CS 1110-001 **Introduction to Programming** - Fall 2017

ENGR (17652)

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

Respondents: 103 / Enrollment: 240

Summary: CS 1110-001 Introduction to Programming - Fall 2017 (17652)

Overall Course Rating

CS-1110-001 Mean 4.10
CS-1110-001 Std Dev 0.99
CS-1110-001 Response Count 512

SEAS, 1000-level courses Mean 3.70
SEAS, 1000-level courses Std Dev 1.18
SEAS, 1000-level courses Response Count 11056

Overall Instructor Rating

INSTRUCTOR: Tychonievich, Luther
Mean 4.60
Std Dev 0.61
Response Count 712

SEAS, 1000-level courses Mean 4.07
SEAS, 1000-level courses Std Dev 1.04
SEAS, 1000-level courses Response Count 22715

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

1. I found the in-lab code explanations were useful in motivating me to understand the course topics better.

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

Results for CS-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
103	3.69	1.10	28 (27.18%)	35 (33.98%)	23 (22.33%)	14 (13.59%)	3 (2.91%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
150	3.84	1.10	49 (32.67%)	54 (36.00%)	26 (17.33%)	16 (10.67%)	5 (3.33%)

2. How would you rate the availability of TAs?

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

Results for CS-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Excellent (4)	Good (3)	Average (2)	Weak (1)	Very Poor (0)
103	3.16	0.83	41 (39.81%)	40 (38.83%)	19 (18.45%)	3 (2.91%)	0 (0.00%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Excellent (4)	Good (3)	Average (2)	Weak (1)	Very Poor (0)
150	3.22	0.79	64 (42.67%)	58 (38.67%)	25 (16.67%)	3 (2.00%)	0 (0.00%)

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

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

Results for CS-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Excellent (4)	Good (3)	Average (2)	Weak (1)	Very Poor (0)
103	3.02	0.91	34 (33.01%)	44 (42.72%)	20 (19.42%)	3 (2.91%)	2 (1.94%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Excellent (4)	Good (3)	Average (2)	Weak (1)	Very Poor (0)
149	3.12	0.89	59 (39.60%)	57 (38.26%)	27 (18.12%)	4 (2.68%)	2 (1.34%)

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

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

Results for CS-1110-001, Tychonievich, Luther

Total	Individual Answers
61	*See below for Individual Results*

Helpful, professional

TAs are nice and helpful

Stephen Read offered timely information, Megan Do is a solid, helpful, resourceful TA, as well as a few others I can't seem to name, but every time I requested help, they were there ready to assist!

no

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	no
	TAs in lab were very approachable and all TAs who worked with me during office hours were very helpful and successful at explaining what I needed to do to complete a part of the assignment and helped me get there.
	N/a
	The TAs were generally nice and tried their best to help us without just giving us the answers.Sometimes it was obvious though that they hadn't read the assignment so they couldn't give clarification on what the assignment was asking, they just could help with conceptual and syntactical things which was fine since the labs weren't graded, they were just for practice.
	All the ones I worked with answered questions well.
	TAs were often too focused on trying to explain how to code, that it was not helpful at all in learning how to code. Would have been better if they didn't try so hard not to "give away the answers."
	Sometimes during office hours they were unable to answer questions
	none
	none
	They were great in answering any questions big or small. They all clearly knew their stuff!
	Not very helpful during lab.
	There is a wide variety of TAs, some were very knowledgable and helpful in programming assignments. However there were some that were not helpful at all and did not know the required information to effectively help.
	It would be great if the TAs learned how to teach clearly and in an organized way. Sometimes it's difficult to understand the content the way they explain it.
	N/A
	N/A
	N/A
	Some were not prepared, as they admitted they hadn't used python in a while.
	Marco and Stephen are great!
	Most of them were only available during lab if you approached them; should be more proactive about helping students.
	Multiple times I spent 45 minutes or over an hour waiting in line to see a TA. A student shouldnt be penalized for going to office hours. Since I had gone so much it made it extremely difficult to ever see a TA when I went because id be sent to the back of the queue. The class would benefit from students asking questions in one area because I noticed many other people waiting in the queue had the same questions.
	The TAs in my lab did an amazing job. The TA that was also my grader did an absolutely incredible job this semester. His name is Sean Gatewood.
	Rather than helping, would only rephrase the question I asked them and ask me.
	NA
	Sean is a legend and I went to him the most for all of my questions.
	TAs were approachable and helpful
	TAs are funny sometimes.
	Aside from being omnipotent, not much to improve on.
	They are very nice!! love them all
	The TAs were helpful when I needed to find help, but Lab should not be required.
	I realize there are a lot of students in the class but it took so much time to access the TA's at office hours sometimes.
	TAs are really awesome!
	nah

