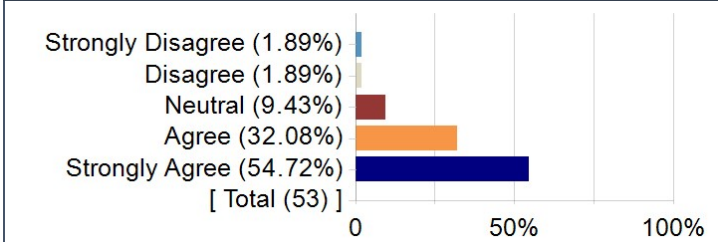
Options	Score	Count	Percentage
Strongly Disagree	1	1	1.89%
Disagree	2	1	1.89%
Neutral	3	5	9.43%
Agree	4	17	32.08%
Strongly Agree	5	29	54.72%
Statistics			Value
Mean			4.36
Median			5.00
Standard Deviation			0.88

3. The instructor implemented learning activities and assignments that allowed me to demonstrate understanding of the course material.
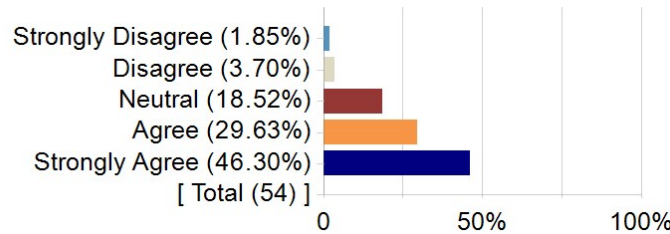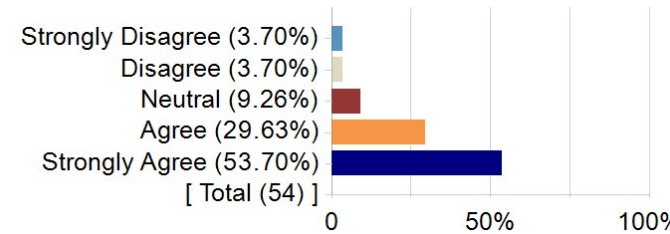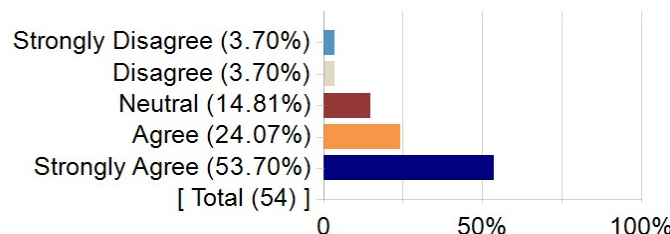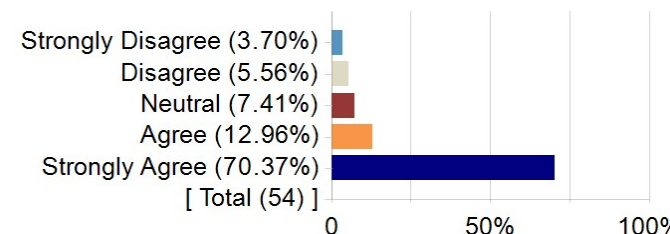

Strongly Disagree (1.85%)
Disagree (5.56%)
Neutral (9.26%)
Agree (27.78%)
Strongly Agree (55.56%)
[Total (54)]

Options	Score	Count	Percentage
Strongly Disagree	1	1	1.85%
Disagree	2	3	5.56%
Neutral	3	5	9.26%
Agree	4	15	27.78%
Strongly Agree	5	30	55.56%
Statistics			Value
Mean			4.30
Median			5.00
Standard Deviation			0.98

4. The instructor provided me prompt and useful feedback on my learning.

Strongly Disagree (3.70%)
Disagree (9.26%)
Neutral (9.26%)
Agree (31.48%)
Strongly Agree (46.30%)
[Total (54)]
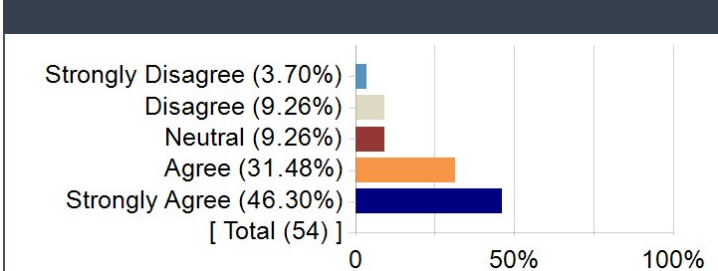
Options	Score	Count	Percentage
Strongly Disagree	1	2	3.70%
Disagree	2	5	9.26%
Neutral	3	5	9.26%
Agree	4	17	31.48%
Strongly Agree	5	25	46.30%
Statistics			Value
Mean			4.07
Median			4.00
Standard Deviation			1.13

