Report for CS 2910 - 001 CS Education Practicum Luther Tychonievich

Project Title: **2021 Spring Course Evaluation**

Course Audience: **74**
Responses Received: **23**
Response Ratio: **31.08%**

Report Comments

Spring 2021 Individual Instructor Report by Section.

Final Report

Course Name: CS 2910 - 001 CS Education Practicum
Instructor Name: Luther Tychonievich

Evaluation Start Date: May 3 2021 12:00AM
Evaluation End Date: May 13 2021 12:00AM

Creation Date: **Tuesday, May 25, 2021**

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Spring 2021 Questionnaire

Course Preparation:

1. The average number of hours (per week) that I spent outside of class preparing for CS 2910 - 001 CS Education Practicum :

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

Course Questions:

Answer the following questions based on your experience in CS 2910 - 001 CS Education Practicum.
(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.

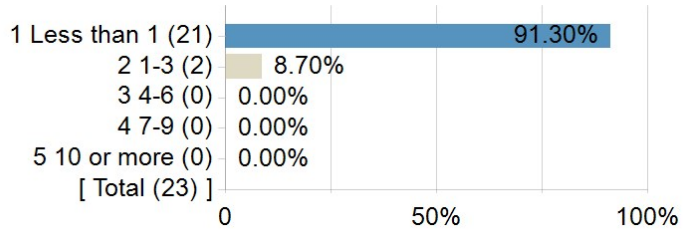
9B) You selected "DISAGREE or STRONGLY DISAGREE" on the previous question: Please give specific examples as to how Luther Tychonievich did not create an environment that respected difference and welcomed diverse perspectives.

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 2910 - 001 CS Education Practicum:



Statistics	Value
Response Count	23
Mean	1.09
Median	1.00
Standard Deviation	0.29

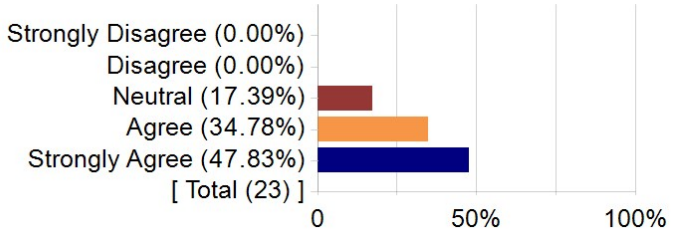
Course Questions

Mean values are displayed below.

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

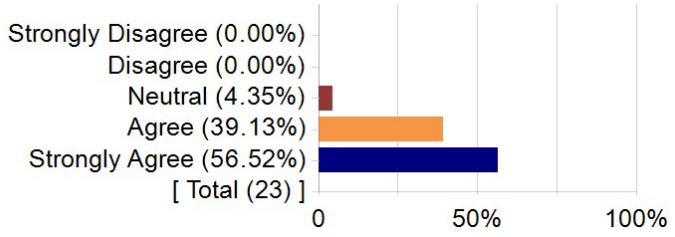
Question	Course (CS 2910 001)		Department (CS)		School (ENGR)		Institution (University of Virginia)	
	Response Count	Mean	Response Count	Mean	Response Count	Mean	Response Count	Mean
The course increased my enthusiasm for the topic.	23	4.30	3672	3.82	9286	3.84	55477	3.99
Through this course I gained a deeper understanding of the subject matter.	23	4.52	3660	4.24	9232	4.23	55158	4.32
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.	23	4.70	3677	4.35	9283	4.38	55441	4.50

1. The course increased my enthusiasm for the topic.



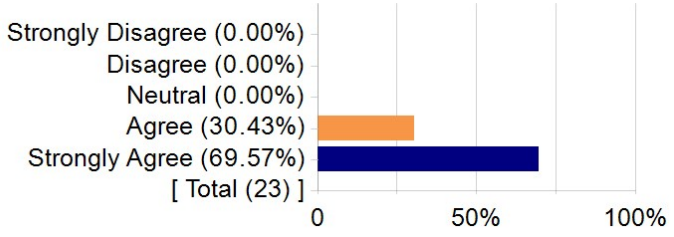
Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	4	17.39%
Agree	4	8	34.78%
Strongly Agree	5	11	47.83%
Statistics			**Value**
Mean			4.30
Median			4.00
Standard Deviation			0.76

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



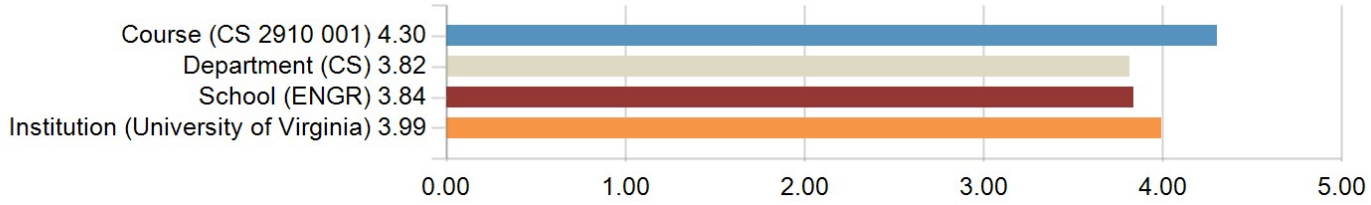
Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	1	4.35%
Agree	4	9	39.13%
Strongly Agree	5	13	56.52%
Statistics			**Value**
Mean			4.52
Median			5.00
Standard Deviation			0.59

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.

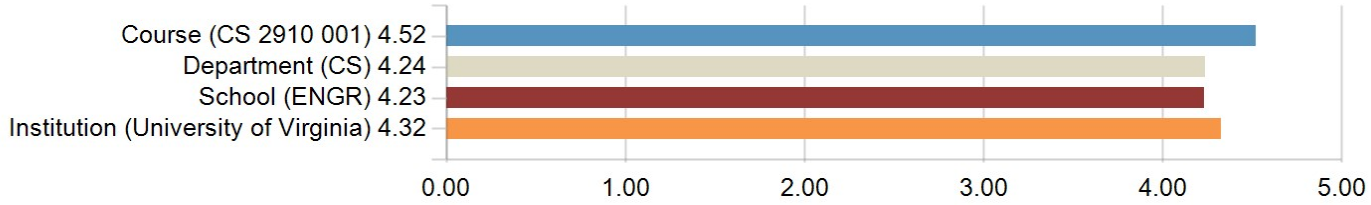


Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	0	0.00%
Agree	4	7	30.43%
Strongly Agree	5	16	69.57%
Statistics			**Value**
Mean			4.70
Median			5.00
Standard Deviation			0.47

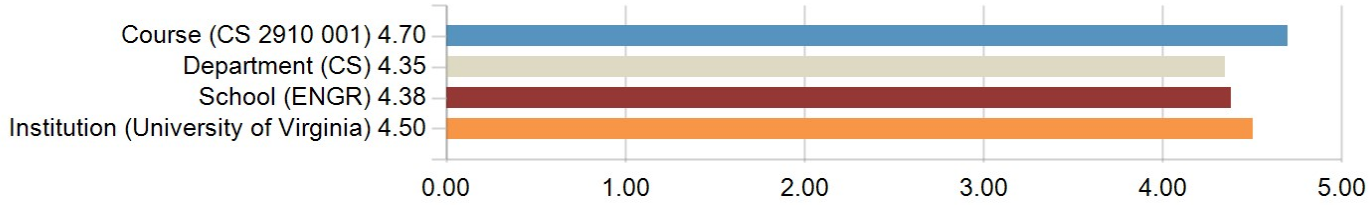
1. The course increased my enthusiasm for the topic.

