CS 1110-002 **Introduction to Programming** - Fall 2013

ENGR (18719)

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

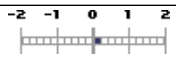
Respondents: 103 / Enrollment: 140

Summary: CS 1110-002 Introduction to Programming - Fall 2013 (18719)

Overall Course Rating

CS-1110-002 Mean 4.05
CS-1110-002 Std Dev 1.03
CS-1110-002 Response Count 502

Difference from Category Mean, Expressed in Category Standard Deviations



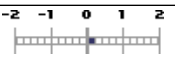
0.13

SEAS, 1000-level courses Mean 3.91
SEAS, 1000-level courses Std Dev 1.03
SEAS, 1000-level courses Response Count 10807

Overall Instructor Rating

INSTRUCTOR: Tychonievich, Luther
Mean 4.25
Std Dev 0.92
Response Count 708

Difference from Category Mean, Expressed in Category Standard Deviations



0.19

SEAS, 1000-level courses Mean 4.05
SEAS, 1000-level courses Std Dev 1.02
SEAS, 1000-level courses Response Count 18144

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

1. How accurate is this statement for you: After taking this class, I am more likely to major or minor in CS.

~
Question Type: Likert
~
contributed by Tychonievich, Luther (lat7h)

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
102	3.11	1.38	23 (22.55%)	16 (15.69%)	29 (28.43%)	17 (16.67%)	17 (16.67%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
102	3.11	1.38	23 (22.55%)	16 (15.69%)	29 (28.43%)	17 (16.67%)	17 (16.67%)

2. How accurate is this statement for you: After taking this class, I have a better appreciation for Computer Science.

~
Question Type: Likert
~
contributed by Tychonievich, Luther (lat7h)

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
101	4.27	0.93	48 (47.52%)	41 (40.59%)	6 (5.94%)	3 (2.97%)	3 (2.97%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
101	4.27	0.93	48 (47.52%)	41 (40.59%)	6 (5.94%)	3 (2.97%)	3 (2.97%)

3. How accurate is this statement for you: After taking this class, I personally have a better understanding of fundamental concepts in Computer Science.

~
Question Type: Likert
~
contributed by Tychonievich, Luther (lat7h)

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
101	4.37	0.85	53 (52.48%)	38 (37.62%)	6 (5.94%)	2 (1.98%)	2 (1.98%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
101	4.37	0.85	53 (52.48%)	38 (37.62%)	6 (5.94%)	2 (1.98%)	2 (1.98%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

4. How accurate is this statement for you: Pair Programming helped me learn the material better.

~

Question Type: Likert

~

contributed by Tychonievich, Luther (lat7h)

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
101	3.45	1.23	24 (23.76%)	28 (27.72%)	26 (25.74%)	15 (14.85%)	8 (7.92%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
101	3.45	1.23	24 (23.76%)	28 (27.72%)	26 (25.74%)	15 (14.85%)	8 (7.92%)

5. Which topic/lecture in this course was your favorite and why?

~

Question Type: Short Answer

~

contributed by Tychonievich, Luther (lat7h)

Results for CS-1110-002, Tychonievich, Luther

Total	Individual Answers
84	*See below for Individual Results*

The beginning because that's the last time I really really understood things thoroughly

I think my favorite topic in this course would have to be game design. It was challenging and felt very rewarding when I was successful. I really loved everything I learned this semester.

Everything about this course was very interesting to me and helped me to learn a lot about computer programming. Some of the more interesting lectures were ones that simply discussed the effects and implications of computer programming.

I most enjoyed the topics that discussed computer algorithms and class/method structures. I have an interest in computer logic, and those tied in most closely.

The one where he talked about the applications of CS to everyday life, politics, media, law enforcements, armed forces, and all the different facets of modern life that aren't intuitive when computing comes to mind.

Classes: I though this was taught well, and the zombie homework was worthwhile.

Networking. It seems like it would be the most useful, and I found the programming challenging.

Homework. No relevance to exams.

Zombies were the best because we made a game.

recursion - even though it was the most difficult to understand, I feel like it is one of the most interesting and useful topics we learned this year

I really enjoyed recursion. I definitely had to work to understand it but once it clicked it was really rewarding .

Recursion

I honestly couldn't say. Most of what we learned built on what we had done previously, so I can't exactly separate one topic from another. I enjoyed all of it except maybe recursion, and that's only because I had trouble understanding it.

