

# Report for CS 1010 - 001 Intro to Information Tech William Leeson

Project Title: 2023 Spring Student Experience of Teaching

Course Audience: **54**Responses Received: **38**Response Ratio: **70.37**%

# **Report Comments**

Spring 2023 Individual Instructor Report by Section.

# **Final Report**

Course Name: CS 1010 - 001 Intro to Information Tech

Instructor Name: William Leeson

Evaluation Start Date: Apr 25 2023 12:00AM Evaluation End Date: May 5 2023 12:00AM

Creation Date: Wednesday, May 17, 2023



# **Spring 2023 Questionnaire**

## **Course Preparation:**

- 1. The average number of hours (per week) that I spent outside of class preparing for CS 1010 001 Intro to Information Tech:
- Less than
- 1-3
- 4-6
- 7-9
- 10 or more

### **Course Questions:**

Answer the following questions based on your experience in CS 1010 - 001 Intro to Information Tech. (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 William Leeson. 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).

## University of Virginia

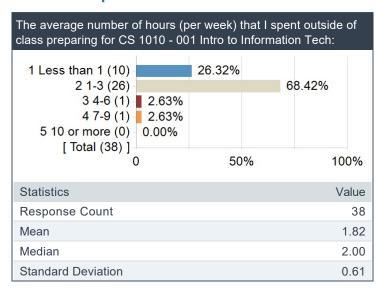
- 2) The instructor clearly communicated the course learning objectives.
- 3) The instructor implemented learning activities and assignments that allowed me to demonstrate understanding of the course material.
- 4) The instructor provided me prompt and useful feedback on my learning.
- 5) The instructor 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 William Leeson 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 William Leeson 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 William Leeson. 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 William Leeson improve this course for future students?

# **Student Preparation**

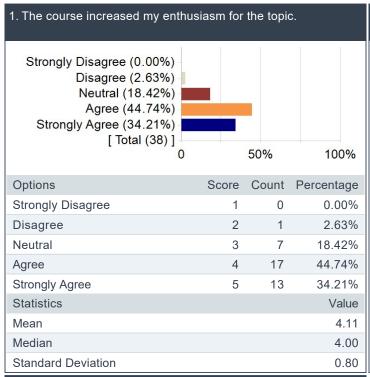


# **Course Questions**

Mean values are displayed below.

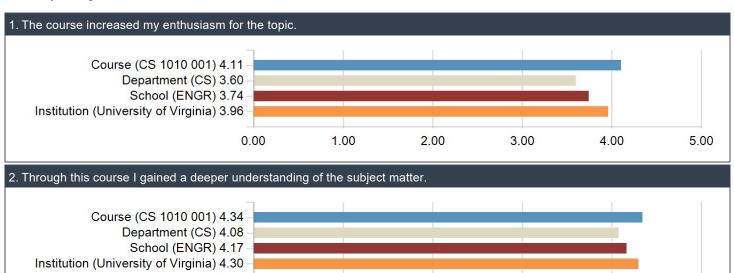
Scale 1 = Strongly Disagree 2 = Disagree 3 = Neutral 4 = Agree 5 = Strongly Agree

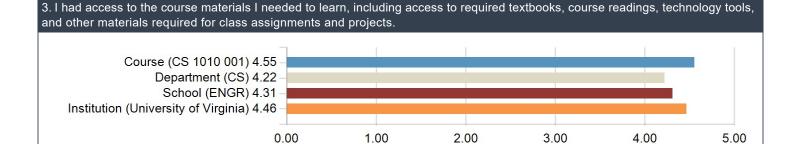
Question	Course (CS 1010 Department (CS)		t (CS)	School (ENGR)		Institution (University of Virginia)		
	Response Count	Mean	Response Count	Mean	Response Count	Mean	Response Count	Mean
The course increased my enthusiasm for the topic.	38	4.11	4428	3.60	10138	3.74	57616	3.96
Through this course I gained a deeper understanding of the subject matter.	38	4.34	4428	4.08	10132	4.17	57587	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.	38	4.55	4429	4.22	10134	4.31	57612	4.46











