

CS 2150-002 Program & Data Representation - Spring 2016

ENGR (20176)

INSTRUCTORS: Floryan, Mark (mrf8t)

Respondents: 72 / Enrollment: 104

Summary: CS 2150-002 Program & Data Representation - Spring 2016 (20176)	
Overall Course Rating CS-2150-002 Mean 4.11 CS-2150-002 Std Dev 1.18 CS-2150-002 Response Count 360 SEAS, 2000-level courses Mean 4.05 SEAS, 2000-level courses Std Dev 1.00 SEAS, 2000-level courses Response Count 16344	Overall Instructor Rating <i>INSTRUCTOR:</i> Floryan, Mark Mean 4.39 Std Dev 0.74 Response Count 502 SEAS, 2000-level courses Mean 4.24 SEAS, 2000-level courses Std Dev 0.89 SEAS, 2000-level courses Response Count 23150

~ QUESTIONS AND DETAILS ~		~ ANSWER MATRICES ~							
<div>1. The course addressed technically rigorous subject matter consistent with the course objectives.</div> <div>~</div> <div>Question Type: Likert</div> <div>~</div> <div>contributed by Dean of the School of Engineering and Applied Science</div>	Results for CS-2150-002								
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
	72	4.82	0.42	60 (83.33%)	11 (15.28%)	1 (1.39%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
	Results for SEAS, 2000-level courses								
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
	3272	4.38	0.72	1590 (48.59%)	1389 (42.45%)	213 (6.51%)	38 (1.16%)	23 (0.70%)	19 (0.58%)
<div>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.</div> <div>~</div> <div>Question Type: Likert</div> <div>~</div> <div>contributed by Dean of the School of Engineering and Applied Science</div>	Results for CS-2150-002, Floryan, Mark								
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
	72	4.20	0.91	33 (45.83%)	22 (30.56%)	11 (15.28%)	4 (5.56%)	0 (0.00%)	2 (2.78%)
	Results for SEAS, 2000-level courses								
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
	3312	4.06	1.01	1289 (38.92%)	1237 (37.35%)	411 (12.41%)	213 (6.43%)	83 (2.51%)	79 (2.39%)
<div>3. There was a reasonable level of effort expected for the credit hours received.</div> <div>~</div> <div>Question Type: Likert</div> <div>~</div> <div>contributed by Dean of the School of Engineering and Applied Science</div>	Results for CS-2150-002								
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
	72	3.31	1.49	22 (30.56%)	15 (20.83%)	10 (13.89%)	13 (18.06%)	12 (16.67%)	0 (0.00%)
	Results for SEAS, 2000-level courses								
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
	3267	4.09	1.00	1294 (39.61%)	1392 (42.61%)	265 (8.11%)	204 (6.24%)	104 (3.18%)	8 (0.24%)

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

4. 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-2150-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
72	4.68	0.53	50 (69.44%)	19 (26.39%)	2 (2.78%)	0 (0.00%)	0 (0.00%)	1 (1.39%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3265	4.17	0.91	1286 (39.39%)	1278 (39.14%)	318 (9.74%)	136 (4.17%)	54 (1.65%)	193 (5.91%)

5. The textbook increased my understanding of the material.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
72	3.37	1.21	7 (9.72%)	3 (4.17%)	12 (16.67%)	3 (4.17%)	2 (2.78%)	45 (62.50%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3268	3.55	1.15	487 (14.90%)	718 (21.97%)	548 (16.77%)	245 (7.50%)	138 (4.22%)	1132 (34.64%)

6. The course material was well organized and developed.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-002, Floryan, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
72	4.38	0.72	35 (48.61%)	31 (43.06%)	4 (5.56%)	2 (2.78%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3310	4.03	1.01	1205 (36.40%)	1358 (41.03%)	379 (11.45%)	231 (6.98%)	89 (2.69%)	48 (1.45%)

7. The instructor was knowledgeable about the subject matter.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-002, Floryan, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
71	4.46	0.75	40 (56.34%)	27 (38.03%)	2 (2.82%)	1 (1.41%)	1 (1.41%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3310	4.55	0.68	2032 (61.39%)	1025 (30.97%)	133 (4.02%)	30 (0.91%)	21 (0.63%)	69 (2.08%)

8. The instructor was well prepared for class.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-002, Floryan, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
71	4.44	0.75	39 (54.93%)	27 (38.03%)	2 (2.82%)	3 (4.23%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3305	4.35	0.83	1673 (50.62%)	1190 (36.01%)	257 (7.78%)	84 (2.54%)	41 (1.24%)	60 (1.82%)