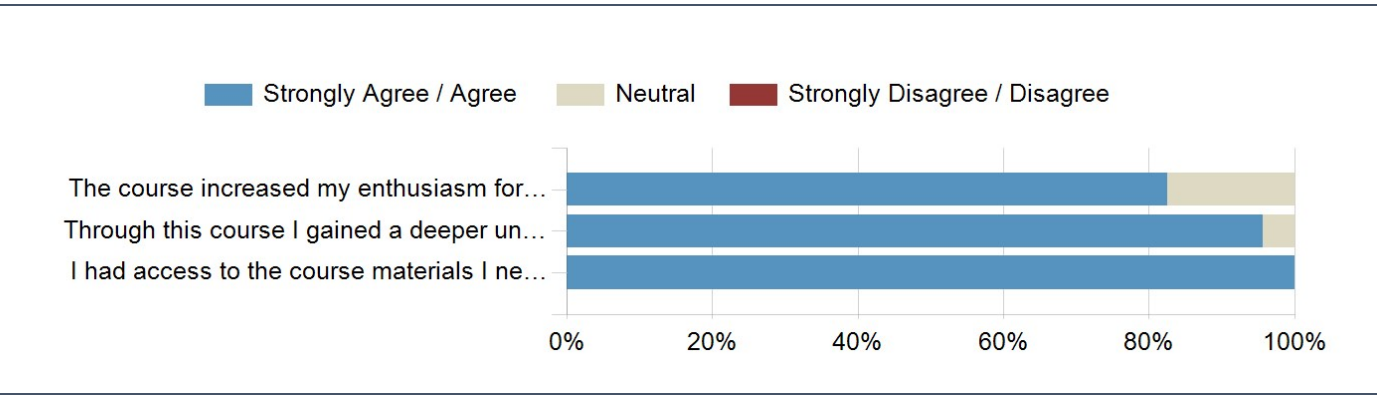


2. Through this course I gained a deeper understanding of the subject matter.



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.





Learning Activities

Mean values are displayed below.

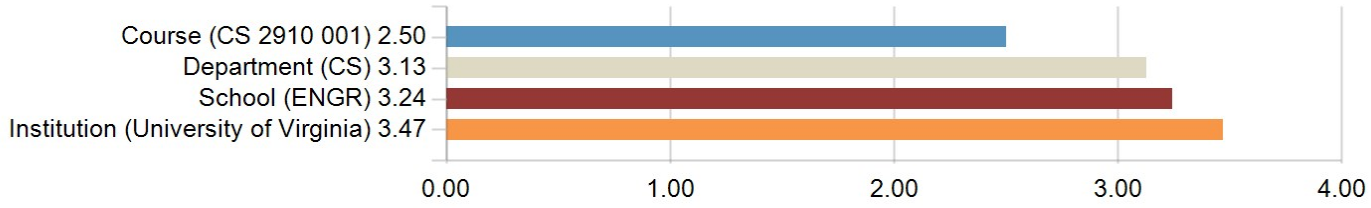
Scale: 1 = Not at All 2 = A Little 3 = A Moderate Amount 4 = A Lot

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

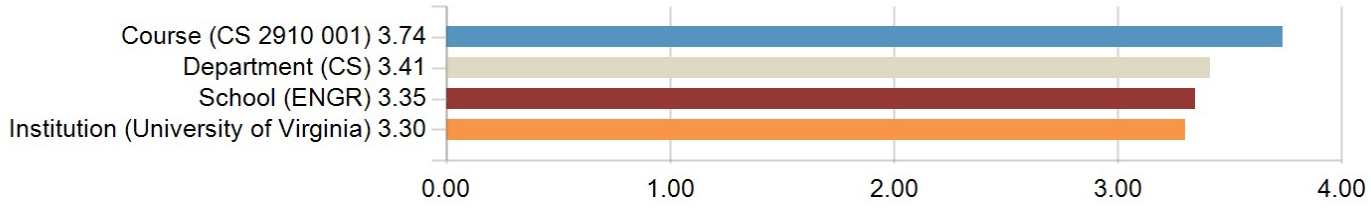
Question	Course (CS 2910 001)		Department (CS)		School (ENGR)		Institution (University of Virginia)	
	Response Count	Mean	Response Count	Mean	Response Count	Mean	Response Count	Mean
Real-time lecture	4	2.50	2620	3.13	7313	3.24	43994	3.47
Recorded lectures	19	3.74	3065	3.41	7213	3.35	33348	3.30
Recorded video demonstrations	8	3.50	2123	3.24	4775	3.17	22190	3.09
Hands-on activities	9	2.78	2867	3.49	6059	3.40	31358	3.37
Real-time, whole-class discussion	1	1.00	1774	2.75	5565	2.90	38534	3.27
Real-time small-group discussion	2	2.50	2167	2.93	5919	3.02	37424	3.25
Online discussion boards	13	2.85	2646	2.98	5563	2.87	25571	2.85
Office hours	1	1.00	2777	2.99	6678	2.97	33386	2.93