5. The instructor provided opportunities for my active participation.

```
Strongly Disagree (1.85%)
Disagree (3.70%)
Neutral (18.52%)
Agree (29.63%)
Strongly Agree (46.30%)
[ Total (54) ]
            0        50%       100%
```

Options	Score	Count	Percentage
Strongly Disagree	1	1	1.85%
Disagree	2	2	3.70%
Neutral	3	10	18.52%
Agree	4	16	29.63%
Strongly Agree	5	25	46.30%
Statistics			Value
Mean			4.15
Median			4.00
Standard Deviation			0.98

6. The instructor was available to help support my learning.

```
Strongly Disagree (3.70%)
Disagree (3.70%)
Neutral (9.26%)
Agree (29.63%)
Strongly Agree (53.70%)
[ Total (54) ]
            0        50%       100%
```

Options	Score	Count	Percentage
Strongly Disagree	1	2	3.70%
Disagree	2	2	3.70%
Neutral	3	5	9.26%
Agree	4	16	29.63%
Strongly Agree	5	29	53.70%
Statistics			Value
Mean			4.26
Median			5.00
Standard Deviation			1.03

7. The instructor fostered an environment where I felt valued as an individual and that I belonged in the class.

```
Strongly Disagree (3.70%)
Disagree (3.70%)
Neutral (14.81%)
Agree (24.07%)
Strongly Agree (53.70%)
[ Total (54) ]
            0        50%       100%
```

Options	Score	Count	Percentage
Strongly Disagree	1	2	3.70%
Disagree	2	2	3.70%
Neutral	3	8	14.81%
Agree	4	13	24.07%
Strongly Agree	5	29	53.70%
Statistics			Value
Mean			4.20
Median			5.00
Standard Deviation			1.07

8. Overall, the instructor was an effective teacher.

```
Strongly Disagree (3.70%)
Disagree (5.56%)
Neutral (7.41%)
Agree (12.96%)
Strongly Agree (70.37%)
[ Total (54) ]
            0        50%       100%
```

Options	Score	Count	Percentage
Strongly Disagree	1	2	3.70%
Disagree	2	3	5.56%
Neutral	3	4	7.41%
Agree	4	7	12.96%
Strongly Agree	5	38	70.37%
Statistics			Value
Mean			4.41
Median			5.00
Standard Deviation			1.09

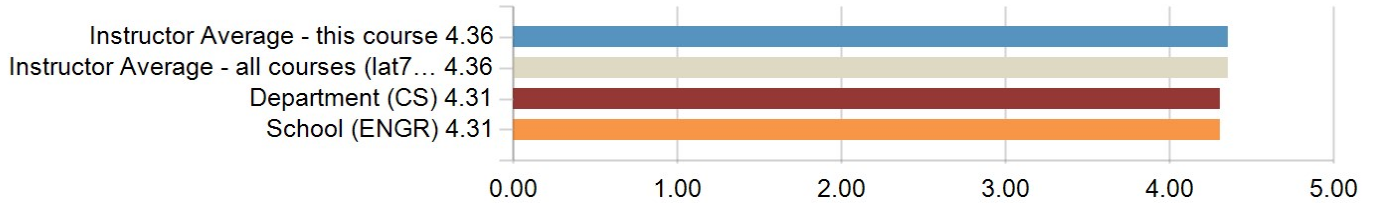## 9. The instructor created an environment that respected difference and welcomed diverse perspectives.

