CS 1110-002 **Introduction to Programming** - Fall 2014

ENGR (18486)

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

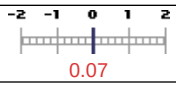
Respondents: 140 / Enrollment: 254

Summary: CS 1110-002 Introduction to Programming - Fall 2014 (18486)

Overall Course Rating

CS-1110-002 Mean 3.97
CS-1110-002 Std Dev 1.11
CS-1110-002 Response Count 693

Difference from Category Mean, Expressed in Category Standard Deviations

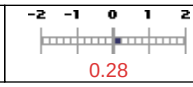


SEAS, 1000-level courses Mean 3.89
SEAS, 1000-level courses Std Dev 1.04
SEAS, 1000-level courses Response Count 9478

Overall Instructor Rating

INSTRUCTOR: Tychonievich, Luther
Mean 4.40
Std Dev 0.78
Response Count 976

Difference from Category Mean, Expressed in Category Standard Deviations



SEAS, 1000-level courses Mean 4.13
SEAS, 1000-level courses Std Dev 0.97
SEAS, 1000-level courses Response Count 14634

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

1. 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-1110-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
138	4.51	0.63	78 (56.52%)	54 (39.13%)	4 (2.90%)	2 (1.45%)	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)
1892	4.11	0.88	672 (35.52%)	894 (47.25%)	208 (10.99%)	76 (4.02%)	34 (1.80%)	8 (0.42%)

2. 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-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
140	4.23	0.84	59 (42.14%)	62 (44.29%)	13 (9.29%)	4 (2.86%)	2 (1.43%)	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)
2097	3.99	1.11	780 (37.20%)	649 (30.95%)	261 (12.45%)	143 (6.82%)	85 (4.05%)	179 (8.54%)

3. 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-1110-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
138	4.09	1.06	62 (44.93%)	45 (32.61%)	15 (10.87%)	13 (9.42%)	3 (2.17%)	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)
1899	4.03	0.98	642 (33.81%)	910 (47.92%)	164 (8.64%)	115 (6.06%)	62 (3.26%)	6 (0.32%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

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

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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-1110-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
139	4.29	0.91	72 (51.80%)	46 (33.09%)	13 (9.35%)	6 (4.32%)	2 (1.44%)	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)
1896	3.99	1.01	636 (33.54%)	758 (39.98%)	267 (14.08%)	108 (5.70%)	59 (3.11%)	68 (3.59%)

5. 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-1110-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
140	3.32	1.17	21 (15.00%)	44 (31.43%)	38 (27.14%)	19 (13.57%)	12 (8.57%)	6 (4.29%)

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)
1901	3.39	1.17	251 (13.20%)	423 (22.25%)	412 (21.67%)	164 (8.63%)	117 (6.15%)	534 (28.09%)

6. The course material was well organized and developed.

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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-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
140	4.19	0.92	59 (42.14%)	60 (42.86%)	12 (8.57%)	6 (4.29%)	3 (2.14%)	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)
2082	3.96	0.99	650 (31.22%)	879 (42.22%)	291 (13.98%)	134 (6.44%)	55 (2.64%)	73 (3.51%)

7. The instructor was knowledgeable about the subject matter.

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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-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
139	4.76	0.46	107 (76.98%)	30 (21.58%)	2 (1.44%)	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)
2095	4.40	0.79	1068 (50.98%)	670 (31.98%)	178 (8.50%)	32 (1.53%)	16 (0.76%)	131 (6.25%)

8. The instructor was well prepared for class.

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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-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
140	4.64	0.59	95 (67.86%)	41 (29.29%)	2 (1.43%)	2 (1.43%)	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)
2090	4.28	0.85	906 (43.35%)	694 (33.21%)	201 (9.62%)	59 (2.82%)	18 (0.86%)	212 (10.14%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

9. I received adequate preparation from the prior courses in the curriculum to be successful 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-1110-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
138	3.35	1.27	20 (14.49%)	15 (10.87%)	27 (19.57%)	11 (7.97%)	8 (5.80%)	57 (41.30%)

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)
1890	3.73	1.05	290 (15.34%)	372 (19.68%)	303 (16.03%)	75 (3.97%)	43 (2.28%)	807 (42.70%)

10. The grading policy was fair.

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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-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
139	4.11	0.86	47 (33.81%)	72 (51.80%)	8 (5.76%)	12 (8.63%)	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)
2095	3.93	1.05	651 (31.07%)	856 (40.86%)	259 (12.36%)	165 (7.88%)	70 (3.34%)	94 (4.49%)

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

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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-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
139	4.27	0.84	65 (46.76%)	52 (37.41%)	17 (12.23%)	4 (2.88%)	1 (0.72%)	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)
2086	4.16	0.95	797 (38.21%)	766 (36.72%)	192 (9.20%)	84 (4.03%)	46 (2.21%)	201 (9.64%)