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

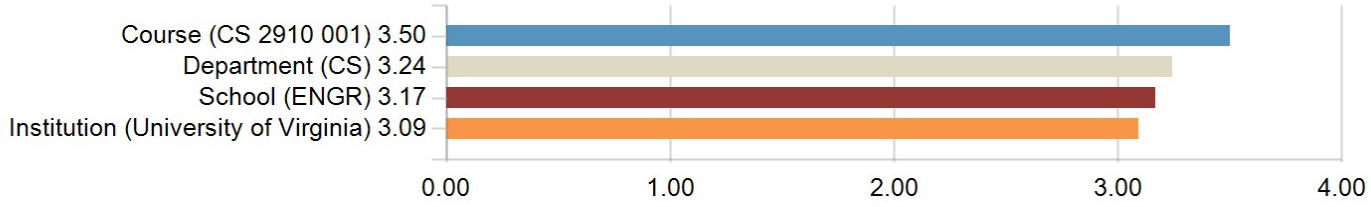
1. Real-time lecture



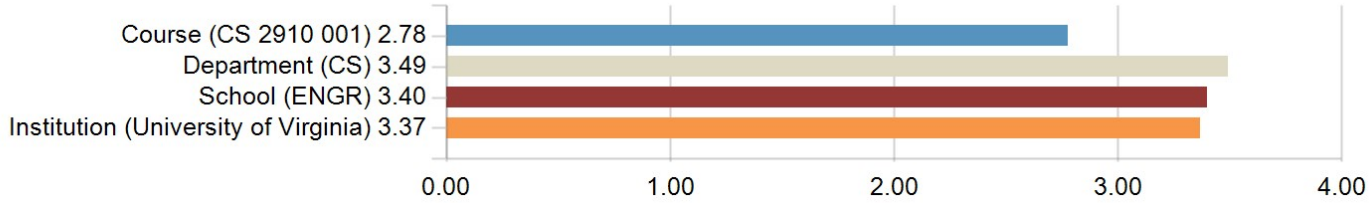
2. Recorded lectures



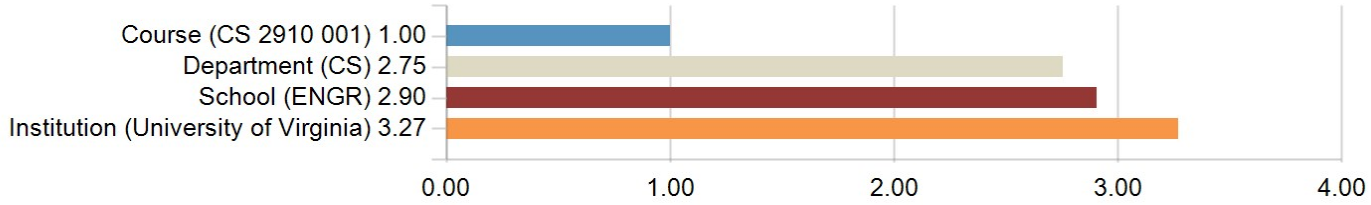
3. Recorded video demonstrations



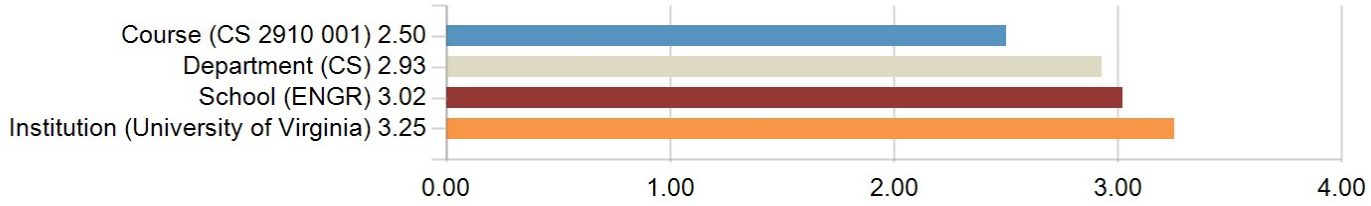
4. Hands-on activities



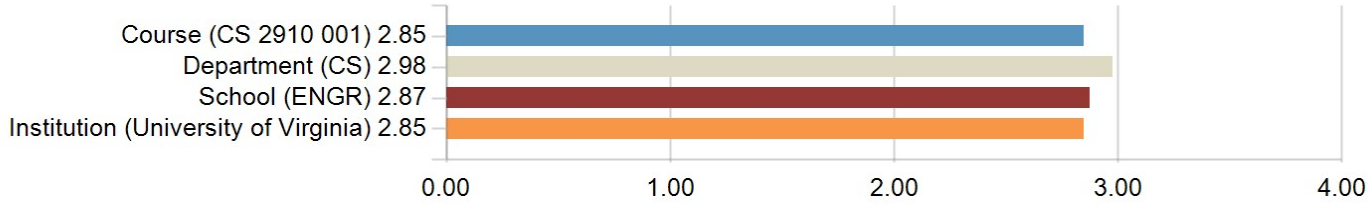
5. Real-time, whole-class discussion



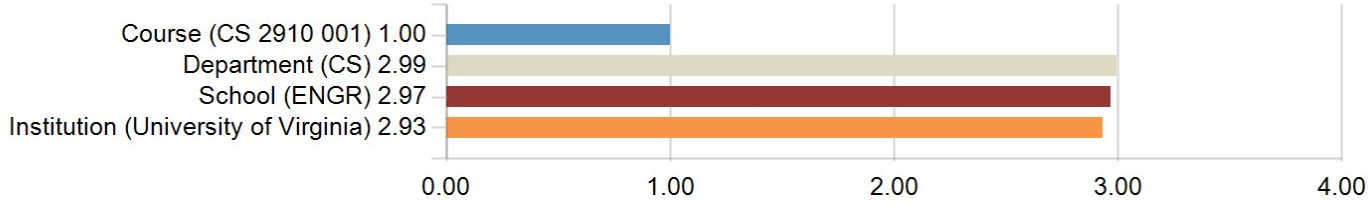
6. Real-time small-group discussion



7. Online discussion boards

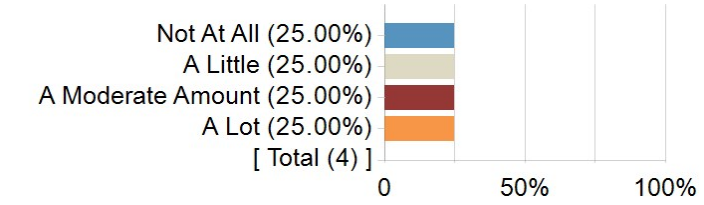


8. Office hours



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

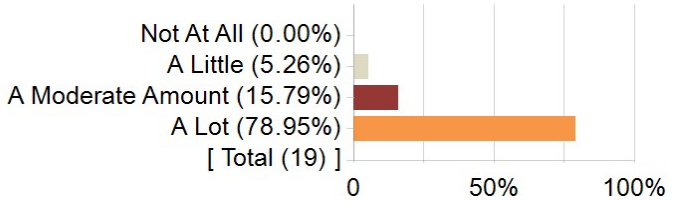
1. Real-time lecture



Options	Score	Count	Percentage
Not At All	1	1	25.00%
A Little	2	1	25.00%
A Moderate Amount	3	1	25.00%
A Lot	4	1	25.00%

Statistics	Value
Mean	2.50
Median	2.50
Standard Deviation	1.29

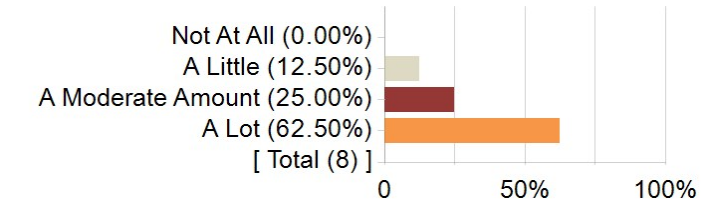
2. Recorded lectures



Options	Score	Count	Percentage
Not At All	1	0	0.00%
A Little	2	1	5.26%
A Moderate Amount	3	3	15.79%
A Lot	4	15	78.95%