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	NO They are fine, just a little bit disorganized sometimes. The TAs all seemed pretty eager to help the other students out and have definitely helped me on an innumerable occasion throughout the semester. The only drawback is that since there are many CS students who go to office hours or are in the same lab section, there was always a (sometimes lengthy) wait to get in contact with a TA . Sometimes they would not explain concepts very clearly. Would answer questions when asked. The TA's were always helpful in answering my questions and often helped me figure out the answer myself by giving me a few helpful hints. They are doing their best but they can only do so much. sometimes they find it difficult to help us with assignments, since they can't outright give us the answer, but need to help us understand the necessary concepts None None Some definitely knew more than others, but overall excellent help from them during office hours! They are nice and helpful when approached. No No Overall the TAs performance was positive n/a Of all the TAs I experienced working with, they all were very motivated and helpful in helping me understand the code. Generally pretty knowledgeable of the material and helpful when I was struggling with the logic of my programs. Most of the TAs I interacted with (90%) were very helpful. They were able to accurately answer my questions, and allow me to learn better. However, one TA I interacted with seemed presumptuous when I asked questions, and made me scared/nervous to ask questions. they are all really warm hearted Very kind but at times CS1110 was too long ago and some ideas they had to refresh. Great TAs man, really like them The TAs were generally very helpful and approachable. The TA's in lab were very helpful. Jason Hu and Layne Berry and Connor (M?) are the best, most helpful TA's and really make sure you understand what you're doing/what they are helping you with!
5. Which topic/lecture in this class do you think you will find the most useful in the future? ~ Question Type: Short Answer ~ *contributed by Tychonievich, Luther (lat7h)*	Results for CS-1110-001, Tychonievich, Luther Total: 78 Individual Answers: *See below for Individual Results*
	Regular Expressions, for/while loops I guess we'll find that out in the future! Computer science really isn't my forte so I'm not sure. I think that regular expressions could be very helpful in future work. Game making

