CS 2150-103 Program & Data Representation - Spring 2017

ENGR (17535)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 26 / Enrollment: 42

Summary: CS 2150-103 Program & Data Representation - Spring 2017 (17535)

Overall Course Rating

CS-2150-103 Mean 3.96 CS-2150-103 Std Dev 1.24 CS-2150-103 Response Count 125

SEAS, 2000-level courses Mean 4.01 SEAS, 2000-level courses Std Dev 1.04 SEAS, 2000-level courses Response Count 20529

Overall Instructor Rating

INSTRUCTOR: Bloomfield, Aaron S. Mean 4.47 Std Dev 0.82 Response Count 174

SEAS, 2000-level courses Mean 4.29 SEAS, 2000-level courses Std Dev 0.86 SEAS, 2000-level courses Response Count 31834

~ QUESTIONS AND DETAILS ~

1. The course addressed technically rigorous subject matter consistent with the course objectives.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

~ ANSWER MATRIC	ES ~
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Results for	Results for CS-2150-103										
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)			
25	4.68	0.56	18 (72.00%)	6 (24.00%)	1 (4.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)			

Results for	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)		
4105	4.37	0.74	1992 (48.53%)	1723 (41.97%)	262 (6.38%)	77 (1.88%)	23 (0.56%)	28 (0.68%)		

2. The instructor used methods other than/in addition to traditional lectures (for example, active learning, in-class problems, collaborative learning, inclass discussion) effectively in this course.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for	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)			
25	4.35	0.83	12 (48.00%)	8 (32.00%)	2 (8.00%)	1 (4.00%)	0 (0.00%)	2 (8.00%)			

Results for	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)				
4561	4.16	0.96	1912 (41.92%)	1735 (38.04%)	447 (9.80%)	241 (5.28%)	96 (2.10%)	130 (2.85%)				

3. There was a reasonable level of effort expected for the credit hours received.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for	CS-2150-1	03						
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
25	3.40	1.66	10 (40.00%)	5 (20.00%)	0 (0.00%)	5 (20.00%)	5 (20.00%)	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)	
4114	4.10	1.01	1658 (40.30%)	1707 (41.49%)	322 (7.83%)	280 (6.81%)	128 (3.11%)	19 (0.46%)	