Statistics	Value
Mean	3.74
Median	4.00
Standard Deviation	0.56

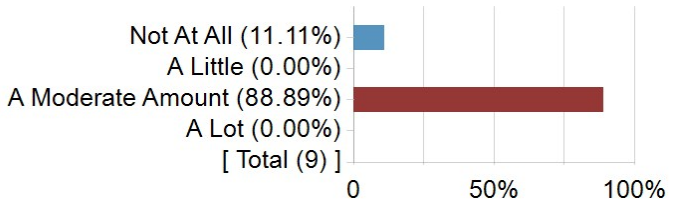
3. Recorded video demonstrations



Options	Score	Count	Percentage
Not At All	1	0	0.00%
A Little	2	1	12.50%
A Moderate Amount	3	2	25.00%
A Lot	4	5	62.50%

Statistics	Value
Mean	3.50
Median	4.00
Standard Deviation	0.76

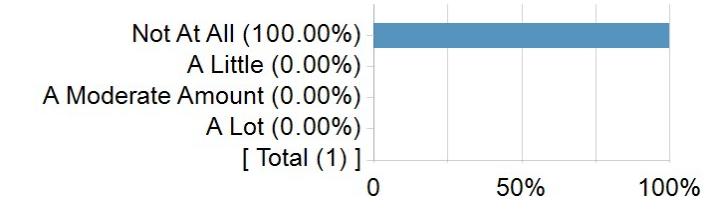
4. Hands-on activities



Options	Score	Count	Percentage
Not At All	1	1	11.11%
A Little	2	0	0.00%
A Moderate Amount	3	8	88.89%
A Lot	4	0	0.00%

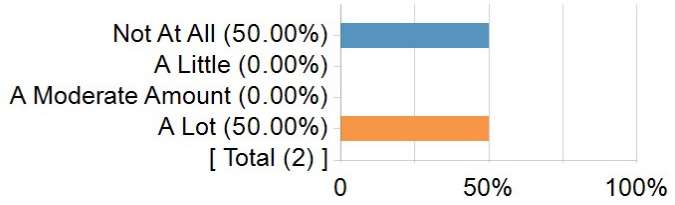
Statistics	Value
Mean	2.78
Median	3.00
Standard Deviation	0.67

5. Real-time, whole-class discussion



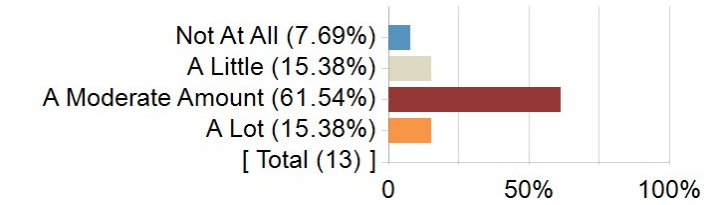
Options	Score	Count	Percentage
Not At All	1	1	100.00%
A Little	2	0	0.00%
A Moderate Amount	3	0	0.00%
A Lot	4	0	0.00%
Statistics			**Value**
Mean			1.00
Median			1.00
Standard Deviation			N/A

6. Real-time small-group discussion



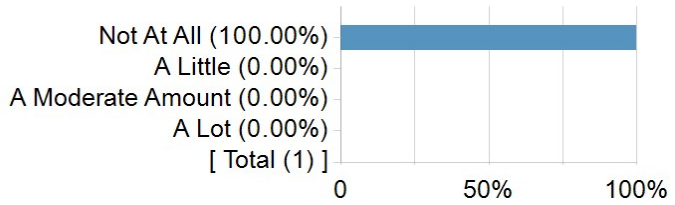
Options	Score	Count	Percentage
Not At All	1	1	50.00%
A Little	2	0	0.00%
A Moderate Amount	3	0	0.00%
A Lot	4	1	50.00%
Statistics			**Value**
Mean			2.50
Median			2.50
Standard Deviation			2.12

7. Online discussion boards



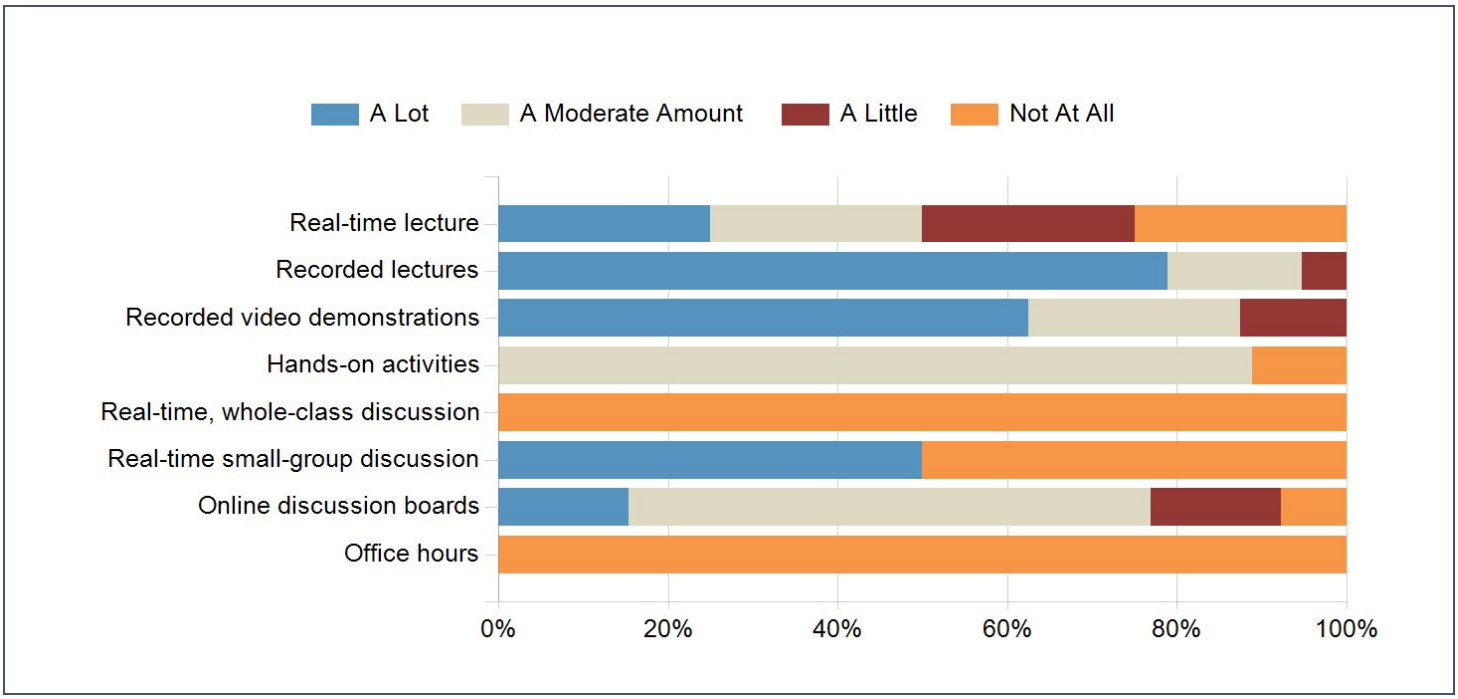
Options	Score	Count	Percentage
Not At All	1	1	7.69%
A Little	2	2	15.38%
A Moderate Amount	3	8	61.54%
A Lot	4	2	15.38%
Statistics			**Value**
Mean			2.85
Median			3.00
Standard Deviation			0.80