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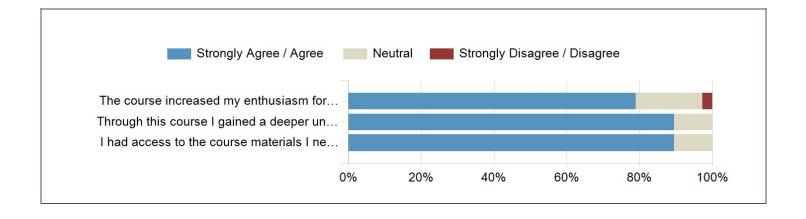
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# **Learning Activities**

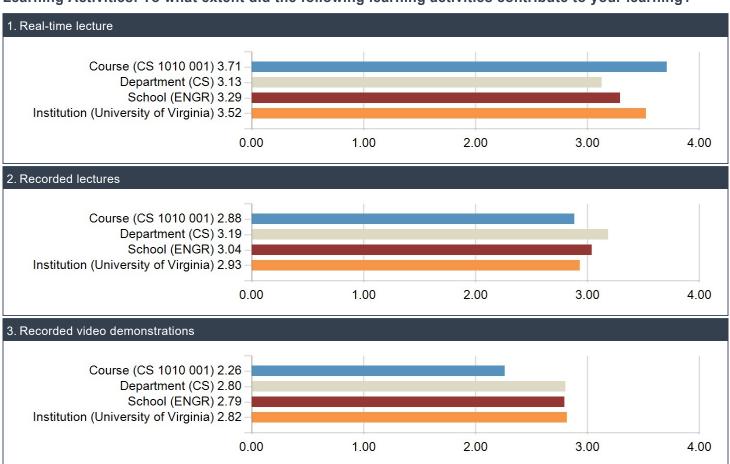
Mean values are displayed below.

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?

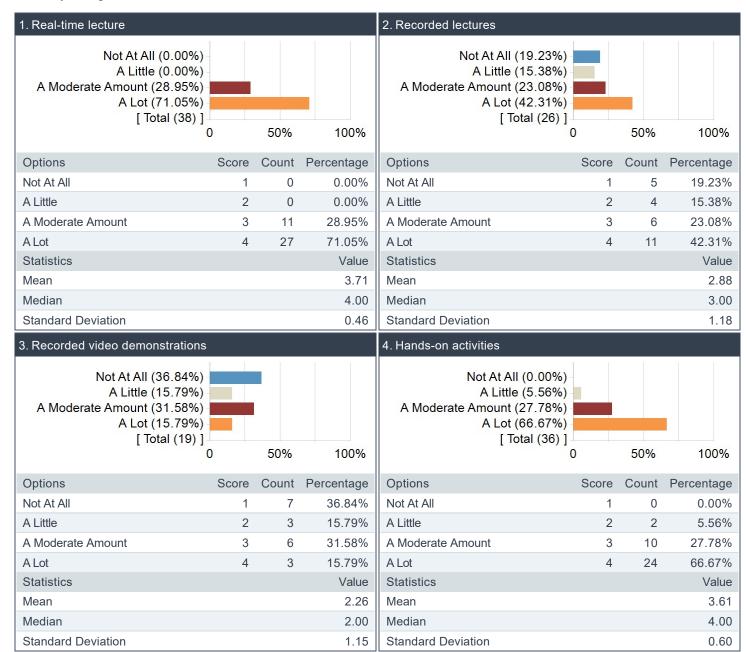
Question		Course (CS 1010 001)		Department (CS)		School (ENGR)		Institution (University of Virginia)	
	Response Count	Mean	Response Count	Mean	Response Count	Mean	Response Count	Mean	
Real-time lecture	38	3.71	3978	3.13	9392	3.29	51941	3.52	
Recorded lectures	26	2.88	3451	3.19	6709	3.04	26343	2.93	
Recorded video demonstrations	19	2.26	2287	2.80	4735	2.79	21957	2.82	
Hands-on activities	36	3.61	3623	3.35	7541	3.34	37755	3.33	
Real-time whole-class discussion	32	3.09	2786	2.59	7031	2.88	43432	3.25	
Real-time small-group discussion	28	2.89	2910	2.81	7010	3.04	40162	3.25	
Online discussion boards	13	2.08	3111	2.88	5731	2.75	24479	2.71	
Office hours	28	2.89	3454	2.90	7461	2.91	34750	2.92	

