CS 2150-001 **Program & Data Representation** - Fall 2012

ENGR (17644)

INSTRUCTORS: **Bloomfield, Aaron S. (asb2t)** - Wang, Xi (xw4bt)

Respondents: 53 / Enrollment: 90

Summary: CS 2150-001 Program & Data Representation - Fall 2012 (17644)

Overall Course Rating

CS-2150-001 Mean 3.94
CS-2150-001 Std Dev 1.27
CS-2150-001 Response Count 263

Difference from Category Mean, Expressed in Category Standard Deviations	
	-0.13

SEAS, 2000-level courses Mean 4.07
SEAS, 2000-level courses Std Dev 0.97
SEAS, 2000-level courses Response Count 12847

Overall Instructor Rating

INSTRUCTOR: Bloomfield, Aaron S.
 Mean 4.65
 Std Dev 0.61
 Response Count 363

Difference from Category Mean, Expressed in Category Standard Deviations	
	0.57

SEAS, 2000-level courses Mean 4.11
SEAS, 2000-level courses Std Dev 0.95
SEAS, 2000-level courses Response Count 38505

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

1. Please list any comments (pro or con) about the teaching assistants here. These results will be passed onto the TAs so that they also have some feedback from the course evaluations.
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Question Type: Short Answer
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contributed by Bloomfield, Aaron S. (asb2t)

Results for CS-2150-001, Bloomfield, Aaron S.

Total	Individual Answers
31	See below for Individual Results

(these responses redacted, as they are not about me)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

(these responses redacted, as they are not about me)

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2. 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-2150-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
53	4.70	0.57	40 (75.47%)	10 (18.87%)	3 (5.66%)	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)
2574	4.40	0.70	1264 (49.11%)	1123 (43.63%)	131 (5.09%)	39 (1.52%)	11 (0.43%)	6 (0.23%)

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3. 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
~
contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-001, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
53	4.42	0.77	30 (56.60%)	16 (30.19%)	6 (11.32%)	1 (1.89%)	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)
5534	3.96	1.03	1454 (26.27%)	1431 (25.86%)	792 (14.31%)	217 (3.92%)	128 (2.31%)	1512 (27.32%)

The information in this document is private and confidential. Please handle accordingly.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

4. 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-2150-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
53	3.11	1.59	17 (32.08%)	7 (13.21%)	5 (9.43%)	13 (24.53%)	11 (20.75%)	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)
2577	4.15	0.94	1027 (39.85%)	1156 (44.86%)	194 (7.53%)	126 (4.89%)	65 (2.52%)	9 (0.35%)

5. 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-2150-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
52	4.65	0.62	37 (71.15%)	13 (25.00%)	1 (1.92%)	1 (1.92%)	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)
2570	4.25	0.87	1130 (43.97%)	1020 (39.69%)	219 (8.52%)	91 (3.54%)	38 (1.48%)	72 (2.80%)

6. 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-2150-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
53	2.84	1.24	4 (7.55%)	7 (13.21%)	11 (20.75%)	9 (16.98%)	6 (11.32%)	16 (30.19%)

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)
2568	3.54	1.18	520 (20.25%)	750 (29.21%)	488 (19.00%)	298 (11.60%)	150 (5.84%)	362 (14.10%)

7. 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-2150-001, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
53	4.66	0.65	39 (73.58%)	11 (20.75%)	2 (3.77%)	1 (1.89%)	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)
5503	4.04	0.96	1432 (26.02%)	1571 (28.55%)	673 (12.23%)	160 (2.91%)	94 (1.71%)	1573 (28.58%)

8. 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-2150-001, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
52	4.94	0.31	50 (96.15%)	1 (1.92%)	1 (1.92%)	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)
5503	4.34	0.88	2250 (40.89%)	1285 (23.35%)	481 (8.74%)	73 (1.33%)	74 (1.34%)	1340 (24.35%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

9. 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-2150-001, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
52	4.81	0.44	43 (82.69%)	8 (15.38%)	1 (1.92%)	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)
5490	4.22	0.90	1863 (33.93%)	1462 (26.63%)	541 (9.85%)	117 (2.13%)	67 (1.22%)	1440 (26.23%)

10. 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-2150-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
52	4.10	0.80	16 (30.77%)	28 (53.85%)	5 (9.62%)	3 (5.77%)	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)
2558	3.94	0.93	646 (25.25%)	1007 (39.37%)	403 (15.75%)	119 (4.65%)	43 (1.68%)	340 (13.29%)

11. The grading policy was fair.
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Question Type: Likert
~
contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-001, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
51	4.39	0.70	25 (49.02%)	22 (43.14%)	3 (5.88%)	1 (1.96%)	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)
5497	3.95	0.96	1305 (23.74%)	1782 (32.42%)	729 (13.26%)	244 (4.44%)	94 (1.71%)	1343 (24.43%)