8. Office hours



Options	Score	Count	Percentage
Not At All	1	1	100.00%
A Little	2	0	0.00%
A Moderate Amount	3	0	0.00%
A Lot	4	0	0.00%
Statistics			**Value**
Mean			1.00
Median			1.00
Standard Deviation			N/A

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 small–group live discussions were great for getting to exchange knowledge of TAing with other TA's and the instructor.
The lectures were informative and engaging.
Different mediums to learn the same content is a great idea and is executed very well.
Didn't really watch lectures, just read the course content.
The write–ups on the website were very useful as a resource to return to whenever I needed them
I think the videos posted by the professor were always so thoughtful and informative. They really helped me deepen my understanding of the subject matter.
Recorded lectures delivered all the content I needed to be a good TA.
Tychonievich's lectures are so awesome. Such a sweet man.
Video lectures + write–ups of the lectures were very helpful
The recording were helpful to understand how to be a TA.
The videos opened my perspective to all the realities of being a TA.
The website's materials and supplemental lectures were helpful in understanding how to be a better TA.
The recorded lectures were very informative and structured in an optimal way.

Course Comments

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

Comments
I found it to be an immensely informative and thought–provoking class—- it made me conscious of all of the different aspects of being a TA.
Great course!
A good overview for new teaching assistants in CS!
This class helped me feel more confident as a TA and encouraged me immensely. It definitely made me feel less nervous holding office hours and helping students in a course that I had never even attended in person. A great supplement to just starting out and working as a TA.
I found this course to be very informative and helpful in learning how to be an effective teacher.
Professor Tychonievich makes this course super interesting and very fun! The low pressure and time commitment for the course also makes it very enjoyable since students can learn the information at their pace through different mediums and then move on to TA–ing to implement what they just learned.
Cool material, but think it could be better covered as a several hour course on a weekend at the beginning of the year/semester.
A very worthwhile course that increased my appreciation for all of my professors and the complexities associated with their chosen profession
I enjoyed this course. I found the material really interesting and engaging despite it being so different from any other course I have taken before.
Very helpful for new TAs like myself.
I really enjoyed the class, made me think about how I learn and how others learn.
Extremely valuable course for anyone learning to teach CS
I strongly believe that this course should be offered over the summer or J term so that it's completed before students become TAs, rather than concurrently with the student's first time being a TA
I thought this course was interesting and helpful for acclimating to becoming a CS TA.
The website's materials and supplemental lectures were helpful in understanding how to be a better TA.
This is an excellent course that serves its role well as an introduction to teaching computer science. Thank you for explaining such essential topics thoroughly and understandably.

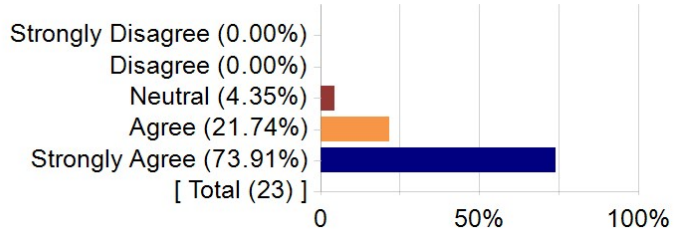
Instructor Questions

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).	23	4.70	80	4.71	3646	4.37	10385	4.35
The instructor clearly communicated the course learning objectives.	23	4.65	79	4.62	3655	4.36	10389	4.36
The instructor implemented learning activities and assignments that allowed me to demonstrate understanding of the course material.	23	4.52	80	4.48	3654	4.28	10400	4.27
The instructor provided me prompt and useful feedback on my learning.	23	4.30	80	4.28	3656	3.98	10415	4.01
The instructor provided opportunities for my active participation.	23	4.35	78	4.26	3649	4.01	10396	4.10
The instructor was available to help support my learning.	23	4.52	79	4.42	3648	4.13	10381	4.24
The instructor fostered an environment where I felt valued as an individual and that I belonged in the class.	23	4.39	80	4.33	3655	4.07	10400	4.16
Overall, the instructor was an effective teacher.	23	4.65	79	4.67	3644	4.15	10385	4.21
The instructor created an environment that respected difference and welcomed diverse perspectives.	23	4.39	79	4.29	3659	4.03	10408	4.09

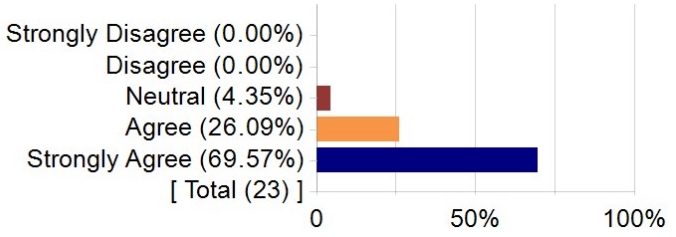
1. The instructor clearly communicated the course schedule and expectations for participation (e.g., readings, discussions).



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	1	4.35%
Agree	4	5	21.74%
Strongly Agree	5	17	73.91%

Statistics	Value
Mean	4.70
Median	5.00
Standard Deviation	0.56

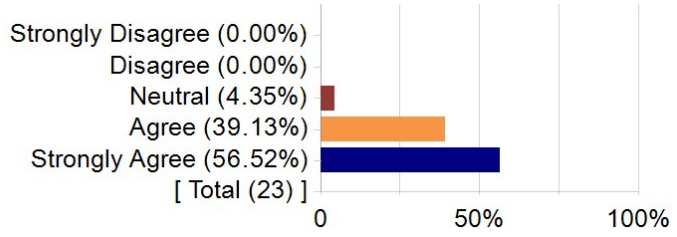
2. The instructor clearly communicated the course learning objectives.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	1	4.35%
Agree	4	6	26.09%
Strongly Agree	5	16	69.57%