Strongly Disagree (0.00%)
Disagree (0.00%)
Neutral (28.30%)
Agree (18.87%)
Strongly Agree (52.83%)
[Total (53)]
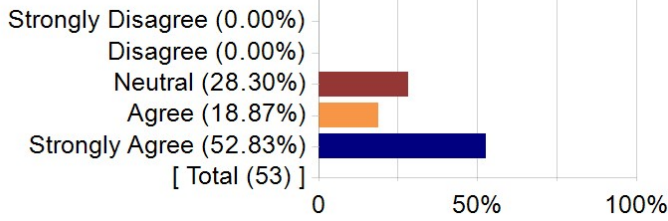
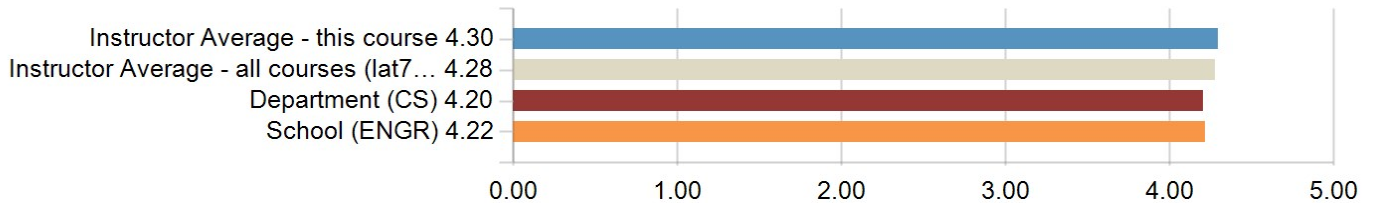| Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	15	28.30%
Agree	4	10	18.87%
Strongly Agree	5	28	52.83%
Statistics			Value
Mean			4.25
Median			5.00
Standard Deviation			0.87

1. The instructor clearly communicated the course schedule and expectations for participation (e.g., readings, discussions).
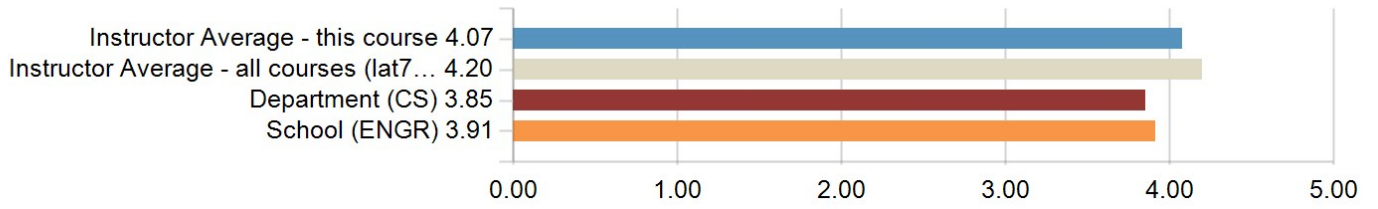
Instructor Average - this course 4.48
Instructor Average - all courses (lat7… 4.46
Department (CS) 4.35
School (ENGR) 4.33

2. The instructor clearly communicated the course learning objectives.

Instructor Average - this course 4.36
Instructor Average - all courses (lat7… 4.36
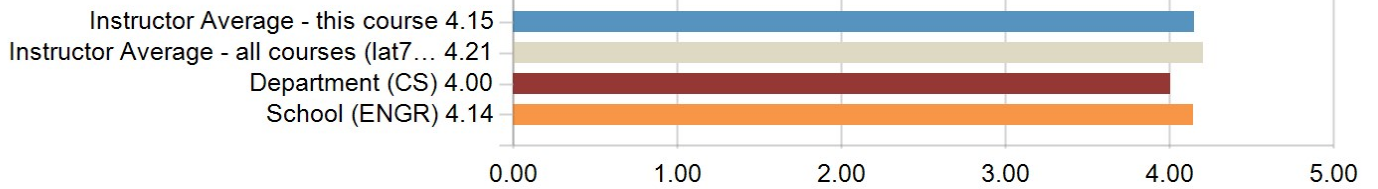Department (CS) 4.31
School (ENGR) 4.31

3. The instructor implemented learning activities and assignments that allowed me to demonstrate understanding of the course material.

