

# CS 2150-103 Program & Data Representation - Fall 2012

ENGR (20980)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 18 / Enrollment: 38

Summary: CS 2150-103 Program & Data Representation - Fall 2012 (20980)	
<b>Overall Course Rating</b> CS-2150-103 Mean 4.07 CS-2150-103 Std Dev 1.11 CS-2150-103 Response Count 90	<b>Overall Instructor Rating</b> INSTRUCTOR: Bloomfield, Aaron S. Mean 4.73 Std Dev 0.53 Response Count 126
Difference from Category Mean, Expressed in Category Standard Deviations 	Difference from Category Mean, Expressed in Category Standard Deviations 
SEAS, 2000-level courses Mean 4.07 SEAS, 2000-level courses Std Dev 0.97 SEAS, 2000-level courses Response Count 12847	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 ~																																																						
<p><b>1. The course addressed technically rigorous subject matter consistent with the course objectives.</b></p> <p style="text-align: center;">Question Type: Likert</p> <p style="text-align: center;"><i>contributed by Dean of the School of Engineering and Applied Science</i></p>	<table border="1"> <thead> <tr> <th colspan="9">Results for CS-2150-103</th> </tr> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> <th>Not Applicable (NA)</th> </tr> </thead> <tbody> <tr> <td>18</td> <td>4.67</td> <td>0.59</td> <td>13 (72.22%)</td> <td>4 (22.22%)</td> <td>1 (5.56%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="9">Results for SEAS, 2000-level courses</th> </tr> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> <th>Not Applicable (NA)</th> </tr> </thead> <tbody> <tr> <td>2574</td> <td>4.40</td> <td>0.70</td> <td>1264 (49.11%)</td> <td>1123 (43.63%)</td> <td>131 (5.09%)</td> <td>39 (1.52%)</td> <td>11 (0.43%)</td> <td>6 (0.23%)</td> </tr> </tbody> </table>	Results for CS-2150-103									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	18	4.67	0.59	13 (72.22%)	4 (22.22%)	1 (5.56%)	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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<p><b>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.</b></p> <p style="text-align: center;">Question Type: Likert</p> <p style="text-align: center;"><i>contributed by Dean of the School of Engineering and Applied Science</i></p>	<table border="1"> <thead> <tr> <th colspan="9">Results for CS-2150-103, Bloomfield, Aaron S.</th> </tr> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> <th>Not Applicable (NA)</th> </tr> </thead> <tbody> <tr> <td>18</td> <td>4.50</td> <td>0.62</td> <td>10 (55.56%)</td> <td>7 (38.89%)</td> <td>1 (5.56%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="9">Results for SEAS, 2000-level courses</th> </tr> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> <th>Not Applicable (NA)</th> </tr> </thead> <tbody> <tr> <td>5534</td> <td>3.96</td> <td>1.03</td> <td>1454 (26.27%)</td> <td>1431 (25.86%)</td> <td>792 (14.31%)</td> <td>217 (3.92%)</td> <td>128 (2.31%)</td> <td>1512 (27.32%)</td> </tr> </tbody> </table>	Results for CS-2150-103, Bloomfield, Aaron S.									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	18	4.50	0.62	10 (55.56%)	7 (38.89%)	1 (5.56%)	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)	5534	3.96	1.03	1454 (26.27%)	1431 (25.86%)	792 (14.31%)	217 (3.92%)	128 (2.31%)	1512 (27.32%)
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<p><b>3. There was a reasonable level of effort expected for the credit hours received.</b></p> <p style="text-align: center;">Question Type: Likert</p> <p style="text-align: center;"><i>contributed by Dean of the School of Engineering and Applied Science</i></p>	<table border="1"> <thead> <tr> <th colspan="9">Results for CS-2150-103</th> </tr> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> <th>Not Applicable (NA)</th> </tr> </thead> <tbody> <tr> <td>18</td> <td>3.28</td> <td>1.41</td> <td>5 (27.78%)</td> <td>3 (16.67%)</td> <td>4 (22.22%)</td> <td>4 (22.22%)</td> <td>2 (11.11%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="9">Results for SEAS, 2000-level courses</th> </tr> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> <th>Not Applicable (NA)</th> </tr> </thead> <tbody> <tr> <td>2577</td> <td>4.15</td> <td>0.94</td> <td>1027 (39.85%)</td> <td>1156 (44.86%)</td> <td>194 (7.53%)</td> <td>126 (4.89%)</td> <td>65 (2.52%)</td> <td>9 (0.35%)</td> </tr> </tbody> </table>	Results for CS-2150-103									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	18	3.28	1.41	5 (27.78%)	3 (16.67%)	4 (22.22%)	4 (22.22%)	2 (11.11%)	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%)
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~ 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-2150-103								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
18	4.67	0.49	12 (66.67%)	6 (33.33%)	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)
2570	4.25	0.87	1130 (43.97%)	1020 (39.69%)	219 (8.52%)	91 (3.54%)	38 (1.48%)	72 (2.80%)