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	I like the re.compile one for big data
	N/a
	thinking unambiguously.
	Probably flappybird or salary, those codes definitely have real-life applications
	This was my first coding class ever so all of the information covered was new to me. I think that the concept of using loops will definitely prove useful in the future to help improve the efficiency of completing computing tasks.
	The improvement in my application of logic to problem solving whether it be CS or other applications.
	pygame and writing the file
	I think I will find regular expressions the most useful in the future.
	for loops seem to be the most versatile and widely used for me so far, so I believe that they will be extremely useful as I continue with my studies in Computer Science.
	Gamebox reading the website and extract materials try/except
	decoding information from urls
	python
	I think the class overall will help a little even though I do not plan on majoring in CS.
	All of it was useful, I will use Python again.
	As a student the CSV and regular expressions seemed like they would be useful to me if I were to go further in CS. However the game project forced me to work longer term on something and create something from start to finish (rather than the homeworks/labs which just had me create a snippet of code). I think even though I know I'm not going to design games later on this really helped me take ownership of my code, be creative with it, and it forced me to look up more information on my own in order to add things to my game. I felt very proud and accomplished when I finished it and I feel like now if I wanted to I could create another game on my own and I can create other programs on my own because I know all the basics and all the other information is out there online.
	Regular expression and csv files.
	none
	All topics were very relevant if I pursued a career in computer science.
	The lab on reading emails will probably be the most useful assignment in the future. I feel like it is more applicable to other fields other than specifically computer science.
	searching through websites, especially with regular expressions
	Writing functions and using for loops, lists, and strings to write small programs.
	Regular Expressions, Manipulations of strings and lists.
	exam preps
	regex
	regex
	regular expressions opening files and sites
	opening and writing files in python, turtle was a good intro topic especially for pygame and just learning basics of code
	I use a lot of spreadsheets in my research and I hope to use loops to make repetitive tasks such as data extraction easier to complete.
	Regular expression
	time will tell, but the lecture about net neutrality and other stuff was super interesting
	The fundamental language breakdown (ie learning the methods python has)
	Just the basic knowledge of a programming language
	How to understand ambiguity and use it in coding.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	Learn how to use string, list
	Parsing Data and regular expressions.
	I liked the programming assignments and receiving help from the TAs.
	Those lectures that involved reading from websites
	The basics of coding will definitely be relevant in my future because I am a computer science major.
	for loops and parsing data
	Regular Expression and String Methods?
	Regular expressions lab or internet saftey
	/na
	Accessing websites and looking for information. Regular Expressions
	Going over specific things we learned in lecture and showing us examples.
	I have no idea.... don't really know what my future looks like.
	loops!
	Regular Expressions
	Basic syntax covered on the first two exams as it provides a basis for future languages.
	The whole class, learning Python, using pycharm, etc.
	Lectures focused on loops and logic statements were of the most long term importance
	the regular expression
	writing loops
	Making functions to do the things that you want
	The regular expressions section.
	I think I will find regex to be especially useful. It seems like we barely brushed the surface, and though frustrating it was very interesting
	Discussion of how computers require specific, step-by-step instructions to carry out.
	regex, the concept of coding
	debugging
	none, im not coding in the future
	lists
	Regular expressions
	Regular expressions
	I think that all of the different ways of thinking will be useful. Some specific topics including editing files and searching webpages can be useful in everyday life.
	regexes...also just generally understanding lists and opening files
	Overall this class really introduced me to what it means to think in code and the processes that come with that.
	Lectures on url.read that can apply to coding in the workforce more practically.
	Real stuff, like the salary assignment or the email hunt, things that deal with real websites and people truly use. A lot of fun knowledge are practical as well, like the credit card number one.
	I think that the topic if writing functions in general will help me the most in the future.
	opening the urls
	Writing functions

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	For loops and if/else statements parsing through data on a website/CSV Regex
6. 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-1110-001, Tychonievich, Luther Total: 77 Individual Answers: *See below for Individual Results*
	turtle art The last few lectures and turtle (although I understand why we did this) Logic questions in the beginning of class were utterly useless as no one ever did them. I didn't understand the last 6 lectures about regular expressions at all. In one lab, all the string methods (more than we needed to know) were documented on a page and given to us - this was a little confusing to work with, and may have been easier to understand and remember if taught in class before N/a N/a I personally don't feel like the pygame stuff would be that useful in the long run. I mean it is good to know how game works, but there is not much new stuff to learn in the pygame material, mainly applications of things that I already know combined with some information about pygame. So I don't think it is worth it to spend so much time on it. I thought that the differentiation between local and global variables to be confusing when we went over it in class. Some of the labs were too difficult in my opinion. I was not able to finish most of them. Personally gamebox and the large focus on creating games at the end of the semester is not going to be useful for my future and detracted from my focus in that class as I knew I would not be using it. Not sure if i am going to need regular expressions n.a. Turtle art Some of the labs were just a little bit too challenging for me. I usually like a challenge, but sometimes everyone in the class would just stare at their screen for a full hour and fifteen minutes. the logic problems I thought the usage of pythontutor was gratuitous after the first exam. It took class time that could have been used to move onto new topics. none none Again, hard for me to tell as I do not know much about how I'll need to use computer science in the future. turtle, because paint is easy to use regular expressions regular expressions regular expressions Tuples? re Nothing