Statistics	Value
Mean	4.65
Median	5.00
Standard Deviation	0.57

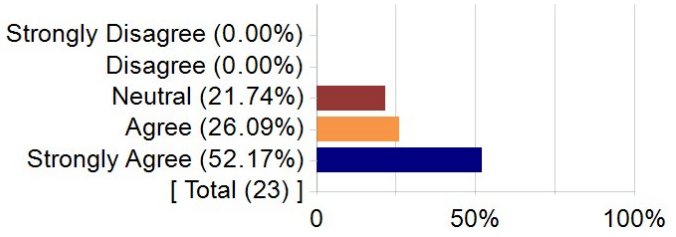
3. The instructor implemented learning activities and assignments that allowed me to demonstrate understanding of the course material.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	1	4.35%
Agree	4	9	39.13%
Strongly Agree	5	13	56.52%

Statistics	Value
Mean	4.52
Median	5.00
Standard Deviation	0.59

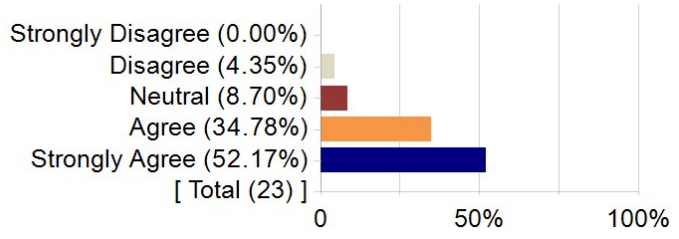
4. The instructor provided me prompt and useful feedback on my learning.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	5	21.74%
Agree	4	6	26.09%
Strongly Agree	5	12	52.17%

Statistics	Value
Mean	4.30
Median	5.00
Standard Deviation	0.82

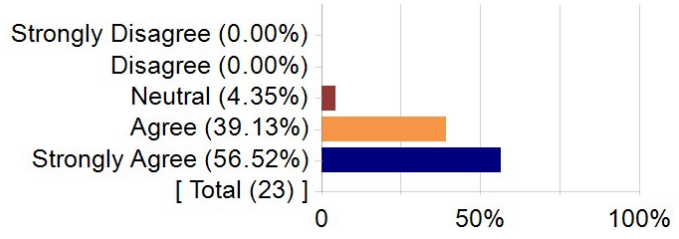
5. The instructor provided opportunities for my active participation.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	1	4.35%
Neutral	3	2	8.70%
Agree	4	8	34.78%
Strongly Agree	5	12	52.17%

Statistics	Value
Mean	4.35
Median	5.00
Standard Deviation	0.83

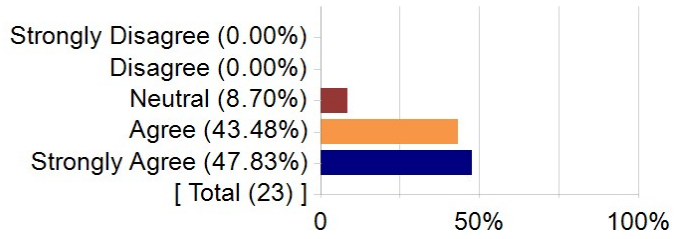
6. The instructor was available to help support my learning.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	1	4.35%
Agree	4	9	39.13%
Strongly Agree	5	13	56.52%

Statistics	Value
Mean	4.52
Median	5.00
Standard Deviation	0.59

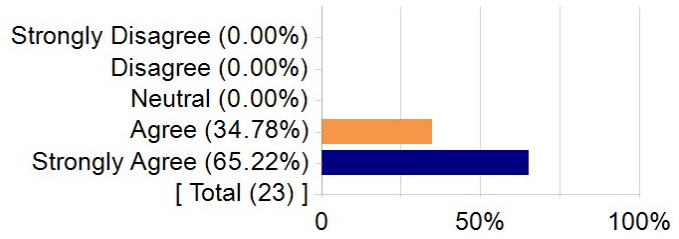
7. The instructor fostered an environment where I felt valued as an individual and that I belonged in the class.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	2	8.70%
Agree	4	10	43.48%
Strongly Agree	5	11	47.83%

Statistics	Value
Mean	4.39
Median	4.00
Standard Deviation	0.66

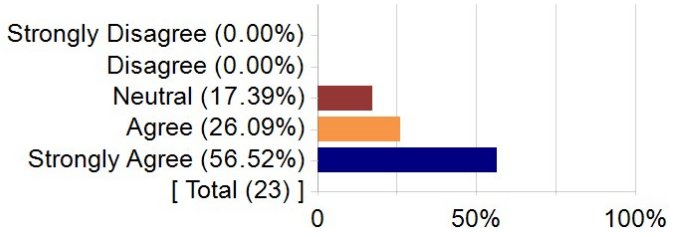
8. Overall, the instructor was an effective teacher.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	0	0.00%
Agree	4	8	34.78%
Strongly Agree	5	15	65.22%

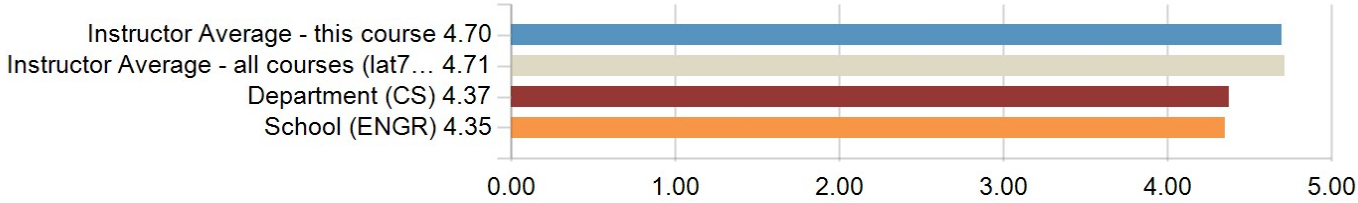
Statistics	Value
Mean	4.65
Median	5.00
Standard Deviation	0.49

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

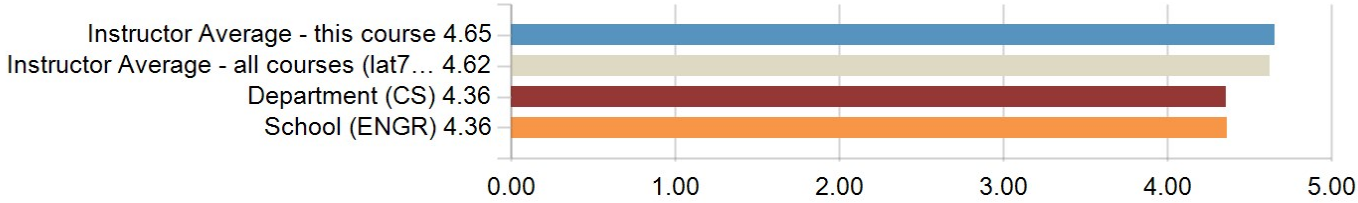


Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neutral	3	4	17.39%
Agree	4	6	26.09%
Strongly Agree	5	13	56.52%
Statistics			**Value**
Mean			4.39
Median			5.00
Standard Deviation			0.78