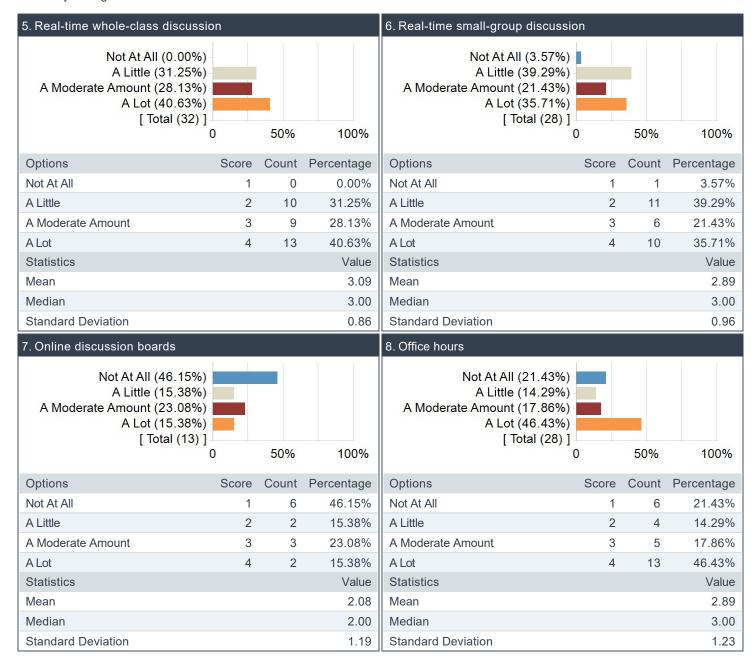
# Learning Activities: To what extent did the following learning activities contribute to your learning?



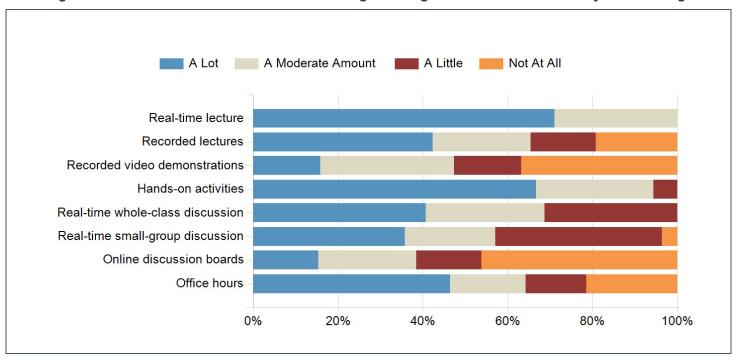


Learning Activities: To what extent did the following learning activities contribute to your learning?





# 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

It made me think about the concepts more deeply and provide real—world connections about what we were learning. When coding, we were able to troubleshoot real time with the instructor and have any questions answered.

We would have lectures and he would do a good job implementing examples into those lectures.

Hands-on coding in class was helpful in understanding the material.

In class activities such as constructing a computer, or reading binary code were very fun and helpful.

Lecture was helpful because he would answer questions and show us how to code!

Lecture was really helpful when learning coding

The class is lecture—based, so all I need is just to come to class and learn, that's why most of the information I got is from lectures and recorded lectures when I do not understand something at first. The instructor also have hands—on activities in class so that I could improve my knowledge of the topics.

Homework and lab days were very helpful to get hands on experience and collaborate with others.

Lectures were very good, in-class hands-on exercises and working through them were also very helpful.

I really enjoyed the hands on aspect of this class, especially when we started to code, as this really helped me learn the material better.

I mostly learned through lecture and working through assignments with peers.

Class discussion was excellent and so were the lecture slides

Lectures is the main way of learning,

The lecture is great! The most prepared class I've taken so far at UVA

I felt like the homework assignments gave me a chance to actually grasp the topics for myself, and gave me a better understanding of how well i knew the concepts.

