CS 1110-003 **Introduction to Programming** - Spring 2019

ENGR (16848)

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

Respondents: 74 / Enrollment: 174

Summary: CS 1110-003 Introduction to Programming - Spring 2019 (16848)

Overall Course Rating	**Overall Instructor Rating**
	INSTRUCTOR: Tychonievich, Luther
CS-1110-003 Mean 3.99	Mean 4.52
CS-1110-003 Std Dev 1.10	Std Dev 0.71
CS-1110-003 Response Count 367	Response Count 517
SEAS, 1000-level courses Mean 3.91	SEAS, 1000-level courses Mean 4.13
SEAS, 1000-level courses Std Dev 1.03	SEAS, 1000-level courses Std Dev 0.90
SEAS, 1000-level courses Response Count 6215	SEAS, 1000-level courses Response Count 17234

~ 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-1110-003

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
71	4.44	0.55	33 (46.48%)	36 (50.70%)	2 (2.82%)	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)
1239	4.04	0.92	396 (31.96%)	617 (49.80%)	136 (10.98%)	51 (4.12%)	35 (2.82%)	4 (0.32%)

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-1110-003, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
73	4.40	0.78	38 (52.05%)	29 (39.73%)	4 (5.48%)	1 (1.37%)	1 (1.37%)	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)
2470	3.90	1.04	690 (27.94%)	931 (37.69%)	322 (13.04%)	177 (7.17%)	76 (3.08%)	274 (11.09%)

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-1110-003

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
74	4.26	0.98	37 (50.00%)	27 (36.49%)	4 (5.41%)	4 (5.41%)	2 (2.70%)	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)
1244	4.08	0.90	415 (33.36%)	617 (49.60%)	123 (9.89%)	58 (4.66%)	26 (2.09%)	5 (0.40%)

~ 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-1110-003

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
74	4.24	1.02	39 (52.70%)	22 (29.73%)	7 (9.46%)	4 (5.41%)	2 (2.70%)	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)
1246	3.85	1.09	371 (29.78%)	521 (41.81%)	174 (13.96%)	103 (8.27%)	59 (4.74%)	18 (1.44%)

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-1110-003

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
74	3.35	1.23	15 (20.27%)	14 (18.92%)	20 (27.03%)	11 (14.86%)	5 (6.76%)	9 (12.16%)

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)
1246	3.39	1.21	139 (11.16%)	196 (15.73%)	196 (15.73%)	84 (6.74%)	63 (5.06%)	568 (45.59%)

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-1110-003, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
74	4.28	0.80	34 (45.95%)	30 (40.54%)	7 (9.46%)	3 (4.05%)	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)
2459	3.97	0.95	645 (26.23%)	1061 (43.15%)	312 (12.69%)	94 (3.82%)	71 (2.89%)	276 (11.22%)

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-1110-003, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
74	4.76	0.49	58 (78.38%)	14 (18.92%)	2 (2.70%)	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)
2461	4.32	0.77	1004 (40.80%)	947 (38.48%)	181 (7.35%)	27 (1.10%)	25 (1.02%)	277 (11.26%)

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-1110-003, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
74	4.65	0.61	52 (70.27%)	19 (25.68%)	2 (2.70%)	1 (1.35%)	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)
2463	4.30	0.77	964 (39.14%)	991 (40.24%)	167 (6.78%)	37 (1.50%)	24 (0.97%)	280 (11.37%)

~ 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-1110-003

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
74	3.38	1.18	8 (10.81%)	16 (21.62%)	15 (20.27%)	4 (5.41%)	5 (6.76%)	26 (35.14%)

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)
1240	3.96	1.00	256 (20.65%)	336 (27.10%)	134 (10.81%)	32 (2.58%)	30 (2.42%)	452 (36.45%)

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-1110-003, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
74	4.31	0.81	35 (47.30%)	31 (41.89%)	4 (5.41%)	4 (5.41%)	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)
2464	4.16	0.84	745 (30.24%)	970 (39.37%)	215 (8.73%)	57 (2.31%)	31 (1.26%)	446 (18.10%)

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-1110-003, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
74	4.57	0.62	46 (62.16%)	25 (33.78%)	2 (2.70%)	1 (1.35%)	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)
2460	4.25	0.81	921 (37.44%)	974 (39.59%)	181 (7.36%)	57 (2.32%)	26 (1.06%)	301 (12.24%)