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	Regexs
	N/A
	N/A
	N/A
	while loops
	nothing really
	pygame
	pygame
	/na
	I feel like the debugging lab was least helpful since the code I was debugging was written by someone else. I feel like I strengthen my debugging skills more when I debug my own code.
	gamebox/pygame
	I was confused about encryption.
	NA
	Don't know that logic groups were very beneficial. That first 15 minutes of lab could have been devoted to reviewing topics covered in lecture that were tough to grasp.
	Cryptography lab was not well explained.
	the part about reading files was the hardest to understand
	I think most of the topics were pretty useful in creating a fundamental understanding of how to write programs. One lecture that I didn't find all that useful was on debugging procedures because I had already had to implement similar strategies to debug my programming assignments before that lecture. However, I still think this is an important topic and it would have been more useful if taught earlier in the semester.
	turtle
	Pygame does not seem useful to me.
	Regular Expressions
	Most of them seemed like too basic and that they were meant for little kids. Especially pygame.
	Learning about hard drives
	Gamebox unless you're trying to get into game programming, but still fun.
	None
	None
	None
	None
	Pygame and Gamebox were not relevant and were packed in at an already difficult part in the course.
	debugging
	Regular expressions
	All topics could be incorporated into future homework/projects.
	Maybe the turtle.
	none in my experience
	Turtle didn't seem very useful as its only relevant to Python and not used in the real world.
	None.
	Pygame.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

error

I did not see the logic exercises as helpful in the long run, and they took up too much lab time that could've been used to review the day's topics!

Pygame. While it was certainly fun to think of and create our own game, the whole pygame system was endlessly frustrating with my mac, sometimes working sometimes not, producing errors even TAs couldn't always explain. And I'm not sure ill ever be creating a game with my CS skills in the future

Since this is an introductory course, I did not think that any of the information that was covered was unnecessary.

They are all very useful

the lab assignment about encryption didn't seem to flow very well

The turtle lectures where we "ran through" everything that we would be learning this semester at the beginning of the semester. I completely forgot about everything in that lecture by the time we actually visited most of those topics.

The logic problems at the beginning of class were interesting but I don't think they were helpful for the class

The lecture on turtles / drawing things.

Game design doesn't seem very useful in the long run with Python.

nothing

The lab where we made art using "Turtle"

I didn't understand why we had to keep doing the logic puzzle group work - they were fun at first but then became more of a hassle as the semester went on.

gamebox

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

~

Question Type: Likert

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contributed by Tychonievich, Luther (lat7h)

Results for CS-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
103	3.83	1.13	33 (32.04%)	40 (38.83%)	13 (12.62%)	13 (12.62%)	4 (3.88%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
149	3.76	1.18	48 (32.21%)	50 (33.56%)	26 (17.45%)	17 (11.41%)	8 (5.37%)

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

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Question Type: Likert

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contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
102	4.31	0.66	40 (39.22%)	56 (54.90%)	5 (4.90%)	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)
2207	4.01	0.96	710 (32.17%)	1045 (47.35%)	271 (12.28%)	106 (4.80%)	67 (3.04%)	8 (0.36%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

9. 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.

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Question Type: Likert

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contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
103	4.27	0.76	44 (42.72%)	46 (44.66%)	10 (9.71%)	3 (2.91%)	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)
3250	3.94	1.10	1030 (31.69%)	1163 (35.78%)	372 (11.45%)	210 (6.46%)	142 (4.37%)	333 (10.25%)

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

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Question Type: Likert

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contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
103	4.26	0.97	52 (50.49%)	37 (35.92%)	5 (4.85%)	7 (6.80%)	2 (1.94%)	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)
2214	3.76	1.28	711 (32.11%)	913 (41.24%)	174 (7.86%)	164 (7.41%)	246 (11.11%)	6 (0.27%)

11. 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-1110-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
103	4.44	0.79	57 (55.34%)	36 (34.95%)	4 (3.88%)	3 (2.91%)	1 (0.97%)	2 (1.94%)

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)
2214	3.73	1.16	603 (27.24%)	867 (39.16%)	321 (14.50%)	232 (10.48%)	134 (6.05%)	57 (2.57%)