The recorded lectures and posted slides allowed to not feel stressed about making sure I got down every detail, and actually focus on the content.

Recorded lectures helped me catch up on material whenever I had to miss a lecture

The recorded lectures were very helpful because whenever I needed to recap or go back and view the slides that resource was available.

I gained insight from both the professor's expertise and other students' unique perspectives.

I love the way Will does the presentation, he makes the materials really interesting

I liked his lectures

Lab was very helpful

I really enjoyed the lectures and I learned a lot more from them. Though the office hours did not guide me to any answers, it was more of motivational to get to the answer. If I didn't understand something about the code I would need to learn about it after the assignment was already due. So it was hard to learn from mistakes unless it was the hard way. But I finally got a deeper understanding into computer science and enjoyed it.

Applying the new coding tools we learnt in class on homework and in class activities helped me get a grip on how and when to use code.

Class was great and very informative. Had a great time and learned a lot.

The in class labs were extremely helpful.

The lectures provided a deeper understanding of the realms of computer science. As it was an introduction to the course, it helped to better situate my understanding of the broad spectrum in which my major field could venture to as it is a growing technical age.

Hands on activities in class, particularly with coding, proved useful as assistance was available in real time if I needed help. Office hours were also very helpful.

Office hours were very helpful with answering questions

The lecture material was always very interesting to me and it was easy to pay attention during real time lectures.

# **Course Comments**

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

#### Comments

I had a great time and you could clearly tell the instructor put a lot of thought and effort into both the lecture and the assigned work.

It was a great into IT course where you learn the basics of technology but also coding.

I enjoyed taking this class and learned more about computer science.

Will did a great job at engaging with students and helping those who struggled on their assignments.

I had an overall good experience, and for Mr. Leeson's first time teaching, he did a good job.

I realized coding is not for me, but that's ok! Still enjoyed the class and learned a lot about computers

I have a good experience in this course.

A lot to learn without enough depth to grasp it.

It was enjoyable, relatively easy, and interesting.

I very much enjoyed this class and your enthusiasm was on point every day.

Great class

It is great overall. Easy class but definitely learn a lot

I enjoyed the course. It wasn't too difficult, but gave me the sort of insight I wanted. I came into the class wondering if I might like to enter the field, and I have left with the answer. Though I do not currently plan to continue in computer science, I do think what I learned will be useful in the future.

Professor Leeson's class was great. He was enthusiastic and he made the class enjoyable

It was a good experience, I enjoyed it.

I loved this course! I didn't have much baseline knowledge of coding and technology, but this definition expanding my interest and knowledge of the subject.

I love the course, especially the game development lecture. Really inspiring!

He is very nice guy and very passionate. Easier to learn when a professor is passionate

It was on the easier side but everything could've been explained better and a lot clearer.

I deeply appreciated this course and the instructor was so kind and he actually taught me how I can advance in my career in the computer science path. I took it to understand how computer science works and now I was able to learn that I really enjoy computer science. The professor was very passionate and clearly enjoyed teaching the material and he answered questions thoroughly. I loved the class and appreciated it lots.

I really enjoyed the course and it was very well organized for it being the first semester the course was offered

This is a great course. It kind of like sipping out of a fire hose, but I had some background and was able to keep up. Loved it.

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I got to learn a vast deal of new technological skills and having enhanced my understanding, I plan to dive deeper into the mnagement aspect of devices from handling data on a cloud level to the deeper maths that go into coding.

Excellent course. Of all my courses this semester, this is the one that I feel I came away with the most knowledge, skills, and value from (in proportion to what I knew at the beginning). Professor Leeson is an engaging presenter with a genuine interest the material, who cares about the students he teaches. He finds new ways to explain complicated concepts in ways that make them clear—most impressive for his first time teaching. His pace can be a bit fast at times, but he makes an effort to ensure nobody is lost or left behind. Reasonable workload, challenging but not overwhelming. Highly recommend.