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-1110-003, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
74	4.66	0.67	54 (72.97%)	17 (22.97%)	2 (2.70%)	0 (0.00%)	1 (1.35%)	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)
2457	4.03	0.96	751 (30.57%)	914 (37.20%)	334 (13.59%)	99 (4.03%)	54 (2.20%)	305 (12.41%)

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-1110-003

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
74	0 (0.00%)	27 (36.49%)	36 (48.65%)	9 (12.16%)	2 (2.70%)

Results for SEAS, 1000-level courses

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
1246	150 (12.04%)	710 (56.98%)	309 (24.80%)	53 (4.25%)	24 (1.93%)

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~ 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-1110-003

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
74	4.31	0.86	37 (50.00%)	27 (36.49%)	7 (9.46%)	2 (2.70%)	1 (1.35%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1242	3.83	1.12	386 (31.08%)	498 (40.10%)	186 (14.98%)	104 (8.37%)	68 (5.48%)

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-1110-003

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
74	4.08	1.16	35 (47.30%)	24 (32.43%)	4 (5.41%)	8 (10.81%)	3 (4.05%)

Results for SEAS, 1000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1239	3.74	1.20	392 (31.64%)	438 (35.35%)	197 (15.90%)	125 (10.09%)	87 (7.02%)

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-1110-003, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
74	4.51	0.62	43 (58.11%)	26 (35.14%)	5 (6.76%)	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)
2453	4.00	0.99	802 (32.69%)	1121 (45.70%)	363 (14.80%)	55 (2.24%)	112 (4.57%)

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-1110-003, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
73	4.29	0.77	33 (45.21%)	30 (41.10%)	8 (10.96%)	2 (2.74%)	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)
2454	3.89	1.01	751 (30.60%)	963 (39.24%)	561 (22.86%)	76 (3.10%)	103 (4.20%)

18. Overall, the instructor was an effective teacher.
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Question Type: Likert
~
contributed by Office of the Provost

Results for CS-1110-003, Tychonievich, Luther

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
74	4.42	0.74	40 (54.05%)	27 (36.49%)	5 (6.76%)	2 (2.70%)	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)
2456	3.92	1.04	799 (32.53%)	970 (39.50%)	475 (19.34%)	104 (4.23%)	108 (4.40%)

~ 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-1110-003	
Total	Individual Answers
41	*See below for Individual Results*

I myself am not a student of the Engineering school, and am often a little bit intimidated by courses from E-school because they're widely known to be challenging. That being said, Professor Tychonievich made the class fun, engaging, and made the environment one of minimal stress, and this made me feel more inclined/motivated to come to lecture and engage with the material.

Professor Tychonievich was an effective teacher but the class was unnecessarily hard. The homework assignments were much harder than what we did in class and I would often find my self stressed and crying about something that was 2% of my grade. I enjoyed learning about CS but I think the class, even though projected that one does not need prior knowledge, still requires some. I did not have any prior knowledge and the class was sooo difficult for me and I was always a mess and could not handle it sometimes. I would recommend cooling the class down to take people from all coding backgrounds or making it very very clear that some knowledge is required for this course.

This course was very helpful and useful to me.

Prof. Tychonievich was so engaging and made the 9am lectures fun and interesting. Great teacher, loved this class because of him.

Loved this course! Professor Tychonievich is great

Good class. Wasn't too difficult, wasn't too easy. Glad I took it but don't think I will be taking another CS class.

Professor Tychonievich was an amazing professor and was very good at being clear and outlining what was expected of us and doing his best to make sure we understood everything he was outlining.

More TAs are needed in lab

Great course!

There should be office hours on Friday, and the exams (particularly the second one) needed to be much easier, and focus on what was actually covered in class.

Luther is great, very knowledgeable, has an acute understanding of the material, moves at the right pace

I really enjoyed working through the PAs and doing the labs. The lab TAs are great people and were super helpful. Professor Tychonievich made lecture engaging and explained the information well. Overall, a very good course.