The basics in the beginning were my favorite because all of a sudden I could write useful code in a language I didn't know before.

I liked HW6. The idea of making video games has always been an interest, and the fact that I did it in a form was very satisfying.

The array part. It is useful and interesting.

loops...they were the most logical

I enjoyed learning how to do methods because it was the most helpful in writing code, and brought together a lot of CS topics

I liked the chases that we did, because we still learned the material, but we got to get up and move while doing so.

reading from websites

the easy stuff because it was easy

recursion

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	The map activity Making classes/methods because of their practicality. Loops, hw started becoming more interesting. internet/networking - I enjoyed learning how the everything on the internet is connected and corresponds I liked learning how to calculate things using code such as figuring out how websites can test if credit cards are valid recursion it makes you think in a different way Loops! The networking lecture was the most interesting because you could see how all computers are connected and how things are shared Networking, because I learned to implement programs that take advantage of such a powerful system. Loops - I particularly enjoyed the homework assignments regarding loops because they showed how powerful loops could be and gave a very good understanding as to the logic behind loops. My favorite topic in the course was making classes talk to each other. HW 5 though extremely stressful was very interesting. Loops because they are little codes that can do a lot. My favorite topic was recursion. This is a result of its usefulness as well as how cool it was to write programs that featured recursion. I really enjoyed Dr. Tychonievich's lectures on networking. This was one of many that was presented in a very interesting and engaging manner and offered a lot of valuable information to me. Recursion. It posed the most challenge to me personally, and I enjoyed breaking down the problems logically. I liked learning about loops the most because they are such a fundamental part of programming and put the user in control. Writing methods/classes, because it lets you do a lot more, and write cool programs (like ZombieSurvival) Networking because it is a topic we take for granted everyday. Overall, I just began to realize the amount of programming and complexity (in the non CS term meaning) behind the computing functions that I use daily. I'm not sure if this falls into a specific topic, but it was the most important thing that I think I gathered from the course, seeing as I did not and do not intend to pursue CS any further. The earlier homeworks were interesting and not stressful. Loops. I guess they were fun GPS: very interesting Method writing/zombies. Showed me how hard coding a simple game can be and made me appreciate CS more My favorite topic was networking. It was interesting to learn how to communicate between two computers. Every one was very well thought out and executed n?A I enjoyed networking because it taught me how to connect with other computers, as well as giving me insight onto concepts such as IP addresses and the way the Internet functions. I liked recursion because I though they were fun to figure out. loops I enjoyed recursion section very much. Using the method itself to create a chain of action that works toward a goal was fascinating. In general this class was very interesting

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	Loops no reason The network topics covered for the 7th homework assignment were the most interesting to me. Yoshi chase Recursion - grappling with and finally understanding recursion solidified my understanding of methods. I really enjoyed learning how to write classes because it was a culmination of everything we had learned and showed how to create actual objects networking Zombie homework. It was hard, but still useful I didn't have a favorite, but I enjoyed the class Socket Server If statements/for loops methods and classes because we had the most freedom Some of the home works such as the GPS coordinates or the NetPig Game. Methods I liked being able to make complex code more concise. Loops The basics were better, because I found them more practical. Nothing it was horrible. I really enjoyed learning loops because they aren't particularly hard but can be tricky at times and they make things much easier. Methods and Classes- That's where I started to really understand what was happening in CS I really enjoyed recursion, specifically the fractals that we discussed one lecture. I thought that they were very fun to create and I enjoyed working with turtle drawings again. I most liked doing the Travel Navigator homework and understanding the construction of a program that can build a url. Networking, because it is extremely relevant and applicable. I really enjoyed the zombie game. Also later topics regarding the internet and advanced IO were interesting because of the real world applications. Networking, it was the most interesting. learning how to write methods was probably my favorite because it incorporated many of the concepts we had learned into one coherent task. The fact that we use methods to break down a problem helped me understand better how programming works logically. I'm not sure. All the lectures were engaging and interesting, and I really don't think I can pick a favorite. My favorite topic was loops (while and for loops) because I understood the concept the most and was actually pretty good at it! I liked learning about writing methods and objects because those were things with visible functions that we could manipulate and make our own Video game programming because of the familiar subject and visible results! I enjoyed learning about the different types of loops because they when applied correctly, they significantly reduced unnecessary lines of codes and cumulatively simplified the programs. Networking, I thought the concepts and possible applications of it were pretty cool. For loop and while loop They are very useful.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

6. Which topic/lecture in this class do you think you will find the most useful in the future?

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Question Type: Short Answer

~

contributed by Tychonievich, Luther (lat7h)

Results for CS-1110-002, Tychonievich, Luther

Total	Individual Answers
79	*See below for Individual Results*

All of it, as I'm considering majoring in CS.