**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-2150-103								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
18	3.33	1.23	2 (11.11%)	4 (22.22%)	3 (16.67%)	2 (11.11%)	1 (5.56%)	6 (33.33%)

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%)

**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-2150-103, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
18	4.78	0.43	14 (77.78%)	4 (22.22%)	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)
5503	4.04	0.96	1432 (26.02%)	1571 (28.55%)	673 (12.23%)	160 (2.91%)	94 (1.71%)	1573 (28.58%)

**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-2150-103, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
18	4.89	0.32	16 (88.89%)	2 (11.11%)	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)
5503	4.34	0.88	2250 (40.89%)	1285 (23.35%)	481 (8.74%)	73 (1.33%)	74 (1.34%)	1340 (24.35%)

**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-2150-103, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
18	4.83	0.38	15 (83.33%)	3 (16.67%)	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)
5490	4.22	0.90	1863 (33.93%)	1462 (26.63%)	541 (9.85%)	117 (2.13%)	67 (1.22%)	1440 (26.23%)

~ 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-2150-103								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
18	4.19	0.75	6 (33.33%)	7 (38.89%)	3 (16.67%)	0 (0.00%)	0 (0.00%)	2 (11.11%)

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%)

**10. The grading policy was fair.**

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-103, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
18	4.44	0.86	11 (61.11%)	5 (27.78%)	1 (5.56%)	1 (5.56%)	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%)

**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-2150-103, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
18	4.83	0.38	15 (83.33%)	3 (16.67%)	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)
5488	4.19	0.90	1736 (31.63%)	1552 (28.28%)	526 (9.58%)	111 (2.02%)	74 (1.35%)	1489 (27.13%)

**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-2150-103, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
18	4.83	0.38	15 (83.33%)	3 (16.67%)	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)
5490	4.04	0.93	1386 (25.25%)	1441 (26.25%)	755 (13.75%)	146 (2.66%)	65 (1.18%)	1697 (30.91%)

**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-2150-103					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
18	0 (0.00%)	0 (0.00%)	2 (11.11%)	7 (38.89%)	9 (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)
2575	136 (5.28%)	892 (34.64%)	974 (37.83%)	398 (15.46%)	175 (6.80%)

~ 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-2150-103							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
18	4.83	0.38	15 (83.33%)	3 (16.67%)	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)
2571	4.27	0.89	1255 (48.81%)	926 (36.02%)	261 (10.15%)	87 (3.38%)	42 (1.63%)

**15. Overall, this was a worthwhile course.**

Question Type: Likert  
 ~  
 contributed by Office of the Provost

Results for CS-2150-103							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
18	4.72	0.46	13 (72.22%)	5 (27.78%)	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)
2569	4.25	0.93	1257 (48.93%)	899 (34.99%)	263 (10.24%)	94 (3.66%)	56 (2.18%)

**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-2150-103, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
18	4.72	0.46	13 (72.22%)	5 (27.78%)	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%)

**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-2150-103, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
18	4.50	0.71	11 (61.11%)	5 (27.78%)	2 (11.11%)	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)
5354	3.85	1.06	1778 (33.21%)	1622 (30.30%)	1581 (29.53%)	120 (2.24%)	253 (4.73%)

**18. Overall, the instructor was an effective teacher.**

Question Type: Likert  
 ~  
 contributed by Office of the Provost

Results for CS-2150-103, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
18	4.83	0.38	15 (83.33%)	3 (16.67%)	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%)

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

~  
Question Type: Short Answer

~  
contributed by Office of the Provost

Results for CS-2150-103	
Total	Individual Answers
9	See below for Individual Results

Some examination questions (UNIX pipes, Emacs shortcuts, IEEE floating point number encoding) emphasized rote memorization over a deeper understanding of the underlying concepts. While those concepts are important, the questions do a poor job of testing that, instead forcing students to memorize arbitrary information that, in practical uses, can simply be looked up.