12. The instructor effectively used technology in support of the learning goals for 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-1110-002, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
139	4.59	0.57	87 (62.59%)	47 (33.81%)	3 (2.16%)	1 (0.72%)	0 (0.00%)	1 (0.72%)

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)
2089	4.18	0.88	820 (39.25%)	773 (37.00%)	260 (12.45%)	65 (3.11%)	26 (1.24%)	145 (6.94%)

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

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Question Type: Multiple Choice

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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)
140	3 (2.14%)	29 (20.71%)	62 (44.29%)	36 (25.71%)	10 (7.14%)

Results for SEAS, 1000-level courses

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
1899	189 (9.95%)	963 (50.71%)	555 (29.23%)	148 (7.79%)	44 (2.32%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

14. I learned a great deal in this course.

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Question Type: Likert
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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)
137	4.42	0.74	75 (54.74%)	49 (35.77%)	9 (6.57%)	4 (2.92%)	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)
1890	3.90	1.04	588 (31.11%)	796 (42.12%)	306 (16.19%)	125 (6.61%)	75 (3.97%)

15. Overall, this was a worthwhile course.

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Question Type: Likert
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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)
139	4.27	1.03	75 (53.96%)	45 (32.37%)	5 (3.60%)	10 (7.19%)	4 (2.88%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1896	3.86	1.14	645 (34.02%)	713 (37.61%)	284 (14.98%)	143 (7.54%)	111 (5.85%)

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

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Question Type: Likert
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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)
140	4.37	0.68	65 (46.43%)	65 (46.43%)	7 (5.00%)	3 (2.14%)	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)
2089	4.11	0.87	736 (35.23%)	986 (47.20%)	257 (12.30%)	74 (3.54%)	36 (1.72%)

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

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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)
140	3.79	1.05	39 (27.86%)	52 (37.14%)	35 (25.00%)	8 (5.71%)	6 (4.29%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
2094	4.04	0.97	784 (37.44%)	797 (38.06%)	373 (17.81%)	89 (4.25%)	51 (2.44%)

18. Overall, the instructor was an effective teacher.

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Question Type: Likert
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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)
139	4.17	0.97	62 (44.60%)	51 (36.69%)	16 (11.51%)	7 (5.04%)	3 (2.16%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
2099	4.01	1.01	781 (37.21%)	796 (37.92%)	348 (16.58%)	110 (5.24%)	64 (3.05%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

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

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Question Type: Short Answer

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contributed by Office of the Provost

Results for CS-1110-002

Total	Individual Answers
63	*See below for Individual Results*

This course states that no programming experience once or ever is required to do well in the course, but I disagree. Most of the student enrolled in the course are students whom took computer science in high school or AP computer science and for this reason the course is tailored to meet the needs and challenge those students. I myself, having had no programming experience found myself having to play catch up from day one, so I believe that if no programming experience is required for the course then the course should be taught in more of a manner that assumes the student knows nothing at all.

Very time consuming

My primary issue with this class was its original explanation; I was under the impression that this class was geared towards both people with no experience in programming and people with little experience. It is definitely not geared towards people with no experience; I had no experience coming in and seriously struggled in this class. Prof. Tychonievich was a very entertaining lecturer, but I didn't learn a whole lot from him. Reading the textbook and doing the POTDs helped more than anything else. The POTDs were often very challenging, and getting help at office hours was incredibly challenging; it was always packed with very few TAs. Prof. Tychonievich is generally approachable, but I did not feel very comfortable asking him questions because he often came off condescending when asked more basic questions.

The tests were really hard and then the final was extremely easy. Also the homework assignments were REALLLY hard and time consuming and I feel like they only made me more confused about the course material and unmotivated me in the course because they were so frustrating.

N/a

Sometimes asking Tychionievich a question was daunting to do, mainly because he sometimes would give condescending answers that could be a little rude. He did not seem very approachable to me when I talked to him outside of class. Overall, he is very knowledgeable about the subject, but moves very fast in lecture and is sometimes hard to keep up with.

Great class, Tychonievich is a great teacher

I loved this course and Professor Tychonievich is a great teacher.

Awesome class

Tychonievich is really great at teaching and clearing up confusion. This was my favorite course this semester. It's incredible how I went from 0 to being comfortable with programming. This course made me want to keep taking CS courses and maybe pursue a CS degree.

Fun course, a bit easy, but useful nonetheless

Probably the best, most clearly taught course I took this semester.

In class, I felt like instead of explaining the concepts we jumped right into coding, which didn't help my understanding with the material. I tried to follow the coding in class, but quickly got lost after a couple lines . I didn't understand the professor's notes either. I wish during orientation the OLs didn't make it seem like such an easy class.