The section on classes and methods seems like it will be the most useful in the future.

not sure

Probably the lecture where we learned how to read files (especially csv files) because I do this a lot in stat programming

Building classes from "templates"

The lectures on classes and methods seemed to be the most useful because they will be used in a lot of other cs classes.

Even if I do not plan to do anything with CS after this course, I hope I will be able to apply some of the skills I have learned through this course in the real world. If anything, I believe it has enhanced my ability to think about problems logically, which I know will be useful in the future.

probably loops...because the algorithms used generally required strong logic

The algorithms.

I thought learning about classes and methods was very useful. Using different methods in a program made it a lot easier to make more complicated programs. They simplified the programming process.

Recursion

Recursion

ArrayLists.

I think that writing my own methods will prove to be the most useful

All of the fundamental steps to writing code.

Classes/objects

learning a programming language

The more general concepts like loops and if-statements because I used them in my engineering course.

the majority of it in general

arrays and arraylist. It will help me organize and make programs related to school.

How much data media actually requires and the complexity of how the simplest things work

Creating classes and methods

recursion

recursion

problem solving techniques

I will find basic coding most useful. Using java to read files and applying that knowledge to other problems. Especially breaking down a problem into smaller steps.

I definitely believe that learning how to write methods and classes will be most useful in the future.

the thought process of problem solving

Ironically, probably recursion if I ever get a handle on it.

I plan on continuing in CS, and networking seems like it will be important. A friend of mine said it wasn't covered last semester. I am glad I have gotten to work with it in this course.

The most useful topic will be loops. This is because I feel that they are the fundamental aspect to programming. They appear a lot, so they will probably be the most useful.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	The array part. All of it. Definitely the lectures on writing methods and classes. All of it was useful. I used my knowledge from this course to complete code for my project in engr 1620. I don't know that I'll ever have to use cs again. writing my own methods - The most useful was the general programming and use of loops for sure. The first ones because they are actually feasible under 20 hours. Networking is probably a useful topic for the future. I think methods and recursion will be the most useful in the future The lectures at the beginning of the course that gave me a broader knowledge of computers and programming in general. Loops were always useful algorithms and logical thinking Networking Networking Networking Networking Networking Methods The basic fundamentals of Java methods and classes Loops ,Methods, Classes, and Recursive methods. The logic behind programming is what i find will be most useful in the future. Programming is very logical and can be very linear or complex, but as long as you are able to follow it, it is a good way to think from a new perspective. Learning how ports, IP addresses, and servers work will be very useful. The recursion lectures Networking has already been useful for me, albeit to organize a server to play a game with my friend rather than anything productive, but I'm sure networking will be important for productive things, too. I won't use coding later. programming Loops, reading and writing files and recursion. All of them! The most useful topic covered was actually not one specific topic; the most beneficial thing about the class was that it provided a general introduction to the concepts involved in object-oriented programming, such as class and method development. The very first where CS was all explained Again, the basics. Networking (also my least favorite though) Perhaps I enjoyed the topic on networking and the internet best, and this may help me most in the future (as I'll likely be interning at an internet company this summer).