12. 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-2150-001, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
52	4.65	0.56	36 (69.23%)	14 (26.92%)	2 (3.85%)	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)
5488	4.19	0.90	1736 (31.63%)	1552 (28.28%)	526 (9.58%)	111 (2.02%)	74 (1.35%)	1489 (27.13%)

13. The instructor effectively used technology in support of the learning goals for this course.
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Question Type: Likert
~
contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-001, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
50	4.66	0.59	35 (70.00%)	14 (28.00%)	0 (0.00%)	1 (2.00%)	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)
5490	4.04	0.93	1386 (25.25%)	1441 (26.25%)	755 (13.75%)	146 (2.66%)	65 (1.18%)	1697 (30.91%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

14. 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
~
contributed by Office of the Provost

Results for CS-2150-001

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
52	0 (0.00%)	0 (0.00%)	3 (5.77%)	25 (48.08%)	24 (46.15%)

Results for SEAS, 2000-level courses

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
2575	136 (5.28%)	892 (34.64%)	974 (37.83%)	398 (15.46%)	175 (6.80%)

15. 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-2150-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
52	4.83	0.43	44 (84.62%)	7 (13.46%)	1 (1.92%)	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)
2571	4.27	0.89	1255 (48.81%)	926 (36.02%)	261 (10.15%)	87 (3.38%)	42 (1.63%)

16. Overall, this was a worthwhile course.
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Question Type: Likert
~
contributed by Office of the Provost

Results for CS-2150-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
52	4.67	0.65	39 (75.00%)	10 (19.23%)	2 (3.85%)	1 (1.92%)	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)
2569	4.25	0.93	1257 (48.93%)	899 (34.99%)	263 (10.24%)	94 (3.66%)	56 (2.18%)

17. 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-2150-001, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
51	4.73	0.45	37 (72.55%)	14 (27.45%)	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)
5389	3.79	1.10	1637 (30.38%)	1779 (33.01%)	1538 (28.54%)	67 (1.24%)	368 (6.83%)

18. 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-2150-001, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
51	4.29	0.88	26 (50.98%)	17 (33.33%)	5 (9.80%)	3 (5.88%)	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)
5354	3.85	1.06	1778 (33.21%)	1622 (30.30%)	1581 (29.53%)	120 (2.24%)	253 (4.73%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

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

Results for CS-2150-001, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
52	4.73	0.45	38 (73.08%)	14 (26.92%)	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)
5360	3.80	1.08	1726 (32.20%)	1563 (29.16%)	1631 (30.43%)	173 (3.23%)	267 (4.98%)

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

Results for CS-2150-001

Total	Individual Answers
42	See below for Individual Results

I really enjoyed this course. It was by far my favorite course I took this semester and ranks as one of my favorite courses I have taken here at UVA. I learned so much information it is a little staggering, but I feel like I'm a lot more literate about Computer Science now. I did not have trouble with the workload like other people did. To be honest, it was a lot of work, but if it is managed correctly, it shouldn't be a problem. I tended to get my pre-labs done on Sundays so I could go to office hours then, which were a lot less crowded, then look over the pre-lab and post-lab before lab on Tuesday. It is difficult to get the labs when they aren't working, but I don't feel like the amount of work expected of us was unfair. This class is known as a stepping stone into the rest of the CS classes, and with that would come a decent amount of work. Some weeks were harder than others, which could be inconvenient at times. I personally prefer when I can budget out time. Hash Lab was a pain, but other than that the labs weren't too bad. Overall, I enjoyed doing them and I enjoyed this course. Thank you.

Bloomfield is an incredible professor. But this class was definitely too much work for the credit allotment.

I felt like the work was difficult, but always manageable. Was definitely grateful for all the office hours, though. I really enjoyed this class!

My most difficult course of the semester, yet fully worthwhile at the same time.

i just realized that these were the same questions as the earlier one i took. I thought the TAs did their jobs perfectly and have no complaints.

Lots of work but I learned a ton

Great course, I learned a ton. Bloomfield is one of the best teachers I have ever had. That said, there needs to be another course that focuses on building apps and real work that can be taken simultaneously with 2150. Additionally, this course should be 4 credits. It is somewhat ridiculous that the top public school in the country has 2150 as a 3 credit class when it takes up 80% of your school-work time. It often took entire days for assignments nonstop, which is no where near equal to other 3 credit college courses I take that require little effort.

should be a 4 credit course

This class was a lot of work - a lot.

I love Bloomfield! What a great professor and an even greater guy just all around. Couple things: Regrades should be enabled for the entire semester. Exam keys should be posted. Should have office hours on tuesdays, even though it is lab day. Either make the book mandatory, or post WAY MORE pages. Thanks for posting lectures!