I think this had been a GREAT class. Professor Bloomfield was always very knowledgeable, engaging, and well prepared for the course. The amount of time spent to complete the assignments was incredibly high. I understand the merit of driving us into the corner to learn significant amount of materials in a short amount of time, but that actually caused me some troubles in my other classes. Having the sequence of pre-lab, in-lab, and post-lab made the class organized, but I found it sometimes incompatible with other classes. We were given only 3 credits for this intensive class, and engineering students are expected to take at least 4 more tough classes. The sequence actually affected the learning experience in my other classes. I had to submit papers for some other classes late or couldn't pay attention to preparing tests for some other classes for doing the lab assignments. I think what made some of the labs especially hard was not entirely attributable to the pure difficulty of some data structures concepts, but to the short amount of time given and various I/O requirements enforced for quick grading. I could still finish all of the labs, including the hash table lab and the x86 labs, working at the end, but at the cost of paying no attention to other classes I was taking, or getting some points deducted for submitting the labs late. I would have had a more sensible time management if I had been given some limited number of free extensions; but I actually hope this policy to be unchanged, since, for the same amount, I do want guys taking this class in the following semesters to sufferrrrrrrr ! :) Professor Bloomfield was a great professor to have. After seeing his overflowing enthusiasm in class, I found myself surprised to find all of the hatred for staying up late until 3 am to do the homework melt down, and I really appreciated to have a learning experience under such a golden professor. The course ended up very worthwhile and instructive. A Great class!

This topic has already been addressed but... I do agree that the level of work is not one of the three credit class, but rather more of a four credit one. I don't think there is enough expendable material to cut out to make it a proper three credit course, and since making it a four credit one seems impossible I wish that at least there was some sort of warning beforehand so that I could have organized the rest of my schedule accordingly... I ended up taking purely three-but-really-four credit classes this semester and it turned into a sleepless nightmare. Loved the course itself, though. Prof Bloomfield is an energetic and engaging teacher who really knows how to teach the material.

Very difficult and time consuming course; should count for more than 3 credit hours. However, I've learned more in this one class than in all the rest during my semester. Mr. Bloomfield is very helpful, and wants you to do well in his course. You just have to spend massive amounts (minimum 12 hours/week) of time to complete all the material. Also you don't need to buy a textbook to do well, all the important readings are posted online.

This course was very difficult, but so worthwhile in the end. I didn't necessarily think that the workload was overwhelming, but I think that is mostly due to the expectations I had coming in to the class. I had heard to expect to spend about 20 hrs/week on the course, so when that was what I had to do I wasn't necessarily overwhelmed by it. There were of course a few all-nighters for pre-labs, but that's just the nature of this course. I also knew going into this course that even if it was hard it would be worth it because you end up learning A TON in the process. It was very well-taught in lecture, and putting the recorded lectures online was really helpful for studying for tests. This material could have been really dry and boring, but the way it was taught was interesting and engaging. Also, the xkcd comics were great. I know it's been said a million times before, but this course should not be 3 credits, it should definitely be 4. I'm also not really sure why there was a 5% participation section in the grade-for attendance quizzes, it's hard to expect students to show up to class every time when they know that the lectures will be posted online soon so they won't be missing any material. Also, the review sessions were very helpful for studying for the exams. Anyway, overall, a great but really really really hard course. I'm glad it's mostly over with now, but I learned a bunch. Great professor who really cares about teaching his students and wanting them to succeed and learn.

Excellent course, very useful!

Awesome.

Professor Bloomfield is one of the best professors I've ever had while at UVA. He's very passionate and knowledgeable in his field, and his lectures are always very engaging. Though this class offered many challenges, this was one of the most worthwhile courses I've ever taken. Because of the amount of time spent outside of this course in labs and projects, I highly recommend assigning 4 credit hours to this course.

Aaron does a great job at organizing course content. I got a lot out of his course. He does a good job in lecture as well, he is not a lazy professor that is averse to going through examples.