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	methods Pretty much everything that I was taught in this course will be useful because they are the fundamental basics of computer programming. I think mastering loops would prove to be most useful if I were to take further CS classes Networking. Knowing how to read code Fractals na General programming knowledge will probably come in handy. Also, generally being solve problems logically is an essential skill that is taught through the course. The one about how the internet works - I'm probably not going to do anything with CS vocationally recursion/loops I think the logical thinking that comes with writing a program will be the most useful, as I don't think I will be taking any more CS courses. problem solving
7. What lecture/topic(s) in this class "did not work" or were not seen as useful in the long run? ~ Question Type: Short Answer ~ *contributed by Tychonievich, Luther (lat7h)*	Results for CS-1110-002, Tychonievich, Luther Total: 77 Individual Answers: *See below for Individual Results*
	methods I did not think that hexadecimal and sd card reader were helpful. There was not actual information on it and I did not like the material. Algorithms There wasn't anything that didn't work. I thought everything was interesting and helpful. Partners, and the fact For me, it was the coding of Zombies and video games in general. Most of the last few lectures. All of the topics pertained to the fundamentals of programming thus, they will all be useful to some degree in the future. The zombie game and the negations game were extremely complicated for beginners in programming. I did not think any lecture was not useful The last chase assignment with the sd card and gathering images from it didn't seem to work because many, many students were unable to get it to work at all/ didn't know what to do. All of the lectures in some way or another would be useful in the long run, from the basics and coding to implications and discussions, everything seemed to tie together rather well. N/A - all topics seemed fairly useful none none I wish we had spent more time on recursion since the topic still confuses me. All pretty useful I didn't see any lectures/topics in this class that did not work. All topics were interesting.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	I thought everything learned in the course could be useful in the long run. I would not add or remove any specific topic in the course.
	recursion
	recursion
	Searches and sorts because we never learned how to code them.
	The chases during lecture
	The portion of the course at the very end which covered image files was not particularly useful. The time could have been better spent reviewing other concepts.
	Everything was pretty useful. I never felt as though I was wasting my time. My only complaint about the class were the partner HW because I had bad luck with partners..
	I wish we done more on ArrayLists instead of arrays
	I can't really say I was made to learn anything that won't be useful in some way. The instructors did an excellent job of explaining real world world relevance for each topic.
	N/A
	N/A
	I'm still not sure how networking fits into the grand scheme of things. While it is cool to see how the internet works, I feel that it just does not seem to fit.
	none
	Recursion was a pain and I still don't understand it.
	Drawing turtles
	Well I thought the recursion section was useful but so short that we didnt have enough time to grasp it or apply it in any assignments
	-
	NA
	I wouldn't say anything was not at all useful.
	Group projects and homework can become hard if you don't have a partner. Maybe assign partners next time.
	all topics were somewhat useful
	the material at the end of the course seemed too specific and kind of came out of no where
	A majority
	Zombie game was lengthy and repeated a lot of the same lessons..
	Zombies
	Zombies
	the mathematical concepts
	I did not feel this way about any of the material.
	drawing
	Everything was a could be useful in the future
	recursion seemed kind of pointless to learn since its hard and can be usually bypassed by using loops instead
	Fractals
	None
	None
	the chases
	They were all useful.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

Recursion was hard to grasp. Useful, but confusing

Only thing I can think of that's useless is switches. I don't see when I'll ever use them.

networking

None.

GUI's.

The stuff about jpeg photos was useless

I really didn't like the lectures where we didn't code. When Tychoniviech just lectured (like when we talked about networking) it was difficult to stay focused without an accompanying visual like a powerpoint.

I don't think recursion was fully covered.

Most topics seemed fairly useful

I had a hard timing grasping recursion.

switch and case statements: they were just confusing.

n/a

Any of the projects that were with 2+ people were less than helpful; I understand that in the real world, we will work with others but some of these people are not willing to work.

Most things were cumulative so there wasn't really anything that was not useful

Drawing with Turtle

Image manipulation

Recursion seemed trivial for those individuals who will not be pursuing CS major/minor.

I do not see the chases being useful in the long run because they are confusing and do not utilize a lot of the material we are being tested on

na

They all seemed fundamental to my understanding of the material

None!

I'm not sure algorithms was covered well in the class. Although they are obviously important in the field, they were not covered well in class.

Not sure

8. How would you rate the availability of TAs?

~

Question Type: Likert

~

contributed by Tychonievich, Luther (lat7h)

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Excellent (4)	Good (3)	Average (2)	Weak (1)	Very Poor (0)
101	3.23	0.66	35 (34.65%)	55 (54.46%)	10 (9.90%)	1 (0.99%)	0 (0.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Excellent (4)	Good (3)	Average (2)	Weak (1)	Very Poor (0)
101	3.23	0.66	35 (34.65%)	55 (54.46%)	10 (9.90%)	1 (0.99%)	0 (0.00%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

9. How would you rate the helpfulness of the TAs?

~

Question Type: Likert

~

contributed by Tychonievich, Luther (lat7h)

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Excellent (4)	Good (3)	Average (2)	Weak (1)	Very Poor (0)
101	3.24	0.69	37 (36.63%)	53 (52.48%)	9 (8.91%)	2 (1.98%)	0 (0.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Excellent (4)	Good (3)	Average (2)	Weak (1)	Very Poor (0)
101	3.24	0.69	37 (36.63%)	53 (52.48%)	9 (8.91%)	2 (1.98%)	0 (0.00%)