This course was a good course. Tychonievich is also a good poet.

Tychonievich is an awesome professor - very engaging and knowledgeable about the material. I thought the class was going to be very dry but he managed to make the material (semi) interesting. However, the homeworks and the labs were too difficult compared to the material covered in lecture. It was a giant leap of difficulty between the lectures and the labs, so something should be done to bring the two closer together.

The course seemed to be more advanced than an introductory course. I had some high school programming experience, which helped me a lot. Many of those without experience seemed to struggle. The course started out at a decent level but then homework assignments became pretty complex and very time-consuming. I understand that you need to work hard and dedicate a fair amount of time to classes, but some of the assignments were unnecessarily time-consuming and advanced. Dozens of people showed up to office hours and it was often the case that many would not get any help after waiting for 2+ hours. I enjoy programming and the professor was really knowledgable but it was a bit much for someone's introduction to programming.

Ways to improve: Should not be so rigid when it comes to problems with turning in HW and projects (for instance, when peoples browsers were crashing when trying to turn in project 2.) Rather, should find ways to get around this while keeping grading system balanced.

This course effectively taught the principles of coding in Java and gave (slightly lacking) insight into computer sciences.

Lecture did not follow a clear pattern or chronology, but still helpful. The homework's are also always unrelated to lecture material.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	Very useful for people of any majors, programming is a way of thinking as well as applicable to industry. This class helped teach me the fundamentals of programming. Although I do not plan on pursuing a CS degree or minor, I have the ability to learn a programming language in case I ever need to (and I will).
	Luther is an interesting guy, he's very enthusiastic in lecture which is a nice change of pace. The homework is tough if you're not a CS person, because the lecture only scratches the surface of the logic you need to come up with to solve some problems. Also the game project is tough because you never actually get taught any of the stuff you need for it if dont understand the labs on your own. The office hours are hit or miss, you could get a TA to help you for two hours or you could be so far down in the que that you never get to talk to anyone.
	Mostly well run, however, the 3rd to last and 2nd to last assignments had a massive increase in difficulty on the homework that required many students to work on a single program for a minimum of 6 hours (for those who did it rather quickly).
	The labs where we had to create games were difficult because we didn't really learn how to do that in lecture. I think the tests are to nit-picky and specific, and did not effectively display our general knowledge of CS and what we learned
	The TA's were great! There just weren't enough of them for how much out-of-classroom help that was needed. PLEASE consider doubling the amount of TA's you hire for this course. For example, I think labs would have actually been beneficial (they were not) if there was one TA for every four partner pairs.
	This course was overall beneficial and I think the skills learned will take me far in an engineering career. Interesting bits like the poem of the day made this class feel special and different. I felt like Tychonievich opened up to us as a person and not just a professor, which made the learning environment more casual and fulfilling. The technology related to this course like Piazza was very helpful in collaborating with peers and instructors when doing the homework assignments. Ta's were helpful, but I felt bad for them because they seemed really overwhelmed in office hours. Maybe there is a way of having more TA's or organizing peer groups to work together on homework assignments?
	Loved the lectures, and I appreciated the fact that you would post the audio from lectures to help with review later on.
	The course was good to take. It should be offered at 4 credits, if not to reward the hours in lab put in by the student, then to signal how much work it really will be. I was not prepared for this much work added to my schedule this semester. If I went in with my eyes open, I would have fared better. On Tychonievich â He was kind of difficult to talk to in OH. He is very knowledgeable, but it seems to get real help from him (if you're just 'not getting' something), you have to be pretty knowledgeable yourself in order to form a question he can answer. In this way, the TAs are much more relatable. I didn't get much out of lecture, resorting to the book and tutors to learn the material. It seemed like Tychonievich was always exclaiming or throwing his arms around or dragging boxes around the stage. The boxes, I realize, are supposed to be a central teaching tool for Java, but it didn't work for me, so then what?
	This was my most favorite class.
	Very fun and extremely informative course. Tychonievich was always prepared and willing to re-explain material as needed in several different ways. Great class, great professor, 10/10 would take again.
	Such a difficult class for someone who never did CS before, it was pretty fast paced. I strongly recommend you advise future engineers with no programming experience to go into 1112. However, I learned valuable skills from this class and I am very glad I took it
	The test regrading policy was harsh. Students lost points that he or she had already earned. This caused some students to have lower grades than what they received before when they submitted their exams for a regrade.
	While I still view CS as a challenge and would never consider majoring in it, I thoroughly enjoyed the class and thought it to be a worthwhile experience.
	This was a required course for me as an engineer but the material was so interesting and enjoyable that the class has caused me to reconsider what major I want to pursue.