It was a good enjoyable class

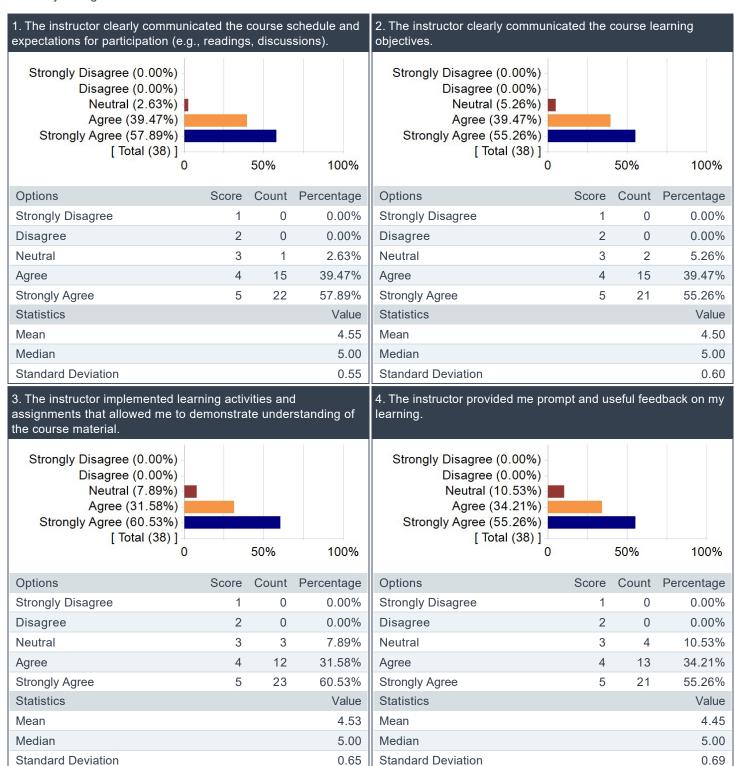
I think that this is a great introductory course for computer science. Personally, though, I wish more coding content was covered.

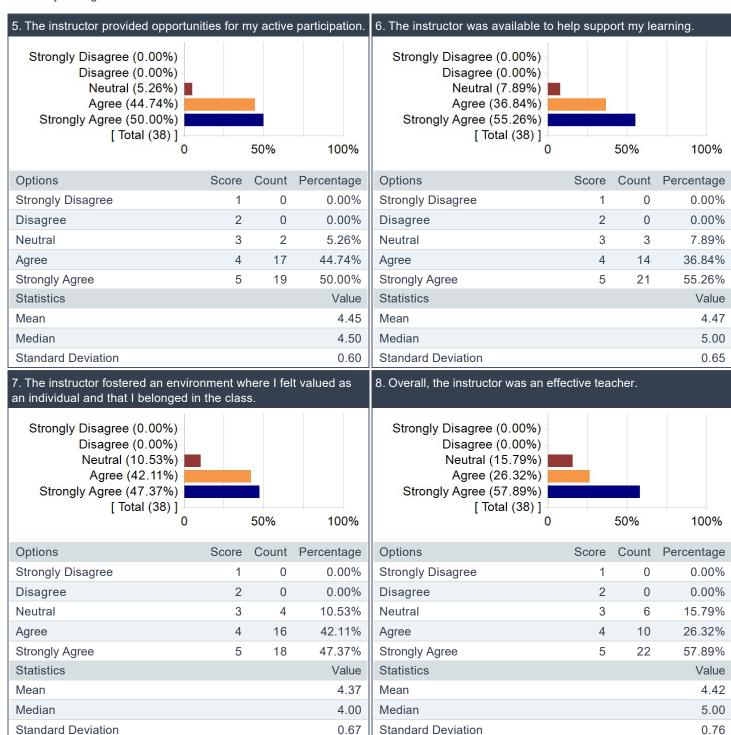
# **Instructor Questions**

Mean values are displayed below.