12. The textbook increased my understanding of the material.

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Question Type: Likert

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contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
103	3.49	1.10	19 (18.45%)	25 (24.27%)	37 (35.92%)	4 (3.88%)	7 (6.80%)	11 (10.68%)

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)
2211	3.25	1.17	205 (9.27%)	433 (19.58%)	416 (18.82%)	215 (9.72%)	138 (6.24%)	804 (36.36%)

13. The course material was well organized and developed.

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Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
102	4.53	0.61	59 (57.84%)	39 (38.24%)	3 (2.94%)	1 (0.98%)	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)
3249	3.78	1.19	940 (28.93%)	1174 (36.13%)	411 (12.65%)	264 (8.13%)	220 (6.77%)	240 (7.39%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

14. 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-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
102	4.82	0.38	84 (82.35%)	18 (17.65%)	0 (0.00%)	0 (0.00%)	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)
3249	4.30	0.92	1553 (47.80%)	1013 (31.18%)	255 (7.85%)	102 (3.14%)	63 (1.94%)	263 (8.09%)

15. 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-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
102	4.83	0.38	84 (82.35%)	17 (16.67%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (0.98%)

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)
3240	4.16	1.06	1392 (42.96%)	1005 (31.02%)	259 (7.99%)	140 (4.32%)	128 (3.95%)	316 (9.75%)

16. 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-1110-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
101	3.83	1.13	16 (15.84%)	21 (20.79%)	8 (7.92%)	4 (3.96%)	3 (2.97%)	49 (48.51%)

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)
2210	3.48	1.20	274 (12.40%)	438 (19.82%)	297 (13.44%)	151 (6.83%)	111 (5.02%)	939 (42.49%)

17. The grading policy was fair.

~

Question Type: Likert

~

contributed by Dean of the School of Engineering and Applied Science

Results for CS-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
102	4.39	0.69	51 (50.00%)	41 (40.20%)	9 (8.82%)	1 (0.98%)	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)
3248	4.03	1.00	1036 (31.90%)	1164 (35.84%)	357 (10.99%)	154 (4.74%)	91 (2.80%)	446 (13.73%)

18. 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-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
101	4.56	0.66	61 (60.40%)	33 (32.67%)	3 (2.97%)	0 (0.00%)	1 (0.99%)	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)
3243	4.24	0.92	1309 (40.36%)	1118 (34.47%)	232 (7.15%)	97 (2.99%)	70 (2.16%)	417 (12.86%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

19. 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-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
100	4.77	0.42	77 (77.00%)	23 (23.00%)	0 (0.00%)	0 (0.00%)	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)
3236	4.02	0.99	1068 (33.00%)	1200 (37.08%)	435 (13.44%)	169 (5.22%)	76 (2.35%)	288 (8.90%)

20. 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-1110-001

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
101	2 (1.98%)	24 (23.76%)	51 (50.50%)	21 (20.79%)	3 (2.97%)

Results for SEAS, 1000-level courses

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
2210	219 (9.91%)	932 (42.17%)	739 (33.44%)	247 (11.18%)	73 (3.30%)

21. I learned a great deal in this course.

~

Question Type: Likert

~

contributed by Office of the Provost

Results for CS-1110-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
101	4.46	0.89	64 (63.37%)	26 (25.74%)	6 (5.94%)	3 (2.97%)	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)
2202	3.79	1.13	649 (29.47%)	886 (40.24%)	341 (15.49%)	204 (9.26%)	122 (5.54%)

22. Overall, this was a worthwhile course.

~

Question Type: Likert

~

contributed by Office of the Provost

Results for CS-1110-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
102	4.36	0.93	57 (55.88%)	35 (34.31%)	2 (1.96%)	6 (5.88%)	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)
2205	3.65	1.29	679 (30.79%)	744 (33.74%)	325 (14.74%)	239 (10.84%)	218 (9.89%)

23. 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-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
102	4.51	0.66	60 (58.82%)	35 (34.31%)	6 (5.88%)	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)
3237	4.00	0.99	1086 (33.55%)	1433 (44.27%)	470 (14.52%)	125 (3.86%)	123 (3.80%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