My first real CS class, since I got AP. One of the most valuable experiences in my college career so far.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

Note: I'm going to start with the negative stuff and save the good stuff (there is some!) for the end. PLEASE PLEASE PLEASE FOR THE LOVE OF K&R either reduce the workload for this course or make it four credits (preferably both)!! Heck, split it into two courses if you want. Just do something about it! The amount of time spent on the lab assignments outside of class is LUDICROUS, and the midterm exams were absolute horrors. This class is trying to do too much in one semester, and it's painfully obvious. Throwing the Linked List lab at us when we were just beginning to learn C++ and pointer syntax was mean-spirited. I spent well over 10 hours on that lab, and I'm a good programmer. IBCM was not hard, but it did not AT ALL help with learning actual x86 assembly! They're too different - it was a waste of time! Why did all the assembly stuff fall right in the middle of the course? Why not teach us all the C++ stuff at once and then the unrelated stuff? The course seemed really disjointed: Intro to C++, then assembly/x86, THEN advanced C++? Where's the logic behind that? And why even bother with C and Objective-C when it's just one post-lab each? Either go all-in with them or, preferably, don't, since the course is trying to do too much already... Shoving proofs into the exams was just plain mean. Yes, Discrete Math is a prerequisite to this course, and I understand that, but let's be honest: Who remembers that stuff? More importantly, how many computer scientists use numerical induction and proof logic in their day-to-day jobs? I'm gonna guess, "barely any." Why put UNIX commands and Emacs shortcuts on the exams? Seriously, what's the point of that? The actual programming stuff is enough to learn, so why add more layers of complexity on top of that? I came into the course with a lot of existing UNIX experience (Ubuntu, luckily for me), so I did just fine on these parts; but a lot of people didn't, and that doesn't seem at all fair to me. The lab write-ups for the later post-labs were very tedious, and I didn't feel like I learned anything from them. "Yay! Complexity analysis!" ...said no-one ever. So basically, the curriculum needs a MAJOR revamp. Now for the good stuff. The lectures were great. Prof. Bloomfield is a very engaging/enteraining lecturer and a good explainer; that that helped tremendously. That's actually the only good thing about this course...

Fantastic course, I learned so much I can use in job interviews!

First of all, who is Xi Wang? Second, the homeworks/labs did not help much for the tests, because they covered only a very small part of what actually ended up being on the tests. The course simply tries to stuff too much in- there's extra stuff in there not really related to program and data representation. Labs were easy for me- I never spent more than five hours total doing the pre/in/post-lab combined. The tests, however, simply tried to cover far too much, especially given that the course is only 3 credits. Asking about EMACs shortcuts is absurd- as long as I don't use something like Eclipse, how I type up my code is my business, and none of yours. Finally, it's very telling that the CS department is the only one that I've experienced to have an official regrade request option in many of it's classes. Don't get me wrong- I'm very happy it's there considering how often it needs to be used- but something is very wrong when almost every test needs a regrade request. I simply don't expect to have to argue and ask why a question is wrong at this level of education, and I have never had to do that for any class that's not in CS. I don't know if you are just short-staffed on TA's, or if they aren't being briefed on how to grade enough, but frankly it's embarrassing.

I learned SO MUCH in this class. Bloomfield is a phenomenal teacher, and he knows how to run a classroom. This is the kind of guy that you need in charge of things around here.

Bloomfield is an excellent teacher and this course is very challenging - I can tell it is a weed-out course for CS majors. The labs required a lot of work, but they forced me to adapt efficient coding habits that will be necessary in every class to come. I hear a lot of complaints about the amount of work but I can't help but disagree - some labs were difficult and large but nothing completely unreasonable, and I learned a vast amount from this course. Bloomfield is OP

Great class! It's a ton of work but if you're really interested in CS you'll enjoy it.

This class was awesome I loved it

Who the hell is Xi Wang? Please listen to the exam2 review audio file from 03:20 to 03:30. Thanks.

Aaron Bloomfield is a very engaging and knowledgeable lecturer. I came in this course expecting to do a lot of work and acquire a lot of new knowledge. I wasn't disappointed in both regards. The class was very enjoyable for me; the only things I disliked were the lab reports, which we had to do for every post lab since lab 5 or 6 for some reason. Perhaps due to Stockholm syndrome, when I was cramming for the second exam, I felt really thankful to the instructor for all that I have learned!

Professor Bloomfield has been teaching this course for a while and as such he has it down to a science. Now the pros of that are that he knows about how much work is appropriate to push us. However it felt with the class that he was there for the lecture where he tossed information at us rather quickly and then didn't really allow as much time for the material to sink in. I would recommend some system for getting a sense of whether the students are understanding the material on a weekly basis besides the labs. There is material that I am just now discovering I learned totally wrong and wasn't heavily tested on it in the lab and previous exams.