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

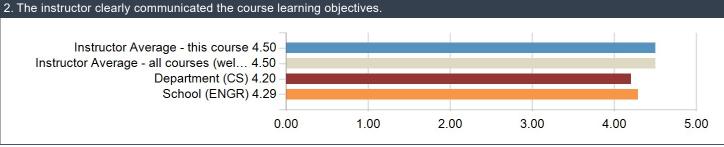
Question	Instructor Average - this course		Instructor Average - all courses (wel2vw William Leeson)		Department (CS)		School (ENGR)	
	Response Count	Mean	Response Count	Mean	Response Count	Mean	Response Count	Mean
The instructor clearly communicated the course schedule and expectations for participation (e.g., readings, discussions).	38	4.55	38	4.55	4605	4.26	10883	4.31
The instructor clearly communicated the course learning objectives.	38	4.50	38	4.50	4603	4.20	10872	4.29
The instructor implemented learning activities and assignments that allowed me to demonstrate understanding of the course material.	38	4.53	38	4.53	4599	4.13	10860	4.22
The instructor provided me prompt and useful feedback on my learning.	38	4.45	38	4.45	4595	3.71	10855	3.87
The instructor provided opportunities for my active participation.	38	4.45	38	4.45	4596	3.94	10854	4.14
The instructor was available to help support my learning.	38	4.47	38	4.47	4591	4.01	10855	4.18
The instructor fostered an environment where I felt valued as an individual and that I belonged in the class.	38	4.37	38	4.37	4599	3.97	10856	4.14
Overall, the instructor was an effective teacher.	38	4.42	38	4.42	4602	3.96	10866	4.12
The instructor created an environment that respected difference and welcomed diverse perspectives.	38	4.47	38	4.47	4592	3.94	10852	4.07