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

9. 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-2150-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
72	3.94	1.10	25 (34.72%)	30 (41.67%)	9 (12.50%)	4 (5.56%)	4 (5.56%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3272	3.85	1.05	854 (26.10%)	1198 (36.61%)	490 (14.98%)	235 (7.18%)	104 (3.18%)	391 (11.95%)

10. The grading policy was fair.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-002, Floryan, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
72	4.19	0.72	25 (34.72%)	38 (52.78%)	7 (9.72%)	2 (2.78%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3311	4.12	0.90	1224 (36.97%)	1466 (44.28%)	377 (11.39%)	158 (4.77%)	49 (1.48%)	37 (1.12%)

11. 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-2150-002, Floryan, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
72	4.44	0.69	38 (52.78%)	30 (41.67%)	2 (2.78%)	2 (2.78%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3303	4.36	0.78	1597 (48.35%)	1328 (40.21%)	199 (6.02%)	75 (2.27%)	29 (0.88%)	75 (2.27%)

12. 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-2150-002, Floryan, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
72	4.58	0.50	42 (58.33%)	30 (41.67%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3299	4.23	0.87	1417 (42.95%)	1290 (39.10%)	334 (10.12%)	119 (3.61%)	40 (1.21%)	99 (3.00%)

13. 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-2150-002

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
72	2 (2.78%)	1 (1.39%)	11 (15.28%)	22 (30.56%)	36 (50.00%)

Results for SEAS, 2000-level courses

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
3272	237 (7.24%)	1150 (35.15%)	1191 (36.40%)	413 (12.62%)	281 (8.59%)

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

14. I learned a great deal in this course.

Question Type: Likert

contributed by Office of the Provost

Results for CS-2150-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
72	4.74	0.47	54 (75.00%)	17 (23.61%)	1 (1.39%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
3261	4.19	0.89	1379 (42.29%)	1349 (41.37%)	352 (10.79%)	134 (4.11%)	47 (1.44%)

15. Overall, this was a worthwhile course.

Question Type: Likert

contributed by Office of the Provost

Results for CS-2150-002

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
72	4.64	0.54	48 (66.67%)	22 (30.56%)	2 (2.78%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
3257	4.12	0.97	1341 (41.17%)	1271 (39.02%)	403 (12.37%)	169 (5.19%)	73 (2.24%)

16. 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-2150-002, Floryan, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
71	4.61	0.52	44 (61.97%)	26 (36.62%)	1 (1.41%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
3300	4.29	0.78	1444 (43.76%)	1504 (45.58%)	248 (7.52%)	73 (2.21%)	31 (0.94%)

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

Question Type: Likert

contributed by Office of the Provost

Results for CS-2150-002, Floryan, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
72	4.53	0.75	45 (62.50%)	23 (31.94%)	2 (2.78%)	1 (1.39%)	1 (1.39%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
3303	4.28	0.81	1512 (45.78%)	1345 (40.72%)	336 (10.17%)	84 (2.54%)	26 (0.79%)

18. Overall, the instructor was an effective teacher.

Question Type: Likert

contributed by Office of the Provost

Results for CS-2150-002, Floryan, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
72	4.46	0.73	42 (58.33%)	22 (30.56%)	7 (9.72%)	1 (1.39%)	0 (0.00%)

Results for SEAS, 2000-level courses

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
3317	4.18	0.96	1481 (44.65%)	1257 (37.90%)	348 (10.49%)	148 (4.46%)	83 (2.50%)

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

19. Please make any overall comments or observations about this course:~
Question Type: Short Answer~
contributed by Office of the Provost

Results for CS-2150-002

Total	Individual Answers
49	See below for Individual Results

Great class. Piazza came in really clutch, the instructors and TAs did a great job of answering quickly! Learned a butt ton of stuff this semester and it made me really want to take more CS classes. It was good, but I hope the department doesn't feel pressured to make it easier for the students in the future. I think part of the learning experience is that it is hard and it forces us to think differently or smarter in order to solve the problems we face. This was the most worthwhile class I've taken so far for sure and I'm glad I took it even though I don't need it for my major. Good job everyone!

I personally enjoyed this class and I think Mark Floryan was a perfect fit for teaching it.

Floryan made 2150 bearable, glad to be taking 4102 with him.