10. How often did you make use of the TA office hours?

~

Question Type: Multiple Choice

~

contributed by Tychonievich, Luther (lat7h)

Results for CS-1110-002, Tychonievich, Luther

Total	Every week (NA)	Every other week (NA)	Once per assignment (NA)	Rarely (NA)	Never (NA)
101	22 (21.78%)	11 (10.89%)	23 (22.77%)	23 (22.77%)	22 (21.78%)

Results for SEAS, 1000-level courses

Total	Every week (NA)	Every other week (NA)	Once per assignment (NA)	Rarely (NA)	Never (NA)
101	22 (21.78%)	11 (10.89%)	23 (22.77%)	23 (22.77%)	22 (21.78%)

11. Any specific comments about the TAs you would like to share?

~

Question Type: Short Answer

~

contributed by Tychonievich, Luther (lat7h)

Results for CS-1110-002, Tychonievich, Luther

Total	Individual Answers
52	*See below for Individual Results*

They were overall very knowledgeable and helpful

Very helpful

Not really.

The TAs were helpful and attentive

Nick, Kevin, Jim, Monica, and Jackie were all really helpful. I wish there were more of them, the lines were always really long

Nope

thanks :)

They work hard to help those in need, and while there can be times in lab where a lot of people are in need of assistance the TAs try their best to help everybody.

Could not have done well in this class without the TAs.

The TAs were very helpful and they did a great job teaching and dealing with students.

Since they had all been intro programming students at one point in time, they were able to help the common problems that came up during lab.

Matt and Casey were great in lab. Matt was also especially helpful at Office Hours as his explanations were clear enough for me to understand the error well and go about fixing it myself.

They're really helpful and friendly.

Excellent at explaining concepts and overseeing codes for errors.

TAs are easy to approach and helpful.

Helpful during labs

The availability of TAs during office hours were sometimes very limited during the busiest times. Other than that, I have no further complaints, the TAs were good.

awesome!

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	Sometimes the TAs were not very helpful because they did had to rush through the others names in the queue. this made it very hard for me to get individual questions answered.
	Kevin is awesome.
	Thank you all, especially Monika Khot and Nick Lytle!
	very bubbly
	No.
	They knew their stuff fairly well, I wish I would have made greater use of them in office hours.
	The Stephs killed it.
	Sam and Jim did a very good job of answering questions and reinforcing instruction during my lab section (Sam particularly).
	All of the TA's were great, but sometimes I wish they would give you a little more help than just saying "look at your logic again".
	For the most part they were helpful, but I also had some bad experiences.
	Some TAs were very helpful when you had problems. They would sit down with you and try to walk you through the problems. Others seemed reluctant to give you any help. Sometimes I would be in office hours for a stretch of 3 hours and the TA would never sit down and help me.
	Jim was tight
	None
	They very consistently provided useful information whenever I asked
	They did a great job
	Largely very helpful, but they weren't always there when I came within 20-30 minutes of the beginning/end of office hours.
	Some TAs were much more helpful than others. Some could not figure out our problems and we therefore just wasted 45 minutes waiting for them. Most were very helpful though.
	Kevin is AWESOME!!!
	I thought that there was a good availability of TAs and that the TAs were very knowledgeable and willing to help.
	they were very nice
	None.
	Nick was very helpful.
	My experience with the TAs was uniformly positive. I found each of them to be approachable and willing to help, any time I asked for assistance.
	They are the only reason I am still doing well in this class. Use them as your best resource ever!
	No
	n/a
	Two people can't handle 40+ people's questions
	Some of the TAs were extremely condescending when trying to talk to them; made it less than desirable to go to OH.
	Andy is awesome
	Jim and Stefanie are both extremely helpful in walking students through concepts of coding and identifying errors. Whenever I had issues, I would go to their office hours because I knew that they would help me understand why things weren't working and not just what wasn't working.
	na
	I guess they weren't obligated to, but once their office hours ended they did not bother looking at your code.
	Jim and Sam are the bomb

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	Andy and Martin were great!

12. The course addressed technically rigorous subject matter consistent with the course objectives.

~

Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
100	4.34	0.73	46 (46.00%)	44 (44.00%)	9 (9.00%)	0 (0.00%)	1 (1.00%)	0 (0.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2162	4.12	0.88	787 (36.40%)	984 (45.51%)	266 (12.30%)	75 (3.47%)	36 (1.67%)	14 (0.65%)

13. The instructor used methods other than/in addition to traditional lectures (for example, active learning, in-class problems, collaborative learning, in-class discussion) effectively in this course.