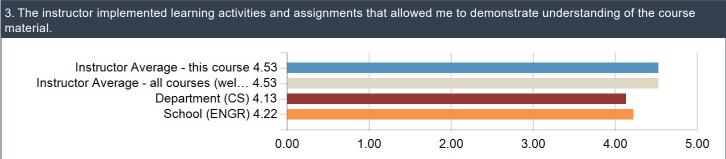


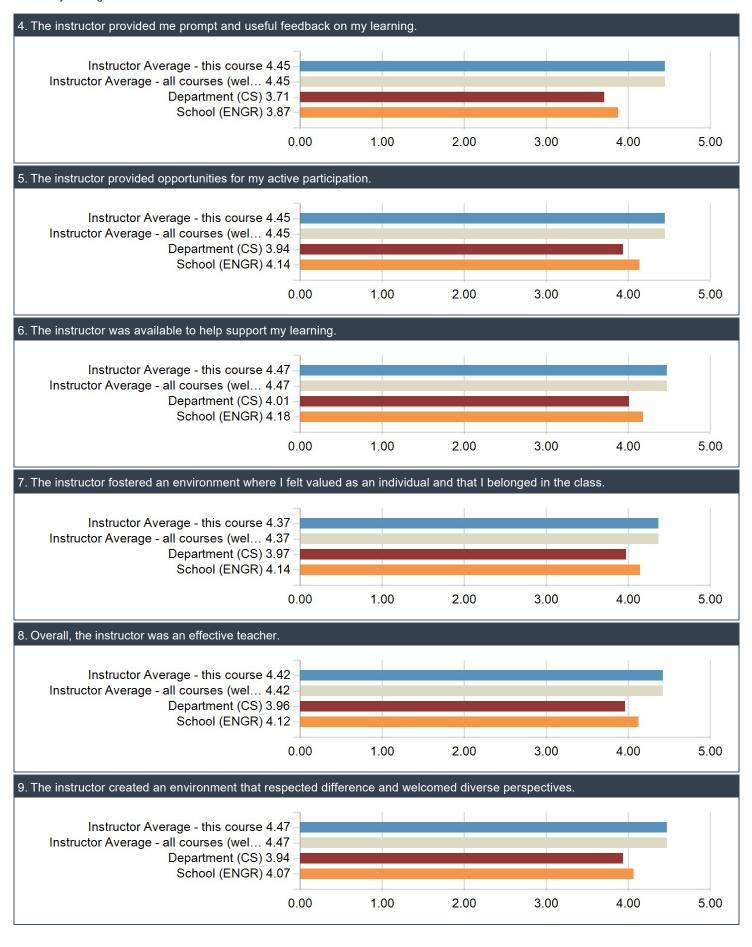


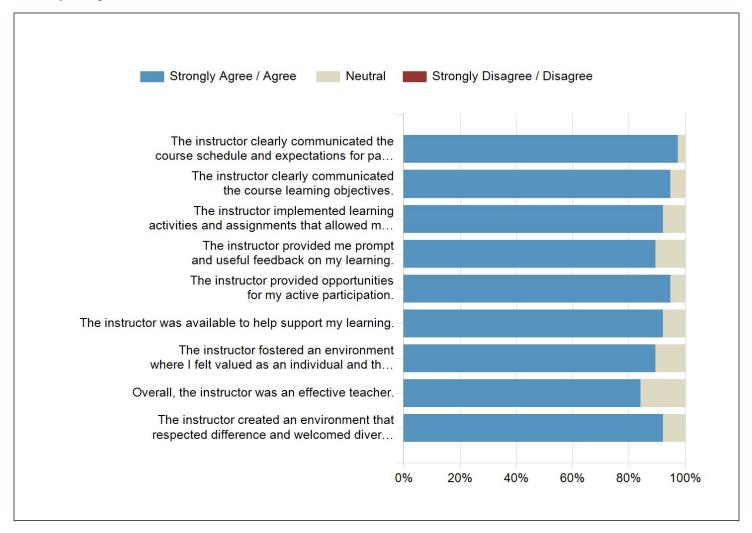
The instructor created an environment that respected difference and welcomed diverse perspectives.							
Strongly Disagree (0.00%)  Disagree (0.00%)  Neutral (7.89%)  Agree (36.84%)  Strongly Agree (55.26%)  [ Total (38) ]	1	50%	100%				
Options	Score	Count	Percentage				
Strongly Disagree	1	0	0.00%				
Disagree	2	0	0.00%				
Neutral	3	3	7.89%				
Agree	4	14	36.84%				
Strongly Agree	5	21	55.26%				
Statistics			Value				
Mean			4.47				
Median			5.00				
Standard Deviation			0.65				











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

#### Comments

I mean... there's not a whole lot of opinion based things in CS, but whenever someone provided an answer he wasn't quite expecting he would respond in a respect manner, consider the other side, and nudge the class towards the expected answer.

He allowed everyone to be able to ask questions. There was not a lot of opinion in Computer science though because its usually right or wrong.

Professor Leeson gave us opportunities to share examples of our problem solving skills, and supported many different ways to approach one problem

Our open discussions allowed Will to engage with multiple perspectives and diverse opinions.

He was very patient when people didn't understand material!

He would always answer any questions we had

He was a great instructor who was really interactive and enthusiastic about teaching and has helped me a lot this course.

Always asked if people had different questions about the material.

There isn't much one can do to emphasize that in a Computer Science course, but judging by his lectures and responses to student questions/answers, I felt that Professor Leeson never made any biased judgements about people.

Class discussion was conducted in a relaxed and safe manner which made every student feel very comfortable and welcome.

Open ended questions in class were low stakes to answer and I never felt stressed answering even if I was not entirely sure of my answer.

### Great teacher

Warmly encourage everyone to speak

He told the class multiple times that the class is for beginners/ people who aren't majoring in CS and that he understands everyone is at different levels.

We were often able to give our thoughts on the content or ideas, and even when something brought up was wrong, the instructor was able to pull out ideas from what was said that was either right or heading in the right direction. We didn't all need to be computer science majors or obsessed with the field, and made the topics applicable to us regardless.

When questions were asked in class he was always open to answer coming from anyone.

He allowed space for anyone to answer and ask questions, and welcomed personal stories relating to the topics.

Sometime when we do the coding. Windows works differently with Mac system, but Will is so patient and he helped solve all the problems

Allowed anyone to ask questions anytime

He was super kind to all the students in the class and despite some students being more knowledgeable than others, he treated everyone the same and he was very understanding and forgiving to students who had any issues. He really is a wonderful dude

He always welcomed any questions or concerns and did well explaining anything to anyone

Leeson was very welcoming of answers, questions, and opinions. There were no dumb questions.

He was always open to everyone perspectives in class discussion. He like when people had questions and was always open to answering them.