Professor Floryan definitely knew a good deal about the subject matter but he didn't care about the students and made that apparent (or if that isn't true, that is how he came across to many of my classmates and I). It was basically that Professor Bloomfield was in charge and Professor Floryan didn't really care if he missed/glazed over some material (which, by the way, I attended every lecture and paid attention). In addition, there was just a large amount of work required for the course. It would be more manageable if there was a way to incentivize people to stay in lab and worked on the assignment there for 2 hours each week (which, if there's going to be a 1.75 hour lab in addition to three lectures a week, I feel like we should get some credit for going the entire time). Most people would come and clock in and then just leave again. The TAs are present and it's kind of a waste for them to be there and for no one to ask for help, so I just feel like there were some wasted resources that could ease the workload overall should they be utilized. Honestly, I feel like I would have been struggling a lot more if I hadn't had some of the experience I did. Luckily, I had a software engineering internship last summer so I was exposed to a lot of the material in this course while working full time, so I feel really bad for the kids who didn't have that strong of a background. The course was still difficult for me, even after looking at code, playing with data structures, and converting numbers between hex and binary for ~20 hours a week for 10 weeks. There must be a way to better prepare students for all the material instead of just throwing them in and hoping they can handle it.

I spent more time on this class than on all my other classes combined. I didn't like how some topics like shell scripting and doxygen were expected in assignments but never touched in class. Especially at the beginning of the year, we were not given enough instruction in lab and the instructions are incredibly dense for the amount they teach. It's very easy to miss an instruction and just not do part, like I almost didn't notice the section of the hash lab telling us to find the running time despite reading it multiple times.

Overall, a very rigorous and difficult class. That being said, I think that rigor let me learn a ton of useful and very interesting material that will really help me be successful down the road. The professor was both an excellent teacher and a great, approachable, and friendly person all around. I really liked the hands on aspect of actually coding/designing/building many of the data structures we learned about, and I thought that the low level material was actually fun, interesting, and useful. I just wish the number of write ups could have been minimized, as I think they detracted from the hands on aspect, even if they were necessary to a degree for more in depth and student driven understanding of the material.

Fun class!

Floryan did an exceptional job with this course, I hope future students can recognize that and try to enroll into his class too instead of swarming Bloomfield's class.

Prof Floryan did a great job this semester. He was an enjoyable lecturer and was very available outside of class. 2150 was a very fun course and is definitely my favorite of the CS courses so far, but I still have some small problems with the course as listed below. I enjoyed 2150 as a whole, but I think that the professors should decrease the amount that they emphasize the overall difficulty of the course. I assume there is some amount of fun involved with claiming to have ultra difficult assignments, but this course and previous courses provide more than enough background to properly solve the assignments. The slides really try to make hash lab and the Huffman coding labs seem like immense challenges whereas I found the majority of the difficulty of those labs to be deciphering the somewhat convoluted instructions. (The fact that the required hash map does not actually function like a hash map by default may cause part of this confusion -- instead of storing (key, value) pairs the key is the value and thus the relationship between key and value may be lost on students unfamiliar with maps. Lack of instruction related to actually using hash maps in previous courses may also play into this. I think that clarification of the assignment instructions would help a large amount with perceived difficulty. Additionally, I think that the intro CS curriculum as a whole should include some content on problem solving methodologies so that students feel like they are prepared to solve problems effectively. The second half of this course is already somewhat writing heavy and I think that simply requiring students to submit a short list of how they are planning to solve the assignment may help students actually think about what they are doing. 9/10

Floryan was a good teacher and he made it less boring. I think the class should be 4 credits and the time should be slightly more flexible so I don't have to literally drop every other homework assignment/anything going on in my life to be able to get the lab done each week. For example, maybe Post-Labs should be due Friday at midnight or Saturday.

An excellent teacher for this class. Doesn't sugar coat things, but helps you through them.

none

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

Floryan is bae <3

This course should be 4 credits. Right now it is 3 credits, but the amount of work and effort that goes into it is crazy. I spend almost my entire week on homework/ labs for this class.

This should probably be a 4-credit course, but Professor Floryan did a great job.

I think that this should be a 4 credit course

The course work load was way more than a 3 credit course's work load should have been. I spent 13+ hours on each pre-lab and in-lab assignment, not including the post-lab.

Support requests are one of the worst ways to get in contact with a teacher or TA. I would highly advise looking into a new system or way of answering questions.

There is a large amount of homework in this class, but I think that it would be tough to fully understand all the material otherwise.

I feel as if there was too much homework ever week for a class only worth 3 credits.