~

Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
102	4.20	1.03	50 (49.02%)	34 (33.33%)	10 (9.80%)	4 (3.92%)	4 (3.92%)	0 (0.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2599	3.97	1.10	912 (35.09%)	783 (30.13%)	367 (14.12%)	170 (6.54%)	94 (3.62%)	273 (10.50%)

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

~

Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
101	4.09	1.13	45 (44.55%)	39 (38.61%)	3 (2.97%)	9 (8.91%)	5 (4.95%)	0 (0.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2169	4.10	0.95	812 (37.44%)	968 (44.63%)	215 (9.91%)	112 (5.16%)	55 (2.54%)	7 (0.32%)

15. The homework assignments helped me learn the subject matter.

~

Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
100	4.37	0.84	55 (55.00%)	32 (32.00%)	8 (8.00%)	5 (5.00%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2161	3.99	1.03	747 (34.57%)	829 (38.36%)	314 (14.53%)	126 (5.83%)	70 (3.24%)	75 (3.47%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

16. The textbook increased my understanding of the material.

~

Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
101	3.64	1.03	20 (19.80%)	40 (39.60%)	24 (23.76%)	11 (10.89%)	3 (2.97%)	3 (2.97%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2160	3.47	1.13	332 (15.37%)	569 (26.34%)	469 (21.71%)	223 (10.32%)	109 (5.05%)	458 (21.20%)

17. The course material was well organized and developed.

~

Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
100	3.93	1.06	33 (33.00%)	42 (42.00%)	14 (14.00%)	7 (7.00%)	4 (4.00%)	0 (0.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2587	3.90	1.02	756 (29.22%)	1012 (39.12%)	420 (16.24%)	178 (6.88%)	77 (2.98%)	144 (5.57%)

18. The instructor was knowledgeable about the subject matter.

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Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
102	4.65	0.65	73 (71.57%)	24 (23.53%)	4 (3.92%)	0 (0.00%)	1 (0.98%)	0 (0.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2593	4.26	0.91	1170 (45.12%)	835 (32.20%)	276 (10.64%)	70 (2.70%)	46 (1.77%)	196 (7.56%)

19. The instructor was well prepared for class.

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Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
102	4.37	0.81	55 (53.92%)	33 (32.35%)	12 (11.76%)	1 (0.98%)	1 (0.98%)	0 (0.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2595	4.21	0.90	1028 (39.61%)	871 (33.56%)	277 (10.67%)	69 (2.66%)	43 (1.66%)	307 (11.83%)

20. I received adequate preparation from the prior courses in the curriculum to be successful in this course.

~

Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
100	3.58	1.24	15 (15.00%)	14 (14.00%)	13 (13.00%)	6 (6.00%)	4 (4.00%)	48 (48.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2155	3.72	1.08	352 (16.33%)	405 (18.79%)	345 (16.01%)	105 (4.87%)	51 (2.37%)	897 (41.62%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

21. The grading policy was fair.

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Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
101	3.85	1.00	29 (28.71%)	41 (40.59%)	20 (19.80%)	9 (8.91%)	2 (1.98%)	0 (0.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2594	3.80	1.13	772 (29.76%)	890 (34.31%)	410 (15.81%)	251 (9.68%)	117 (4.51%)	154 (5.94%)

22. The instructor responded adequately to in-class questions.

~

Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
100	4.31	0.81	48 (48.00%)	39 (39.00%)	10 (10.00%)	2 (2.00%)	1 (1.00%)	0 (0.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2589	4.16	0.94	976 (37.70%)	870 (33.60%)	279 (10.78%)	100 (3.86%)	46 (1.78%)	318 (12.28%)

23. The instructor effectively used technology in support of the learning goals for this course.

~

Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
101	4.41	0.75	55 (54.46%)	34 (33.66%)	10 (9.90%)	2 (1.98%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2587	4.08	1.00	944 (36.49%)	819 (31.66%)	339 (13.10%)	142 (5.49%)	48 (1.86%)	295 (11.40%)

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

~

Question Type: Multiple Choice

~

contributed by Office of the Provost

Results for CS-1110-002

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
101	1 (0.99%)	18 (17.82%)	42 (41.58%)	24 (23.76%)	16 (15.84%)

Results for SEAS, 1000-level courses

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
2164	208 (9.61%)	952 (43.99%)	685 (31.65%)	226 (10.44%)	93 (4.30%)