Only issue I have with this course is the TA's. Some of them in OH clearly don't want to be there. I'm not sure if they're being paid or not, or whether they get some incentive for being a TA, but that incentive is definitely wasted on some who are likely only there for that. There should be a more rigorous screening process for TA's. Some of them are lazy and don't try at all to actually "teach" me. Also, some of them don't understand how to empathetically speak to another student who doesn't understand new things very fast.

By far the most challenging course I have ever taken in my college career. I will NOT be pursuing any further CS classes in the future, solely due to my experience in this class. The professor was incredibly knowledgable and smart, but the lack of traditional lecture materials (powerpoint slides, etc) made this course challenging.

Although difficult, this was a very good course. Professor Tychonievich was a very effective teacher and was also very approachable if any students had additional questions.

Professor Tychonievich is a very good professor and always wants us to understand the material. He asks for any questions very often and checks in with us mid-lecture to see if we understand. Overall, he is very good at what he does and I think that he is a great lecturer and professor who is very approachable as well.

Professor Tychonievich was fantastic, and I appreciated his understanding when I had an issue that required rescheduling my exam.

He was an engaging energetic lecturer, and has creative and relevant analogies to compare concepts to. I was able to learn a lot!

I think the class was good, it just got really hard towards the end and some of the concepts are really hard to understand and should have more time spent on them than on how to do the making a game stuff.

A lot of coding is knowing the specific words and mechanics that can be used to do different things. Lectures should have included more direct lessons about the different options and techniques to complete different tasks. A suggestion is to create a student group opportunity for students to work on PA assignments together.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	None
	I enjoyed being in this class and learning about a topic I never thought I'd be learning about
	I really enjoyed this course, and I think that Professor Tychonievich was great. I think it would have been helpful if the homeworks were a little bit more applicable to the real world. Sometimes, it seemed like we were solving problems that did not seem too important. Otherwise, I think the concepts that I learned in this class will actually be extremely useful in the real world.
	Overall, this was a good introduction class. The second exam definitely got harder. I think it is important to go to lectures because you are most likely not going to watch the posted lecture videos once you miss class.
	im going into comm so I won't take any more cs classes but this course was a great introduction into the field and I definitely learned a lot and am glad I took it
	Overall, I enjoyed this course very much and Tychonievich was a great instructor.
	the exams are hard
	This was a great class that taught me a lot about CS. It was difficult at times, but overall a positive experience
	This class challenged me but I feel like I am better for it.
	I really hated CS when I took it in high school, but now I am going to take some more classes in the subject. Really awesome job teaching
	n/a
	Tychonievich was a fantastic instructor! I knew nothing about cs before taking this class, but I enjoyed the class so much, I hope to take another cs course (even though it will likely not be my major). The lectures were interesting, and I was rarely confused because Tychonievich explained the material so well. The homework assignments were practical and enjoyable (as long as I didn't begin them the night before).
	Taking CS 1110 with Tychonievich was a great decision. He made the class very enjoyable and was obviously very ready to teach the material. One problem I had, though, deals with CS 1110 in general. The exams sometimes aren't in depth enough, e.g. writing some functions, so it is easy to lose points because they expect you to write a certain line of code that they may not have explicitly said. However, I very much enjoyed Tychonievich as a professor.
	Great course! I learned a ton.
	This class goes through material too fast without building a solid foundation for those who didn't have any programming experience prior to this class.
	I recommend Tycho he is a great professor
	Tychonievich made the class enjoyable and the material interesting and applicable. Overall, a very good course to take.
	Overall, a fantastic class! I came into it without any knowledge about CS, and now I am considering either majoring or minoring in it! My only suggestion would be to reduce the amount of PAs due at the end of the semester; especially when checkpoints for the game project are due. Instead of focusing on my game, I was more focused on doing the homeworks, so I think those two weeks with checkpoints should be a little lighter. Overall, the PAs and lab really enhanced my learning, and I loved the structure of office hours. A wonderful class that I would recommend to everyone!
	Great course, was a nice introduction to coding.
	The material ramped up too quickly. Too much time is spent in the begging doing NOTHING (whole class dedicated to making paper airplanes), and there is a disproportionate time alloted to Exam 1 material and Exam 2 matieral. Exam 2 is way harder than Exam 1, more time should be spent talking about Exam 2 stuff.
	I now know I will never take another Computer Science course in my life. Thank you UVA for teaching me this valuable lesson.