Instructor Average - this course 4.30
Instructor Average - all courses (lat7… 4.28
Department (CS) 4.20
School (ENGR) 4.22

4. The instructor provided me prompt and useful feedback on my learning.

Instructor Average - this course 4.07
Instructor Average - all courses (Iat7... 4.20
Department (CS) 3.85
School (ENGR) 3.91

5. The instructor provided opportunities for my active participation.

Instructor Average - this course 4.15
Instructor Average - all courses (Iat7... 4.21
Department (CS) 4.00
School (ENGR) 4.14

6. The instructor was available to help support my learning.

Instructor Average - this course 4.26
Instructor Average - all courses (Iat7... 4.23
Department (CS) 4.09
School (ENGR) 4.20

7. The instructor fostered an environment where I felt valued as an individual and that I belonged in the class.

Instructor Average - this course 4.20
Instructor Average - all courses (Iat7... 4.11
Department (CS) 4.07
School (ENGR) 4.17

8. Overall, the instructor was an effective teacher.

Instructor Average - this course 4.41
Instructor Average - all courses (Iat7... 4.36
Department (CS) 4.14
School (ENGR) 4.16

9. The instructor created an environment that respected difference and welcomed diverse perspectives.

Instructor Average - this course 4.25
Instructor Average - all courses (Iat7... 4.09
Department (CS) 4.01
School (ENGR) 4.08

Legend: Strongly Agree / Agree (blue), Neutral (tan), Strongly Disagree / Disagree (dark red)