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

~

Question Type: Likert

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contributed by Office of the Provost

Results for CS-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
102	4.11	0.96	46 (45.10%)	28 (27.45%)	21 (20.59%)	7 (6.86%)	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)
3236	4.07	0.95	1236 (38.20%)	1279 (39.52%)	517 (15.98%)	126 (3.89%)	78 (2.41%)

25. Overall, the instructor was an effective teacher.

~

Question Type: Likert

~

contributed by Office of the Provost

Results for CS-1110-001, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
102	4.54	0.62	61 (59.80%)	36 (35.29%)	4 (3.92%)	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)
3247	3.91	1.11	1173 (36.13%)	1168 (35.97%)	536 (16.51%)	196 (6.04%)	174 (5.36%)

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

~

Question Type: Short Answer

~

contributed by Office of the Provost

Results for CS-1110-001

Total	Individual Answers
56	*See below for Individual Results*

In summary, Professor Tychonievich is a great instructor and is really helpful. His lectures are very helpful, and his tests are very fair. Something to improve on is probably the labs. One way we could improve labs is by engaging the TA's in the labs more.

Professor Tychonievich did a very good job of teaching his semester. You could tell he was very excited about the material!

Luther Tychonievich is the PERFECT professor to teach students who have had no exposure to coding before!

N/a

The 2 hour wait-time for feedback on homework made assignments unnecessarily difficult and time-consuming. Homework should include more simple examples to help teach the basic concepts first. Also, since this class is so time-consuming and has a lab it should be worth 4 credits!

The course was good and I learned a lot. Grade distribution was fair and you got as much out of the course as you put into it

fun class

As someone who came into the course with no prior programming experience, I found the course to be rather difficult at first but felt as though Professor Tychonievich was a very effective instructor. The labs and programming assignments helped me to implement and understand the material covered in class, especially the feedback given on the homework submission page.

It's my first time learning about computer programming. I was so afraid that I might fail the test. However, the instructor is very effective and his help outside the classroom make me perform well.

none

Tychonievich is super approachable and genuinely cares about his students, he does a great job of "dumbing" down material and helping everyone understand!

This class is one of the best classes I have ever taken and I think that is mostly because Tychonievich is a great teacher.

