CS 2150-101 **Program & Data Representation** - Fall 2012

ENGR (17645)

INSTRUCTORS: **Bloomfield, Aaron S. (asb2t)**

Respondents: 19 / Enrollment: 33

Summary: CS 2150-101 Program & Data Representation - Fall 2012 (17645)

Overall Course Rating

CS-2150-101 Mean 3.93
CS-2150-101 Std Dev 1.30
CS-2150-101 Response Count 95

Difference from Category Mean, Expressed in Category Standard Deviations	
	-0.15

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 4.62
Std Dev 0.57
Response Count 132

Difference from Category Mean, Expressed in Category Standard Deviations	
	0.54

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. 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-2150-101

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
19	4.84	0.37	16 (84.21%)	3 (15.79%)	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)
2574	4.40	0.70	1264 (49.11%)	1123 (43.63%)	131 (5.09%)	39 (1.52%)	11 (0.43%)	6 (0.23%)

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-2150-101, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
19	4.33	0.77	9 (47.37%)	6 (31.58%)	3 (15.79%)	0 (0.00%)	0 (0.00%)	1 (5.26%)

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%)

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-2150-101

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
19	2.74	1.52	5 (26.32%)	0 (0.00%)	3 (15.79%)	7 (36.84%)	4 (21.05%)	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%)

~ 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-2150-101

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
19	4.78	0.43	14 (73.68%)	4 (21.05%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (5.26%)

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.
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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-2150-101

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
19	3.25	1.29	2 (10.53%)	3 (15.79%)	5 (26.32%)	0 (0.00%)	2 (10.53%)	7 (36.84%)

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.
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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-2150-101, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
19	4.68	0.48	13 (68.42%)	6 (31.58%)	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.
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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-2150-101, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
19	4.95	0.23	18 (94.74%)	1 (5.26%)	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.
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Question Type: Likert
~
contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-101, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
19	4.84	0.37	16 (84.21%)	3 (15.79%)	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.
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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-2150-101

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
19	3.83	0.99	4 (21.05%)	10 (52.63%)	1 (5.26%)	3 (15.79%)	0 (0.00%)	1 (5.26%)

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.
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Question Type: Likert
~
contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-101, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
19	4.26	0.65	7 (36.84%)	10 (52.63%)	2 (10.53%)	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)
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.
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Question Type: Likert
~
contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-101, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
18	4.56	0.62	11 (61.11%)	6 (33.33%)	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)
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.
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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-2150-101, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
19	4.68	0.48	13 (68.42%)	6 (31.58%)	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:
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Question Type: Multiple Choice
~
contributed by Office of the Provost

Results for CS-2150-101

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
19	0 (0.00%)	0 (0.00%)	1 (5.26%)	8 (42.11%)	10 (52.63%)

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.
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Question Type: Likert
~
contributed by Office of the Provost

Results for CS-2150-101

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
18	4.78	0.43	14 (77.78%)	4 (22.22%)	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.
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Question Type: Likert
~
contributed by Office of the Provost

Results for CS-2150-101

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
19	4.79	0.54	16 (84.21%)	2 (10.53%)	1 (5.26%)	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-2150-101, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
19	4.68	0.48	13 (68.42%)	6 (31.58%)	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.
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Question Type: Likert
~
contributed by Office of the Provost

Results for CS-2150-101, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
19	4.47	0.61	10 (52.63%)	8 (42.11%)	1 (5.26%)	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.
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Question Type: Likert
~
contributed by Office of the Provost

Results for CS-2150-101, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
19	4.74	0.45	14 (73.68%)	5 (26.32%)	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%)

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

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

19. 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-2150-101

Total	Individual Answers
13	*See below for Individual Results*

This should be a 4 credit course considering the amount of work required to do the labs.

should be a 4 credit course

Difficult class, but extremely worthwhile in the end. Additional lecturing on the specifics of x86 with regards to the post-labs for 8 and 9 would really help with actually understanding the more advanced topics of assembly rather than guessing at them. Also, this really should be a 4 credit class; hopefully that process works out for next year.

Should be a 4-credit course

This class was a lot of work, some weeks better than other. But it really helped that Professor Bloomfield really knew his stuff - the wiki was super organized, we always knew what was due and when and what was expected, and you could tell that he understood everything really well. This is a class that would most certainly be miserable and painful if Professor Bloomfield was not teaching the course but because he has it so well planned out and is so on top of everything and has an army of TA's the work is manageable and I honestly really enjoyed this class (even though there were some nights that were rough). The only suggestion I would have is maybe to give a little warning about the Huffman Coding lab (I feel like the length wasn't pre-warned like Lab 6 or 2 haha, maybe because of break). And maybe if possible for weeks with a long pre lab if the post lab could be lighter. All in all, Professor Bloomfield is a great professor of this course. For the amount of material we learned he presents in very well. Thank you for all that you taught me, it was hard but probably my favorite class this semester and I think at UVA thus far.

BROOMFELD IS THE BOMB DIGGITY

Professor Bloomfield was excellent. I had to work very hard in this course but I never felt lost. I just wish I got four credits for it.

Wonderful course! Huge workload, not enough credits, but I learned so much. Bloomfield is a great, approachable guy. Funny and very helpful. I wouldn't trade what I learned in this course for anything.

N/A

I learned a lot from this class, especially how to choose which data structures to use when implementing ADTs. I now have a deeper understanding of how and why data is represented in the way that it is than before I took this class.

Great course, worth all the effort. Learned a ton.

Great course.

Should be 4 credits. Spent more time on this class than any other class.