- The instructor clearly communicated the course schedule and expectations for pa…
- The instructor clearly communicated the course learning objectives.
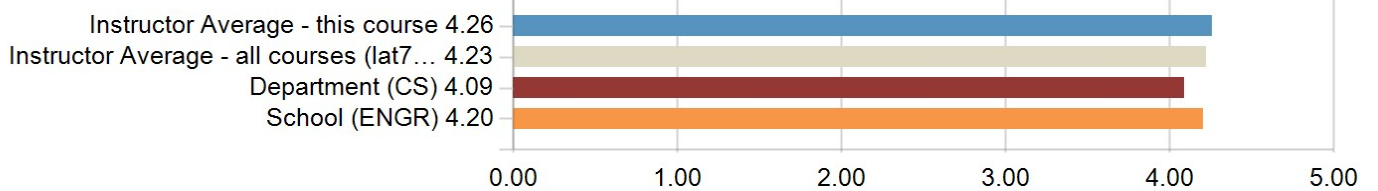- The instructor implemented learning activities and assignments that allowed m…
- The instructor provided me prompt and useful feedback on my learning.
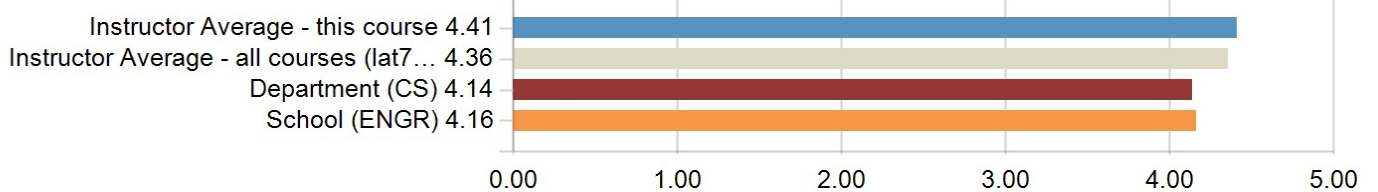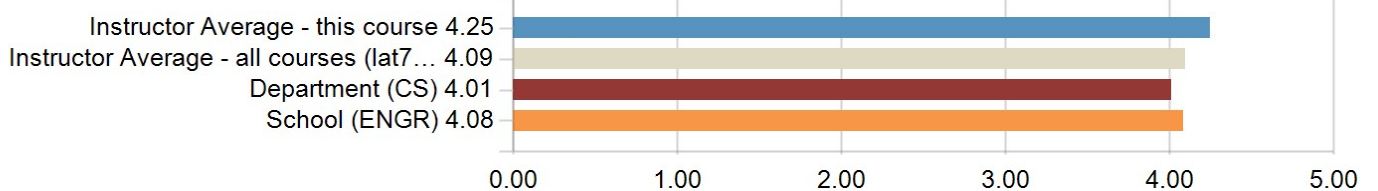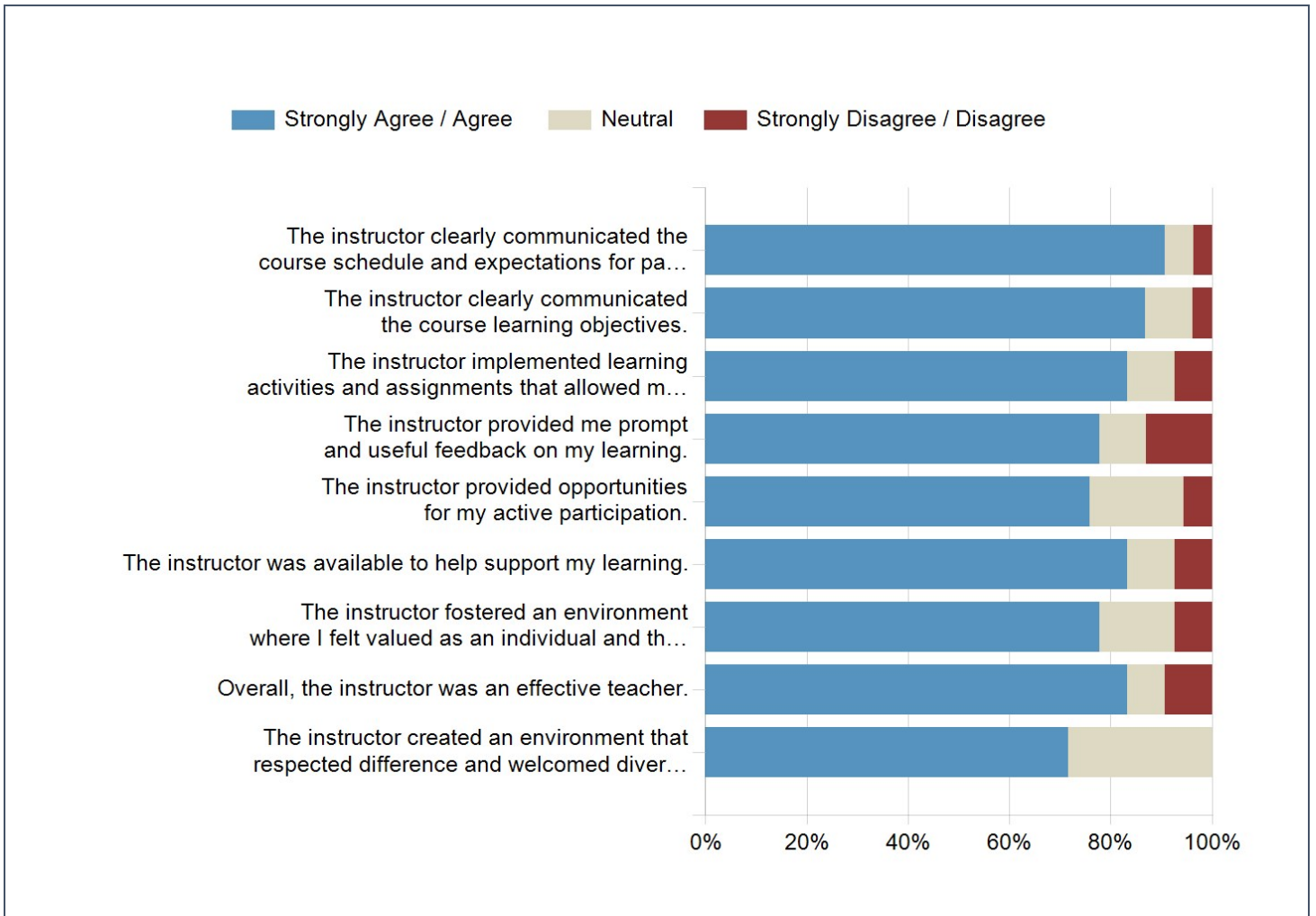- The instructor provided opportunities for my active participation.
- The instructor was available to help support my learning.
- The instructor fostered an environment where I felt valued as an individual and th…
- Overall, the instructor was an effective teacher.
- The instructor created an environment that respected difference and welcomed diver…

Horizontal axis: 0%, 20%, 40%, 60%, 80%, 100%

You selected "AGREE or STRONGLY AGREE" on the previous question: Please give specific examples as to how Luther Tychonievich created an environment that respected difference and welcomed diverse perspectives.