More program and data representation (memory level stuff, registers, ect.), less run times and data structures (Trees, hashes, PROVING RUNTIMES). It seems like the latter subjects are taught over and over again within the CS curriculum. Also, fix the submission server problems. All of my .pdfs were exported through libreoffice, half of them the graders couldn't open.

This class was the hardest class I have taken at the University. It's not that the material was difficult its that the work load was almost unbearable. The TA's were not as helpful as I would have liked. I would start the projects on my own and get as far as I could. Then I would ask the TA's during lab or office hours. After a while of trying to find the bug, they would leave me on my own without much suggestion. They're mentality seemed to be "If I can't figure it out in 5 seconds then I'm not gonna try." Professor Floryan was a good teacher, laid back and clear. He answered all questions very well and knew the material very well.

This course should be 4 credits

This class was amazing in that I learned such a great deal in such a short amount of time. That said, I really think that this class could and should be worth more credits. On top of 3 hour long lectures, we have the lab and three significant assignments per week. Professor Floryan (and Professor Bloomfield from the lecture videos) were great professors and I rarely had questions on the subject matter. I just had some trouble implementing things (so many seg faults)

This class is good but requires much too much effort for 3 credits and the tests are not designed well. Definitely deserves to be considered the "gateway" to CS.

This was a difficult but worthwhile course. I learned a great deal, although I felt that Professor Bloomfield was more knowledgeable and effective than Professor Floryan.

This course is absolutely ridiculous. How is someone supposed to learn an entirely new programming language in a week and write a multi class program for linked list? While the information is important, spending 30+ hours in a week on homework is a little excessive, and I don't even know if it was worthwhile because we didn't get grades back until the last week. 2110 should cover more so 2150 is more manageable

The class is wicked hard but doesn't hurt your GPA so it overall is just a huge learning experience. Also, Floryan is my favorite professor ever because he cares a lot, knows and loves the content, and relates to his students very well.

This is the best course I have taken at UVA. The material is fantastic and I loved the challenge that some of the labs provided. Bloomfield has done a fantastic job developing 2150 into what it is today. Floryan did a great job teaching my section and responded extremely well to in-class questions and always seemed to be in a great mood. ONE SUGGESTION: THIS CLASS NEEDS TO BE 4 CREDITS. Why is it not? We have 3 lecture hours and a 1 3/4 lab hour. We all know that $3 + 1 \frac{3}{4} = 3$ right? Oh wait, it doesn't, and on top of that, this class is a boatload of work. Helpful, mind-opening, sometimes even enjoyable work, but a boatload nonetheless.

Very difficult but worthwhile.

This was one of my favorite classes so far, but I'm sure you get that a lot considering this is the first CS course where things get serious. The variety of languages learned in this class (even if they are at a basic level) was surprising and very much welcomed. I agree with pretty much the whole structure of the class, including the lack of group work (there are plenty of other opportunities in the CS department for group work). Great job!

:-)

I think that CS 2150 should be more than 3 credits. The amount of time I spent on this one class was ridiculous and took so much time away. Not only was there lecture three times a week and an hour and 45 minute lab, I spent more than 10 hours every week working on pre, in, and post labs. This strongly affected me as my other courses took a back seat in me trying to keep up with assignments for this class. I feel that this course kind of "throws you to the wolves" meaning that we learn a certain concept and it is up to us to figure out from that concept how to write a piece of code. This was probably the hardest class I have ever taken and the difficulty of this class caused me a lot of stress throughout this semester. I feel more should be done to help those who may not be great at coding and to provide some other forms of help.

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

I don't see why compilation failures have to result in a 0% for the assignment. We're told that we can comment out large amounts of code until it compiles. So it seems we comment out almost the entire program and get more credit, which seems silly. I get that by this stage we should be able to write code that compiles, but on some of the labs compilation was difficult (e.g., the x86 labs if you were using a Mac). Automatically given a score of 0 seems harsh. Overall, this was a great class and I learned a lot.

Great class. Just fix the wording in the labs, especially the post-lab sections. There is some ambiguity and slight contradictions in the instructions.

Professor Floryan was excellent. I'm sorry not to be taking any classes with him next semester. The lectures were engaging, and the professor was as well. I don't have any big suggestions for the course. Wow, how interesting.