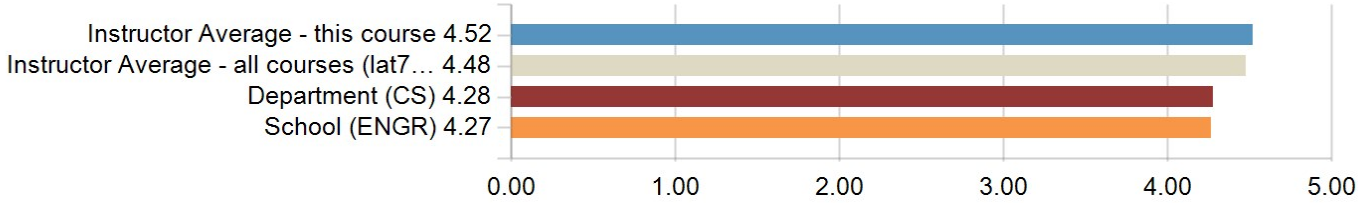
1. The instructor clearly communicated the course schedule and expectations for participation (e.g., readings, discussions).



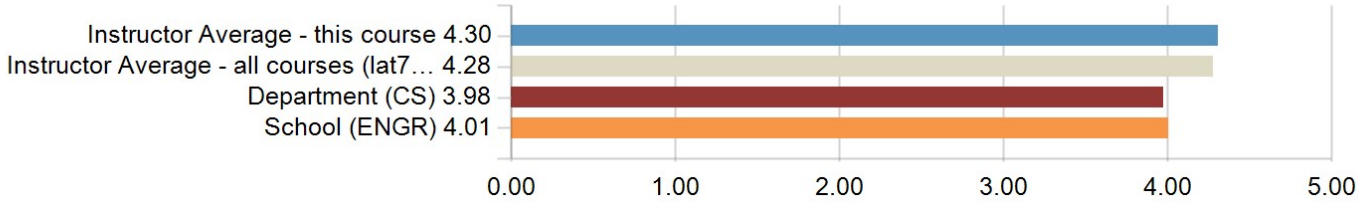
2. The instructor clearly communicated the course learning objectives.



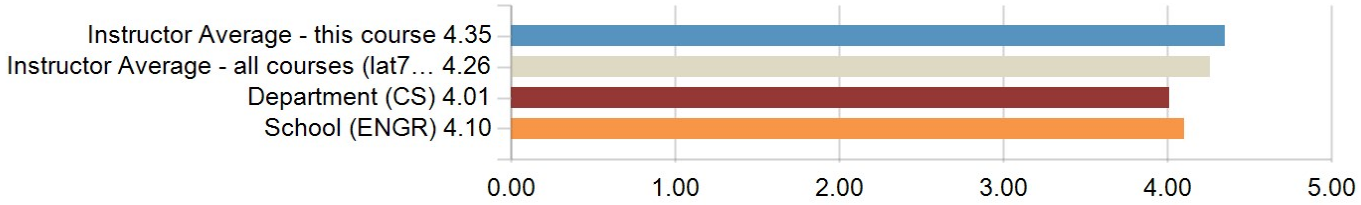
3. The instructor implemented learning activities and assignments that allowed me to demonstrate understanding of the course material.



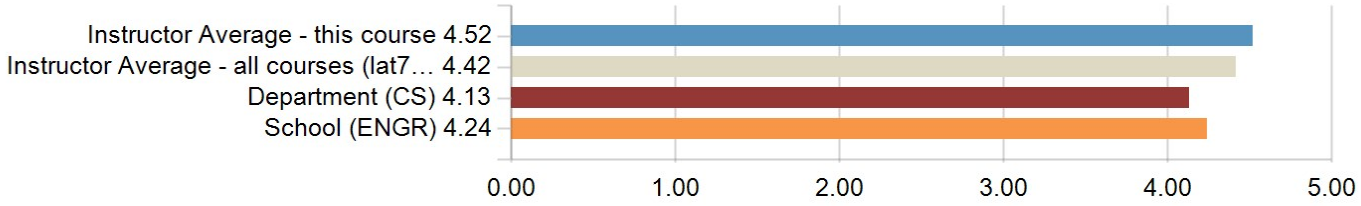
4. The instructor provided me prompt and useful feedback on my learning.



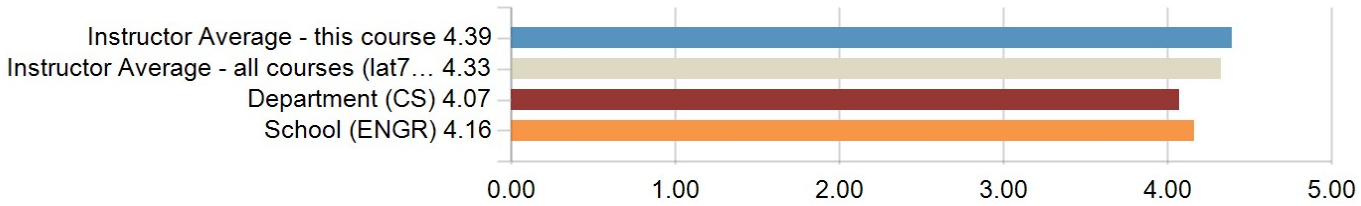
5. The instructor provided opportunities for my active participation.



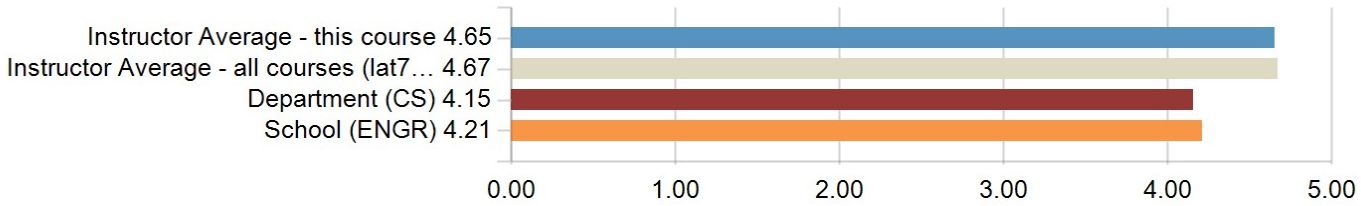
6. The instructor was available to help support my learning.