Comments
He frequently asked the class questions and allowed the majority of people to speak, and most often even if the answers were wrong, he used it as an opportunity to teach.
Professor Tychonievich was an amazing professor who respected me when I was struggling in his class. He was very considerate and helped me learn a lot about the content overall.
Had Q&A sessions before all exams and had a life Q&A. He was always willing to answer questions and give in–depth answers.
He was always helpful in office hours. Often the TAs would be unwelcoming and condescending.
N/A
Professor Tychonievich gave a platform to many different ethical viewpoints during the discussion part of the bug reporting lecture
He welcomed all ideas and encouraged everyone to speak up.
Professor Tychonievich was a fantastic professor that was always very engaging and was able to incorporate the entire class and get input from students, even such as me, who is generally pretty reserved in lecture hall environments. He was always open to student ideas and never really shot down student suggestions, but showed them how there was a better way to do something. Truly a professor I'll miss.
He answered every question with a full response and did not hesitate and always gave a full response.
Tychonievich offered many assignments that allowed for diverse approaches to solving the task at hand, and classes were very open to discussion.
Respectively answered all questions without hesitation.
I felt like I was always able to ask questions in class, and that my opinions/questions were welcome during discussion. Furthermore, my professor had a class right after ours but he did always stay after for a bit if I had any questions. I appreciated this thoughtful gesture.
Always happy to answer questions not matter how small or big the question. Also very passionate about the concepts.
He was extremely engaging in class and would always talk with you after class if you had any questions.
He was always supportive of everybody.
really great professor – super smart and funny and he accepts all questions and walks through each one thoroughly until fully understood – looks at things from all perspectives and improvises based on the questions asked in class
All people were welcome to ask and answer the questions in class, allowing for a diverse inclusion of ideas and backgrounds.
The professor for this class always let anyone ask questions about the lecture, and tried to answer in a way that everyone would understand. He never discriminated against anyone, and never refused to answer questions no matter how simple or complicated they were.
Allowed anyone and everyone to participate
Always open to questions during lectures, welcoming to diverse opinions, very helpful overall.
The professor was extremely engaging in the material and always encouraged people to ask questions and answered them with in–depth details.
Anyone was open to answer and ask questions.
Professor Tychonievich was a very knowledgable and approachable person who was always open to questions.
yes
Professor Tychonievich was always willing to help and he truly cared about his students learning and understanding the content. He held office hours every week and encouraged group work during the labs.
n/a
Allowed for many learning accommodations and welcomed different persespectives.
the professor was well accomodating and understood religious and personal beliefs.
He was very welcoming and open to questions in class.

Instructor Comments

What constructive suggestions do you have to help Luther Tychonievich improve this course for future students?