Floryan is good guy and this course was well-done. However, it is absolutely absurd how much work this class has. The work was not overly difficult, the sheer amount of work is just too much for a 3 credit class. That being said, I do feel all of the topics covered in the class were absolutely necessary. I would consider either making CS 2150 4 credits or moving a significant portion of the material into CS 2110. If CS 2110 were harder, there would also not be as many CS majors at UVa and CS minors could actually get into some classes. There is no reason a linked list or stack could not have been implemented in a Java class.

I went to Bloomfield's lectures almost all semester, but this is truly a well-structured, fair class that pays off if you put in hard work. Great core CS class, really enjoyed it and learned a lot. I hope Bloomfield reads this, because if he does, then props to him for making such a solid CS course.

The class was well organized and taught me a lot about computer. The professor was awesome!

Really enjoyed this class and I think Floryan has been my best professor at UVa. Keep up the great work!

TAs Michelle Wang - very very friendly and knowledgeable Skinny Ginger Boy - quiet but very helpful Xhama and co. - most amazing TAs ever. I had so many weird errors and they always figured it out even if the remedy was quite unconventional Andrew N - perfect copy of Andrew Coffee and very helpful :D Alec - very well intentioned but sorta not helpful. Sam H - a lot of misguided help in the beginning of the semester (Xhama and co would help me fix the things he helped me implement. He was always close, I'd ask for an orange and he'd give me a lime. cloooooose) Andrew D - yucky breath don't tell him directly just offer him mints Stefanie - very helpful :D I really liked her none of the TAs were condescending like the ones in 2110 and 2102 so that's nice :)

n/a

Should be a 4 credit class!

The material was effectively presented so that any student who attended lecture and read the course materials could understand the concepts, especially with the preparation given by previous courses in the curriculum. I would have appreciated if there was better communication between CS 2110 and CS 2150 so we wouldn't repeat concepts. I learned about Trees, Hash Tables, big Oh, and the Traveling Salesman Problem in Software Development Methods, as did my classmates. We would have benefited more from learning something new. As for the programming assignments, I often felt that we were being thrown into the sharks as there was little to no programming instruction in lecture -- all programming concepts were learned by talking to the TAs and attending office hours. I would have learned zero programming this semester if it wasn't for TA office hours. There were some especially helpful TAs who I always hoped would handle my queue entries because I knew my lab would be done within an hour if they did - Ryan and Leila were very helpful. There were other TAs that would solve a preliminary problem for a few moments then throw you back into the sharks. In terms of learning, it was not beneficial to me to run my code through the debugger because it seg faulted, stare at the line with the seg fault, change things over and over hoping the seg fault would be resolved, then receive points off my lab because the seg fault would not go away - but that was what happened when the queue reached 60 people the night that pre-lab 6 was due. I learned nothing from that experience and many people did not get the help they needed. The queue reached 40 people the night pre-lab 10 was due. The difficulty of the lab and the availability of help should be taken into account when enforcing deadlines, as nothing is learned from a passed deadline where after hours of revisiting EVERY SINGLE METHOD with EVERY TA patient enough to sit down with you the seg fault still wasn't resolved. The instructions were sometimes dense so it was difficult to know exactly what should be done. I often submitted code I believed was working perfectly until I checked the details of my grade and the grader mentioned things I didn't even know were necessary. I also believed the grading for labs should have been contingent on more than output -- students should receive credit if the data structure is working properly and the methods were implemented, especially when multiple TAs can't find the bug in the students code. Exam grading felt arbitrary. After receiving my test back I could confirm my answers to questions with a Google search and still receive points off. Questions were also sometimes phrased ambiguously -- the hashing question on Midterm 2, for example, was subjective. How do you define a hash function as "fast" without timing the algorithm and considering all possibilities? The question about memory holes, also, was not mentioned in lecture.

This course was so much work but definitely worth it. Should get more credits than 3 for this course, however...

Floryan was a really nice and available professor, but sometimes it seemed like he was just reading us the slides. This may just be because he's teaching a course that Bloomfield wrote, but it always felt like we could just read the slides and skip lecture. Also, for future reference- the lab reports are not effective. Especially the x86 ones... people literally just ask the TAs for the answers then write a lab report around that. Otherwise, I learned a ton, and would say I absolutely benefitted from this course. Thanks, guys!

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

I think this class should be at least 4 credits. It was a great class but it was a lot of work. I learned a lot and I think it was totally worth it.

This course is way too much work to only be worth 3 credit hours. It is also a HUGE step up from 2110 or 2102. I think 2110 needs to be a little more difficult to prepare students a little bit more for the rigor of 2150, and 2150 should be a 4 credit hour course.

This was difficult course, but I learned a ton.