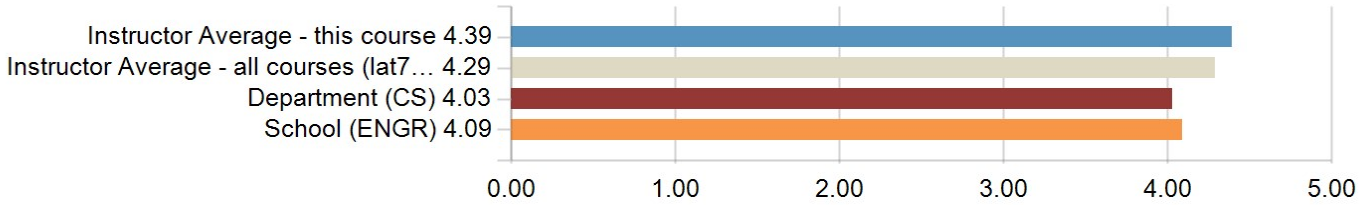
7. The instructor fostered an environment where I felt valued as an individual and that I belonged in the class.

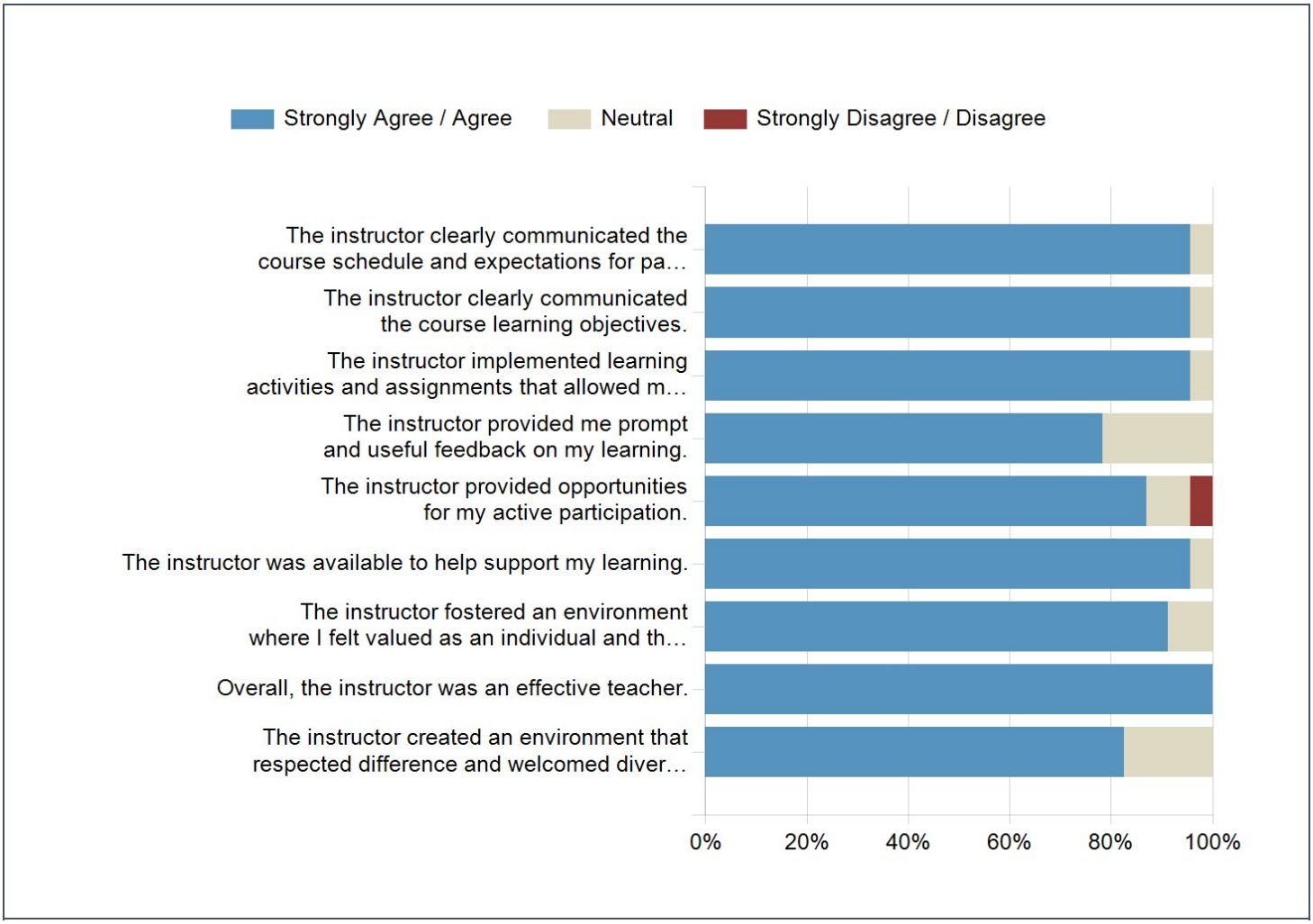


8. Overall, the instructor was an effective teacher.



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





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
This topic was incorporated into our curriculum and the professor was clear about a welcoming environment.
There was a specific lecture about how to be a good TA in terms of dealing with stereotypes and encouraging students to do their best given any stereotypes. Showed dedication to the topic of diversity of demographics as well as fostering a good learning environment for students coming from all different circumstances and environments
The whole class is about learning how to communicate and interact with other people, especially from a student–teacher dynamic, so understanding and respecting differences is a key component of that.
The Discord channels were effective at providing a forum for TAs in all CS courses to provide advice that would be applicable to all TAs regardless what class they help teach.
Professor Tychonievich always encouraged people to come to his live class sessions, which made me feel as though he was really welcoming of our thoughts and opinions.
Students had an open channel of communication in Discord.
Open ended final essay topic.
Taught me about stereotype threat and how to avoid it, and structured the coursework in accordance with those principles, like not bringing up specific hobbies or stereotypes or groups of people, even though these would be useful examples.
Many lessons were about respecting diversity
The professor was interested in hearing the student's opinions and experiences they had with TAing.
Part of this course specifically taught about the importance of welcoming diverse perspectives and respecting differences, plus how to foster a community of respect in the classroom and during office hours.

Instructor Comments

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

Comments
Maybe ask professors to give feedback to TAs in the middle of the semester?
I really enjoyed the different methods of learning (lecture, written, audio) which greatly improved my understanding of the topics. The quizzes were helpful and I enjoyed the activities in each. The grading system seems very fair as well!
None. Thank you for your dedication, I really was glad to be a part of the course and regret that I never attended the synchronous meetings. This was a hectic semester for me and I was not able to get around to it, but even just the recorded lectures were a huge help.
N/A — great course and execution!
Course material very accessible and clear, but some real time interaction would be nice (maybe require one session to ensure attendance).
I have no suggestions, the layout of the course was very accomodating for students' schedules which was very appreciated.
I don't have any suggestions at the moment.
No improvements necessary!
It's great as is.
I never actually went to any live lectures, so I'm not sure how helpful they would have been, but it might be better to encourage greater attendance, for at least the first class. Possibly, including some real life case–studies or examples of class concepts might be helpful for students. I enjoyed the course a lot!
I think that this course should be taught over the summer and J term
I think the format of the course was well set up.
I REALLY enjoyed the content of this course. Liked that it took a scientific approach to how we should teach.
N/A
Truly nothing. Excellent course.