### STRONGLY AGREE

He covered a wide range of applicable devices and within those devices and applications, they hold their own cultural diversity. Professor was open with his own experience as well and was willing to include and go forth with the understanding of perspectives of all kinds. As a class, we were a bit reluctant to speak but he was open always.

I mean, it's not like this is a humanities class.

But for the DEI folks looking for something: In coding, there can be many ways to solve a problem—people will take different approaches based on their level of knowledge, technical ability, and often simply the way their minds works. Professor Leeson did well in reviewing how everyone solved their coding problems, even though the means by which people solved them varied. In this way, he provided individual feedback, and helped individual students who struggled in different ways.

We established that all answers are valid and anyone is welcome to share experiences or ask questions

To answers that may not seem entirely correct, he welcomed them and expanded upon the to add to the lecture and create a great learning experience. The people in this class come from different learning backgrounds/majors, and he always made an effort to connect to that.

# **Instructor Comments**

# What constructive suggestions do you have to help William Leeson improve this course for future students?

#### Comments

Have more confidence in yourself and your teaching abilities! You did a great job for this being your first class (it was just the end of the day, so that's why everyone was quiet).

N/A

I do not have any.

NA

With the coding section, instead of lecture, I would do an entire class where we just coded with you and you explained as you went along. Typing it out with you helps python feel more comfortable.

Maybe slow down a little bit on the coding part, it does tend to get confusing

I have nothing to add so far, he did a great job.

I would say that he approaches this course without understanding how little background many students have in this topic. Maybe have a lot more in class hands on projects to help people even know what questions they have.

Nothing to say, you held a comfort class that I always enjoyed attending.

More working through in-class exercises. I would also appreciate taking 5–10 minutes at the start of classes after homework to go over the homework.

I would definitely keep the same lesson plan you had for this year, as I think your choice to spend class or two covering a new topic was really cool and very fun to engage with.

I took this class primarily to get an introduction to Python. I think it would be helpful for students to be coding alongside the professor when learning to code. I took a class fall semester where we learned the basics of R, and coding alongside the professor was very helpful.

He was excellent and very good at describing difficult concepts

Maybe more class exercise and hands-on practice? Overall, I think it already surpass most uva classes in terms of quality

Sometimes in the lectures on coding, the slides didn't fully show how a piece of code, such as a function or loop, would fit into the larger code. Syntax is important, and I often felt confused about syntax and fitting the piece together when it came to homework assignments. Overall, the content was great. This is just an area that could be improved in the future.

The class was great overall. But I think you should make students do more hands on stuff during class.

Maybe talk a little slower during lectures.

Maybe slow down the PowerPoints or break up some of the topics.

I love the course! Definitely keep the game development for the future. It was fun

none

Explain more clearly

It'd be nicer if the course went slower for the coding part. Since I feel as everything went too fast for the coding portion and then I really got lost and I really despised myself for not being able to understand and keep up with the course. It killed my drive for coding for the last few weeks and I was really sad that maybe I am not fit for coding after all. I usually don't give up on my coursework but I hit a brick wall and said I can't do it and doing assignments was a struggle. I am very knowledgeable on how computers work and its history but I wish I was able to understand coding in a deeper perspective. Otherwise I am fortunate to have been your student! Thank you for the great course and I hope only for your future success. I really appreciate your patience, it felt weird to ask so many questions and I felt super annoying but that might have been because of college in the US and its pressure. Regardless thank you once again for being awesome and I hope to see you again someday! :')))

Maybe more in class activities and less time lecturing, but how the course was is fine as well

Keep it up. I'm sure you'll get a lot of complaints about the amount of content, but I think that its pretty reasonable and that all of it is very relevant to the rest of the UVA CS curriculum.

na

It would help to slow down and create more simple engagement tactics for understanding to sync in.

Slowing down just a bit while presenting may help students keep up with new concepts.

A few more examples or in-class exercises regarding working with Python may help the transition from concept to ability.

# Comments

You do a great job of helping students on an individual level and coming up with clever ways to explain complex topics in an understandable way. I came away with a lot from this class. I hope you'll continue teaching—you have a knack for it.

## Teach it similar to this

I wish there was more coding involved in this class, including more real time coding, and I also wish web development was covered.