25. I learned a great deal in this course.

~

Question Type: Likert

~

contributed by Office of the Provost

Results for CS-1110-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
101	4.35	0.84	55 (54.46%)	29 (28.71%)	15 (14.85%)	1 (0.99%)	1 (0.99%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
2156	3.89	1.07	704 (32.65%)	842 (39.05%)	362 (16.79%)	156 (7.24%)	92 (4.27%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

26. Overall, this was a worthwhile course.

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Question Type: Likert

~

contributed by Office of the Provost

Results for CS-1110-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
102	4.18	0.92	43 (42.16%)	42 (41.18%)	11 (10.78%)	4 (3.92%)	2 (1.96%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
2160	3.88	1.15	784 (36.30%)	728 (33.70%)	359 (16.62%)	175 (8.10%)	114 (5.28%)

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

~

Question Type: Likert

~

contributed by Office of the Provost

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
100	4.28	0.84	47 (47.00%)	39 (39.00%)	10 (10.00%)	3 (3.00%)	1 (1.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
2575	4.03	0.96	906 (35.18%)	1082 (42.02%)	402 (15.61%)	120 (4.66%)	65 (2.52%)

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

~

Question Type: Likert

~

contributed by Office of the Provost

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
100	3.88	0.89	26 (26.00%)	43 (43.00%)	25 (25.00%)	5 (5.00%)	1 (1.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
2589	4.07	0.97	1008 (38.93%)	987 (38.12%)	424 (16.38%)	107 (4.13%)	63 (2.43%)

29. Overall, the instructor was an effective teacher.

~

Question Type: Likert

~

contributed by Office of the Provost

Results for CS-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
100	4.00	1.12	41 (41.00%)	35 (35.00%)	11 (11.00%)	9 (9.00%)	4 (4.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
2592	3.90	1.08	919 (35.46%)	877 (33.83%)	510 (19.68%)	187 (7.21%)	99 (3.82%)

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

~

Question Type: Short Answer

~

contributed by Office of the Provost

Results for CS-1110-002

Total	Individual Answers
45	*See below for Individual Results*

Luther is very nice and excited to be teaching. He definitely brings a positive atmosphere. But he breezed through the lectures and went so fast that it was hard to keep up with the coding on eclipse. it would have been much more helpful if he slowed down a little bit and didn't leave some students behind. Also, this course should be 4 credits. There are 3 50 minute periods and then a 75 minute lab... any other course int his setup is 4 credits.

Wished Luther had used power points. This would have made his lectures easier to follow.

One thing that I think is weird about this course is that it is only 3 credits. We have 3 lectures a week plus an hour and 15 minute lab session. Wouldn't it make sense then for the class to be four credits?

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	hard class. The homeworks were far more difficult than the tests for no good reason.
	Tychonievich is knowledgeable but is not good at explaining the material to beginners because he is a new teacher. I personally struggled with a lot of the material and he was going so fast in class that I just had a bunch of notes in java that made no sense
	I really loved this course. To be honest, I prefer Sheriff as a lecturer because he spent more time preparing the class for the tests and homework and does a great job of explaining the material. It is clear Tychonievich knows a lot but it wasn't conveyed as well as it could've been if he had spent less time arranging students at the front and more time showing coding.
	I felt that Zombies was a really difficult assignment because it was so easy for us to code ourselves into a hole that we couldn't get out of. It would have been nice to have some more exploration of the rectangle class in class.
	I liked professor Tychonievich a lot. His lectures were always very interesting, and the games he did in class really helped my understanding of the subject matter as well as pay attention. He also seemed like a great guy, and always went out of his way to answer questions and make sure everyone understood the concepts of the material we went over in class.
	This was a great skill-building course that gave me a great foundation for computer science! Please continue covering the more challenging topics in the future, as these proved to be extra helpful, though difficult!
	Having no computing experience coming into this course, I feel like the material was presented very well for a beginner's level and has vastly increased my knowledge about programming and computing in a useful and applicable way. Dr. Tychonievich presents the material outstandingly and is the best professor I had this semester.
	I did not learn enough in class to do the homeworks by myself with out the TAs.
	The class went over very broad spectrum pot topics in computer science. I became much more knowledgeable in diverse set of topics. Questions that i had for year have been answered. I got the basics down for the coding as well. It was a very useful class that will surely be beneficial in the future.
	I'm sure the department has heard this before, but considering the amount of time spent in class (including lab sessions) and the amount of time necessary to complete assignments, this should be a four-credit class. Either that or the course should be scaled back.
	The course was well constructed with clear goals. The amount of work necessary was not equal to a 3 credit course in my opinion. Considering the fact that there was a lab as well, CS1110 seems like more of a 4 credit style course than a three. Prof. Tyconievich was incredibly knowledgeable and helpful in class and added to lecture through the use of visual aids, namely drawings and diagrams.
	really helpful and interesting class
	In a computer programming class I think that exams should use computers. Not paper exams.
	This was probably my favorite course this semester.
	Only other comment I have is that the lectures moved VERY fast at times, and I felt like myself and others struggled to keep up with the coding, which made things difficult.
	Luther Tyhonievich was very knowledgeable and enthusiastic, but he went way too fast at times.
	CS 1110 was one my favorite courses this semester. I had never taken a formal programming class before and coming in i did not know what to expect, but the structure was ideal for a beginner and i learned more than i could have imagined.
	I am glad I chose to take CS 1110.
	Prof T was a great professor. His lectures were always engaging and he always was happy to answer questions/provide extra help.
	Bro T is the man.
	good class, learned a lot
	I really enjoyed the instructor's enthusiasm when presenting lectures.
	Professor Tychonievich rarely used examples to explain problems addressed by course material when compared to Professor Sherriff. In addition, the few examples that were used rarely were finished (an example would be started, a vague conversation would occur pertaining to the topic, and the example/the meat of the necessary coding was never finished). For this reason, lecture sections were not effective.
	Excellent course, I thoroughly enjoyed it!
	Luther you da man!