As long as I pass, all the effort and lost hours of sleep were worth it. Probably the most emotionally wracking course I've taken in a while - it felt a bit like being bipolar, with all the ups and downs.

This was an excellent course! Professor Bloomfield is great and I really enjoyed having him. The only complaint is that this is only a 3 credit class and I put more hours into it than all of my other classes combined.

1) This course is extremely valuable, but also extremely time-consuming, especially for someone moving from Java to C++ for the first time (a majority of the students). For example, Intro Chemistry (4 credits, because it is a "lab" class) looks like a complete joke when compared to the time required for this class. In my opinion, CS2150 needs to count as AT LEAST 4 or 5 credits, or the workload needs to be drastically reduced. 2) The microphone used in recording lectures clips a lot. 3) I think that the pre-labs / postlabs are disproportional to the amount of time given to complete them (pre-labs too long, postlabs too short). Maybe that was just my schedule though.

The information in this document is private and confidential. Please handle accordingly.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	There was so much learning packed into this course. The labs were a huge part of me being able to understand the material. There was a pretty steep learning curve, especially at the beginning, but it meant that I was able to learn a LOT from all of the assignments. I'm not sure who Xi Wang is... This is one of the best courses I have taken at UVa and certainly the most I have learned in any class at UVa. Professor Bloomfield is an outstanding teacher and I found myself looking forward to learning in each lecture. I was actually very happy when we learned something difficult to understand because I know there are few people in the world who can explain the material as well as Professor Bloomfield. The only content of the course I would modify is: Lab 8 (x86 part 1): One half a lecture specifically on the material in the inlab/postlab would go a long way. This was a self teach lab and I felt that aspect very difficult for these reasons: 1. Finding documentation on how these tasks work proved very difficult. 2. I started the lab having absolutely no idea how the questions about parameter passing and objects were implemented in x86. Specifically, I felt like I had no conceptual/high level grasp about what should be happening and it was very difficult to take these low level details and construct a high level understanding of what is going on. It also became especially confusing when my compiler took shortcuts in x86 that fogged/hided what should have been happening. Some of the pre-labs and post-labs were just too long. For a three credit course, I sometimes found myself working for way too many hours trying to figure out an in-lab or post-lab assignment. For the most part, this was not the case, but there were a few labs like this, particularly later in the semester. I feel that for weekly assignments, these were too long and should instead felt like weekly projects. This course was SO MUCH work but I also learned so much. Professor Bloomfield is a great teacher. I think the whole month-long focus on assembly language was absolutely overkill Too hard. I even wanted to cry when the instructor summarized all the labs during the semester in the last class. How did I survived... The professor talks so fast that this causes overflow in my brain all the time and put me into transitory sleepy status. But Prof. Bloomfield is THE best instructor I've ever seen in CS department. No harsh feelings, my other professors... BROOMFELD IS THE BOMB DIGGITY 4 LIFE no but really he's a good teacher Course was very informative and I feel like I did learn a lot. However, the course requires a huge amount of work and time. The course should be worth more than 3 credits for the amount of time spent on it. Although support requests seem effective in paper. In real life I was stuck inside the bureocracy of support requests. I tried to solve a problem by going to the professor's office but he asked me to submit a support request that was answered 5 days later. The problem could have been easily resolved the moment I went to the office but instead I had to wait for 5 days because the message was sent to the TA's and then to professor Bloomfield. Thank you soo much for posting lectures online. I only missed one or two classes. But even for the ones attended. I learn sooo much better when I can go back and pause and reflect on lectures. This literally opened my mind to how powerful online learning can be one day. I just might sign up for an online course now. Also - please make this a 4-credit class. It's a lot of work. Worth it. But still a lot. Bloomfield is the best at what he does. Please let him keep teaching this course. Forever... This was a very demanding but ultimately rewarding course. Mr. Bloomfield is a truly spectacular professor. Great course. I feel like I learned a lot, although it was a lot of work. I don't fault Prof. Bloomfield for the credit hour thing. I worked a LOT for this class, but I can also safely say that I have learned more in this class than any other class I've previously taken. Wonderful course, and Bloomfield is a friendly, approachable, funny, smart guy. I really liked this class. Bloomfield is a great professor and really knows what he is talking about. x86 was terrible and I felt like I had no ideas what was going on in that section, but I felt like as long as I put effort into the labs, I got full credit, which was nice. Tests were challenging and there is a lot of information, but it is completely do-able. Bloomfield made the material and the lectures interesting, and while there was a lot of work required, it was very worthwhile. However, this class should be 4 credits, not 3 I think this class required way too much work. It was really hard, and I knew a fair amount of C++ before even taking the class. Toooooo much homework! No life !!!!! Bloomfield was a great lecturer and taught the material very well. A LOT. I mean a LOT of work in this course, especially since it is a CS course which adds more time because you need to double your time for debugging.