This class seemed to move very slowly at times. This seemed necessary for some of my peers, but I thought the material could have been taught at a much quicker pace. This is a difficult problem to solve and is likely indicative of a class this big. Overall it was a great class and professor Tychonievich is absolutely terrific.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	The TAs are super helpful but oftentimes the high demand from students made waits for help from a TA lengthy.
	10/10 recommend
	Tychonievich = da best
	The policy during test, is absurd. I don't understand why asking questions is not an idea. Purely for clarification purposes. During the tests, all the TA's and Professor Tyconovich do, is hand out the tests and start the timer. Then for the rest of the time. After that, they sit. For 45 minutes. Doing nothing. Being the opposite of helpful. During the first test, I had a legitamte question about the wording because it did not specify if it wanted the code written in a function, which would have been consistent with the material. At the time I got there, Proffesor Tyconovich was standing next to me, and I thought, it would do no harm if I asked him quickly while he was passing by. Immediately, he snatched the test out of my hand, flipped it to the front, and pointed to the bullet point addresses having questions. To me, that was just plain rude, disrespectful, and childish. It immediately made me dislike him as person. It makes not sense. But I know Professor will not listen a student complaining. Other suggestions I have is titling the python code from each class so that the name is suggestions what would be in the code. When it is just the date or lecture number, it is not helpful and complicated when going back and trying to find the right day to review. Also, the video lectures would be much more helpful if they were similar to penopodo(*spelling*) video lectures that are broken up with bookmarks rather than just having a 50 minute video. But that would require using a site/resource not created by the CS department. Overall, I think the it is a good class and Tyconovich is a great at what he does, just lacking in lots of areas that make him hard to approach and seem nice.
	great lecture!
	N/A
	This was my favorite course in my first semester here. Professor Tychonievich always finds the best ways to teach us the material and even makes being in lecture fun.
	Love this course
	I am a fourth year, and I was skeptical about how much I would learn from and intro level class, but I feel like I've learned a TON of information, and I also feel confident that I would be able to learn more on my own now that I have been introduced to programming. Luther is very energetic during class and I can tell that he really wants his students to understand the material. I loved that he recorded the lectures, it allowed me more flexibility for when I wanted to watch them and also I could pause, rewind and play certain parts over again until I really understood what was going on. Thank you for a great class!!
	Great Class
	I was never sure how I was being graded in during our lab. This needs to be more clear. Explain participation, to what extent all labs should be completed
	I found this course very unfair for a first-time python user. This course is titled "Introduction to Programming", yet really was aimed at students who had prior coding knowledge already. The assignments were unnecessarily rigorous, and many required prior knowledge, whereas I had never taken any programming before and really struggled throughout this course. I found this course to be extremely unfair towards the students who came into it expecting to learn the basics of python, yet were overloaded with intense, high-leveled coding on the first level course. Please focus more on regular expressions in the future. I understood most of everything up to that point but got completely lost during the last 6 or 7 lectures. It is really hard and leaves many students completely confused.
	NA
	Professor Tchonievich found the perfect balance between entertainment and teaching in his lectures. Although all his lectures were posted online, I still found myself coming to his lectures even though I didn't need to. I had a little prior programming experience before taking this class, but I could never learn programming past the basics, no matter how hard I tried. Now I can actually program something meaningful. He did an amazing job teaching programming.
	Course was too easy at the beginning and too hard at the end.
	The homework got really hard at the end, they were impossible to me without a classmates or office hours' help.
	Very worthwhile course however the style of teaching at times can get very tiring and I found many in the classroom around me taking naps because the style of watch-and-learn is hard to learn all you can from. There is not much you can do about it since it is computer science.
	In my opinion, we spent too long learning turtle and could have moved on sooner.
	More time than 3 credit hours especially with lab
	The instructor's enthusiasm helped a lot. I can tell he's dedicated to teaching.
	Computer science is not my cup of tea.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	I would make more slides for class to teach the material. It makes taking notes much easier. Lab was not a good use of time, I did not learn anything, or get better understanding. I really enjoyed this class, however the large amount of time spent on gamebox seemed wasteful because I know that I am not going to move into game programming and even for the people doing that they are not going to be using methods created in gamebox. It just seems like there are other topics that would have been more beneficial. A little more advanced than I thought it should be based on the fact that it is required to take as part of the Cognitive Science major, and most everyone in that major does not continue on with more CS classes. Many of the lab assignments were extremely difficult. The professor was funny and good at explaining otherwise difficult ideas. Many of the homework assignments were excessively difficult and provided little practice for the exams. The amount of time required outside of class in both office hours and alone in order to complete assignments was often beyond reason. Can Luther teach all of the CS courses? Please? None I'm glad I took a programming course Some of the TAs were not helpful at all and did not know what was needed to be done to complete a program or help me with a program. I thought this course would have been better for me if I was motivated more to take this rather than being forced to. Make errors easier to identify if code has been submitted. "Passes 6 out of 12 tests" is not helpful if the tests are unknown I loved the class and had fun, it was a great experience to do work on subject matter that I had already done in high school but more rigorous. The most challenging part was having to learn the particulars of Python as compared to having used Java where I never really used regular expressions. It is a pretty good class. Nice TAs and professor Overall a great course that introduced me to computer science I am still not sure why this class is not four credits considering that I am in class for a longer period of time per week than STAT 2120 and that is four credits I feel like the CS Lab was not as useful as lecture itself, especially since the lab is not worth a credit hour and short. I feel like if it was a credit hour more students would try harder, and if it was longer, I would learn more. good course Tychonievich should have a personal drawing exhibition!!! Tychonievich is a great professor. I was impressed by his ability to teach the subject matter. Uploading the lectures helped a lot when it came to studying or looking for specific things he said earlier in class. Good course to test out if you want to go deeper into CS or not. Not that easy though.