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	I felt as though the homework assignments were often too advanced for the skills that I had when completing them. I found myself spending hours on end in office hours asking many different questions. If this is how the course is intended to be, that's fine, but I was completely unaware of it going into the class. One of my favorite professors by and far. He is very knowledgeable and fully understands the lecture material. Very approachable and cares about how his students do in class. He tries to get the class to participate as much as possible, whether or not they choose to. He is great at giving off a friendly atmosphere as well as a good learning environment. I wish that I could have him for the next computer science course. Pros: I think this is a very worthwhile course, and gives students a functional knowledge of java programming that they will find useful in many fields. Cons: The auto-graded homework is a terrible idea (for the later homeworks in particular), especially since homework is worth so much of the grade. Homework is too time consuming. A useful course with kind of too difficult homework problems. Sometimes I felt like Professor Sheriff's class had more of an advantage when it came to different aspects of the class. I also feel like I learned more when I went to his class. I think professor tyconievich can improve by having more lecture geared to our homework. Sometime lecture did not help with the homework, which should not be the case. Thanks I felt that the professor could have spent more time introducing the topics before diving into examples. The example coding was very helpful, but I feel that I would have had a better understanding of some of the material if more time was taken to introduce the topics. I ended up relying more on the textbook to learn the concepts. He was a really clear teacher. I think sometimes using members of the class for demonstrations just wasted time and didn't make the demonstrations that much more effective. I liked the review sheets for the exams, though the homework was fair. I liked that we did partner evaluations. Both professors were very condescending in person. I went into this course having no experience in programming at all, and I came out of it with a slightly bad impression of it. I learned that programming is not something I feel that i am proficient in but I appreciate the knowledge and logic behind it. In terms of homework, I feel that sometimes there is a huge learning curve between what we learn in class and what we are asked to do on our homework. I feel like there is a dichotomy in this class where you have students who already have experience with programming and it is a breeze for them, and then you have students who are just learning and it is a complete struggle to get through some of the homework. Tychonievich is the man. I went to probably half of his lectures and half of Sherriff's and I found Tychonievich's lectures to be more entertaining. Go Hoos Professor Tychonievich is somewhat of a fast lecturer, it is sometimes hard to follow the code he has up in his lectures. This was by far the best course I took this semester. The homework didn't really feel like assignments (they were fun in addition to being helpful), and I enjoyed every second of lecture. BEST. CLASS. EVER. That is all. At first had heard that Prof. Sherriff was a great teacher and was a little bummed when I didn't get him, but Prof. Tychonievich was GREAT. Amazing teacher, very enthusiastic and helped me learn so much in CS Professor Tychonievich was a very organized and technologically savvy professor but did not always explain the concepts clearly - I had to rely a lot of the textbook to gain a better understanding of the material, as well as my friends from Professor Sheriff's section.