	It's a lot of work in class, labs, homework, and projects for only 3 credits, but everything we did definitely helped us to learn the material. Also Tychonievich is an incredibly interesting instructor who is very good at finding ways to engage students in large classrooms and simplify complex concepts.
	This class was hard but great!
	Definitely gets heavy towards the later third of the semester, but I made it through with an overall pleasurable experience in my second intro programming class. Thanks for all the effort, especially by the TA's.
	Excellent lecturer, very knowledgeable. Only complaint is that some POTDs were very difficult, but I understand why.
	Longer homework assignments (later POTDs) should have more weight than earlier ones. I received a 5/10 on an earlier assignment because I didn't increment a counter in one of my four for-loops, but scored 10/10s on the much longer assignments.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	The homework assignments are far more difficult than necessary to teach the curriculum, and the lab assignments, which are graded on effort, are generally much easier, even though those involve easy access to help from teaching assistants and partners.
	I loved this course, and although I found it extremely challenging and the labs often frustrating, I would definitely say this was an amazing experience. Prof. Tychonievich brings so much energy and knowledge to the course, he is impressive yet approachable and extremely nice.
	Most of the TA's did a great job explaining code and assignments more clearly.
	Overall, I enjoyed Professor Tychonievich's lectures.
	This was a great course. It challenged me in many different ways. The homeworks were challenging, frustrating, but fun.
	I greatly enjoyed the course; in previous years, I had been introduced to basic and was frustrated in my attempts to learn it. This course offered the material in such a manner that I could grasp and internalize it with reasonable effort. Professor Tychonievich's presentation was energetic and engaging. I found the assignments to be challenging and fun, like solving open-ended puzzles.
	Not a particularly effective teacher, glossed over somewhat important material quickly and failed to break down material clearly when necessary.
	The only complaints I have are that grades don't round up and that the professors could sometimes be condescending when people did not understand the material. However, I overall liked the class and learned a lot.
	I had already taken a course in CS prior to taking this course and had a pretty rough start (on the POTDs after the basic ones like C2F and whatnot). Some of the PoTDs for Lou's List were just ridiculously long and tedious and frequently I would need to go to office hours just to figure out what I had to do and how to get myself started. After falling behind from that, I simply used the book to catch myself up and get back on track. Overall, great course even with a few bumps along the way.
	I did poorly in this course because I did not make it into 1112. I had zero prior experience. It moved to quickly for me. I knew plenty of people who had the mind for it but I just do not. There needs to be a place for people like me to go to get actual help in this course that moved extremely fast.
	good class, the updated CS website page was immensely helpful and I wish all my classes did something similar
	Tychonievich is somewhat overconfident for an intro teacher. He also seems to think he never makes mistakes although I have personally caught three mistakes in the grading system this semester and many more in the instructions. I also found his interest in obscure words annoying. In general, he seems like the kind of person who thinks he understands baseball because he memorized the batting average of every player. Tyconievich is a great crowd pleaser but really a sub-par professor.
	The homework was okay, until we got to Lou's List, especially the ones involving UML class diagrams. These programs were far too difficult and took too much time.
	Some of the POTDs took upwards of 6 hours to figure out....and the final project was really beyond what we had learned in the course which made me dislike the course much more than I should have. Other than that it was definitely a worthwhile course and I went from not knowing how to program at all to being pretty okay.
	Professor Tychoneivich is fantastic. And this was a really great class. I learned a lot and I loved it. Side note: I never opened my textbook...students should be aware that they don't necessarily need it. I wish I hadn't spent money on it.
	The professor did not do a good job teaching the class the course material. I also think that it would have been helpful to be able to see a correct version of our homework programs after receiving a grade for them so that we could see what we did wrong and how to do it right. Without this, it was hard to improve at all.
	A fun class that had a charismatic and knowledgeable teacher. Very organized and course material was interesting.
	This is one of the best courses offered at the University, in my opinion. I loved it, I learned so much. Give Tychonievich a pay raise.
	This was a good introductory class. Professor Tychonievich does a good job explaining the material.
	Prof Tychonievich is engaging and approachable!
	This class was difficult for people who had never taken a CS course before. They didn't tell people that at the beginning, but it's true. I felt like some of the HW assignments were over the top difficult for an entry level class, maybe that's just how UVa does things. But overall, Tychonievich was a great professor.
	This course was the perfect speed for people who haven't coded before but want to learn the material.
	The program of the day really helped be learn the topics learned in class

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	The course material was interesting. However it was a lot harder than I expected. I believe that there should be more of a distinction between the explanations of 1110 and 1112. The programming picked up after the first week. The POTD became extremely challenging during the middle of the course and sometimes I was completely clueless on what to do. I may not major in CS as I'm horrible at programming but the class in general was extremely interesting