Comments
A bit more instruction on some homeworks and examples (test cases, etc), like how to use the debugger.
Some suggestions I have would be too include more activities to boost learning and understanding beyond homework assignments which could be group assignments.
I think that a little longer on assembly would have been nice. I did hate it in the moment, but afterwards I have realized that it is actually quite helpful in understanding C and the weird things that might be going on behind the scenes.
Vet the TAs more harshly. Many were unfamiliar with the content.
So sad that this professor is leaving next semester. Probably one of the best or best professors I've had. Lectures were very engaging and entertaining.
N/A
Walkthroughs for homework assignments would be really helpful
I think that the last two homework assignments were a considerable step up in difficulty from what we had gotten used to. It was nice to have the extra week to get a head start on the assignment, but I still found myself struggling to complete it on time, as it took a lot of time to look things up and understand what I needed to do (though, I'm sure this was by design).
Maybe provide lecture slides which helps the student be guided and also provides a resource outside of class to use to study. Other than that, everything is fine.
Having discussed this with multiple students, the professor should consider revising the readings. Oftentimes, readings were difficult to understand as they were worded as if the professor was speaking and not in a typical, informative mode of instruction. Lectures were also slightly difficult to follow. It was personally difficult to read the professor's handwriting and the information was no presented in an organized manner. Rather than annotating slides as the lecture goes on, consider adding headers to each slide to help students understand which topic is currently being taught and which topics are yet to be covered.
The course was fine as it was. There could have been more office hours or more on–duty TAs at some points. Sometimes I'd have to wait an hour to talk to a TA to get a lab checked off.
You are great, effective teacher who really knows his stuff. Not going to lie, I struggled a lot at the beginning of the course, but your lectures really helped, and now I feel confident in my knowledge of the subject. I am sad that Illinois is stealing you from us, and I was really looking forward to CSO2 with you. :(Best of luck.
I would suggest adding more practice that is similar to the bit fiddling homework. This way, there would be more practice scenarios and implementaitons.
I believe that provided more clear structure for how each lecture contributes to the overall scope of the class. I understood for the most part what happened in each lecture but there were quite a few lectures where I was at first lost at where I would need to apply the information I learned. This made it difficult to take notes, and also sometimes left me confused when I left class on what I should review for my assignments and assessments.
Professor Tychonievich was an excellent and very enthusiastic professor.
Not much comes to mind, good luck at the new job!
Make the quizzes a little more forgiving.
Thank you Professor. We will miss you
It honestly probably doesn't matter since Luther is leaving, but I'll share my thoughts. For most of the course I thought he was an okay professor, but I had never really interacted with him as I had not needed specific professor help. His classes are alright, I'm indifferent about that, but when I actually needed help he posed useless. When doing a recent assignment, which I went a little too in–depth into on the overall eval, I found myself with code that supposedly worked but it did not pass a single test case on the autograder. I went to numerous office hours and saw a couple TAs and none of them could figure out what was wrong with my code. One TA eventually told me to email the professor to attempt to at least gain partial credit but Luther's response to my email was a link to a Piazza question that didn't solve my problems at all. It honestly hurt that he was so disinterested in my success, as I genuinely did want to learn the material for a while. Later when he was discussing how he felt about college students he told the class that he did not like how students worried about their grades more than their understanding of the material, and then proceeded to inform us that he knows how to write a class where students do not have to worry about their grades but just decided not to. That felt a little iffy to me, and so furthers the feeling that he does not really care about his students.
amazing professor – that's all I have to say

Comments
Some of the concepts that were in the lab, especially the bomb, seemed a little out of scope for me and a lot of students. Having us learn something new within the labs was a good idea so we would get familiar with man pages, but one or two of the labs/homework felt that the content should have been grazed upon in class before going into it.
I think if Professor Tychonievich had actual slides that went along with the lecture content, it would have been extremely helpful and improved my experience in the course greatly.
I would say he can be more organized with his notes and he can try to lecture with slides or at least make slides with bullet points so we can be clearer.
A few of the lectures were somewhat confusing as it was the first time that students were exposed to such content; hence, it would be beneficial to break down the concept into understandable parts at first. Overall, this course was a very rewarding experience, and I thank you so much! All the best at UIUC!
n/a
I think this course was amazing, and probably my favorite course I've taken so far, so I would just say to keep everything how it was, as it worked really well.
Enjoy Illinois!
Keep doing the same shit over at UIUC!
The tests should be adapted to be more reflective of the materials focused on in class.
Please don't leave UVA.
Please improve office hours for future students. I didn't go often, but the times I did made me feel very disheartened as I almost never got helped. Even if I came early my position in the queue would just keep getting pushed further from the top. I would suggest either making the queue a first come first serve situation or increasing the number of TA's there at a time to help since it's hard for one person to get to everyone.
I loved this course and I found it to be extremely useful for understanding computer science.
Well, there isn't quite any need to improve his course plus you are leaving UVA now. For the CSO classes, don't let them change the curriculum because you have curated it very well in a way that guides learning naturally. Thank you for teaching CSO1.
Maybe more TAs
no he is amazing
Have fun in Illinois, I was really looking forward to CSO2.
A curve is definitely needed. Quizzes and homeworks drag down everyone's grades
I think the writeups for the assignments can be more informative. I feel like sometimes I did not know where to start.
n/a
The class is great. Great professor, great coursework. Nothing much to imporve.
make clear an established vision for the class at the beginning of the semester. other than that no suggestions for improvement.
I HAVE TO GOOGLE EVERY SINGLE TERM IN THIS CLASS BECAUSE THE PROFESSOR IS GOING TO FAST AND I HAVE NO TIME TO COMPREHEND AT ALL. THE CLASS CONTENT HAS LITTLE CONNECTION WITH THE HOMEWORK OR THE LAB. I SUFFER EVERY SINGLE THURSDAY AND EXPERIENCE EMOTIONAL BREAKDOWN.
I thought it was really good and well organized. The class website was really helpful and well organized as well.