~ QUESTIONS AND DETAILS ~ ~ ANSWER MATRICES ~ 4. The homework assignments helped Results for CS-2150-103 me learn the subject matter. Disagree (2) Agree (4) Total Mean Std Dev Strongly Neutral Strongly Not Agree (5) Disagree (3)Applicable Question Type: Likert (1) (NA) 25 4.48 0.77 8 0 15 contributed by Dean of the School of Engineering (60.00%) (32.00%)(4.00%)(4.00%)(0.00%)(0.00%)and Applied Science Results for SEAS, 2000-level courses Disagree (2) Mean Std Dev Strongly Agree (4) Total Neutral Strongly Not Disagree (1) Agree (5) Applicable (3) (NA) 80 4102 0.95 1611 457 197 4 13 1555 202 (4.92%) (4.80%) (11.14%) (1.95%)(39.27%)(37.91%)5. The textbook increased my Results for CS-2150-103 understanding of the material. Agree (4) Total Mean Std Dev Strongly Neutral Disagree Strongly Not Agree (5) Disagree (1) (3) (2)Applicable Question Type: Likert (NA) 25 3.25 1.06 contributed by Dean of the School of Engineering (8.00%) (16.00%)(28.00%)(8.00%)(4.00%)(36.00%)and Applied Science Results for SEAS, 2000-level courses Strongly Agree (5) Disagree (2) Mean Std Dev Agree (4) Strongly Disagree Total Neutral Not Applicable (3)(1) (NA) 4109 3.49 650 684 221 1.20 894 374 1286 (15.82%) (21.76%)(16.65%)(9.10%)(5.38%)(31.30%)6. The course material was well Results for CS-2150-103, Bloomfield, Aaron S organized and developed. Total Mean Std Dev Strongly Agree (4) Neutral Disagree (2) Strongly Not Disagree (1) Agree (5) (3) Applicable Question Type: Likert (NA) 4.42 0.78 0 (0.00%) 24 13 9 contributed by Dean of the School of Engineering (54.17%) (37.50%)(4.17%)(4.17%)(0.00%)and Applied Science Results for SEAS, 2000-level courses Agree (4) Std Dev Total Mean Strongly Neutral Disagree Strongly Not Agree (5) Applicable (3) (2)Disagree (1) (NA) 4535 0.96 1730 1866 500 254 103 (38.15%)(41.15%)(11.03%)(5.60%)(2.27%)(1.81%)7. The instructor was knowledgeable Results for CS-2150-103, Bloomfield, Aaron S about the subject matter. Strongly Disagree (2) Strongly Mean Std Dev Total Agree (4) Neutral Not Disagree (1) Applicable Agree (5) (3) Question Type: Likert (NA) 25 4 77 0.43 17 n n contributed by Dean of the School of Engineering (20.00%) (68.00%) (0.00%)(0.00%) (12.00%)(0.00%)and Applied Science Results for SEAS, 2000-level courses Disagree (2) Agree (4) Total Mean Std Dev Strongly Neutral Strongly Agree (5) Disagree (1) (3) Applicable (NA) 4551 4.56 0.67 2836 1365 176 37 111 (0.81%)(62.32%)(29.99%)(3.87%)(0.57%)(2.44%)8. The instructor was well prepared for Results for CS-2150-103, Bloomfield, Aaron S class. Agree (4) Std Dev Total Mean Strongly Neutral Disagree Strongly Not Applicable Agree (3) (2)Disagree Question Type: Likert (5) (1)(NA) 25 4.77 0.43 17 5 0 0 0 contributed by Dean of the School of Engineering (68.00%) (20.00%)(12.00%)(0.00%)(0.00%)(0.00%)and Applied Science Results for SEAS, 2000-level courses Std Dev Strongly Disagree Total Mean Agree (4) Neutral Strongly Not Agree (5) Disagree Applicable (3) (2) (1) (NA) 4550 4.42 0.77 2416 42 1620 273 113 (35.60%) (0.92%)(2.48%)

(53.10%)

(6.00%)

(1.89%)

~ 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)		
25	3.72	1.21	7 (28.00%)	10 (40.00%)	4 (16.00%)	2 (8.00%)	2 (8.00%)	0 (0.00%)		

Results for	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)			
4099	3.80	1.09	1041 (25.40%)	1389 (33.89%)	648 (15.81%)	314 (7.66%)	154 (3.76%)	553 (13.49%)			

10. The grading policy was fair.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for	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)			
25	3.72	1.28	9 (36.00%)	6 (24.00%)	6 (24.00%)	2 (8.00%)	2 (8.00%)	0 (0.00%)			

Results for	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)			
4551	4.15	0.89	1755 (38.56%)	1949 (42.83%)	504 (11.07%)	192 (4.22%)	66 (1.45%)	85 (1.87%)			

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	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)				
25	4.73	0.46	16 (64.00%)	6 (24.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (12.00%)				

Results for	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)	
4550	4.38	0.77	2272 (49.93%)	1759 (38.66%)	272 (5.98%)	84 (1.85%)	47 (1.03%)	116 (2.55%)	

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	Results for CS-2150-103, Bloomfield, Aaron S.									
Tota	I Mea	an S	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	
25	4.6	5	0.57	16 (64.00%)	6 (24.00%)	1 (4.00%)	0 (0.00%)	0 (0.00%)	2 (8.00%)	

Results for	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)	
4536	4.27	0.84	2019 (44.51%)	1799 (39.66%)	387 (8.53%)	136 (3.00%)	53 (1.17%)	142 (3.13%)	

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-2	2150-103				
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
25	0 (0.00%)	2 (8.00%)	1 (4.00%)	3 (12.00%)	19 (76.00%)

Results for SEAS, 2000-level courses								
Total	Less than 1	1 - 3	4 - 6	7 - 9	10 or more			
	(NA)	(NA)	(NA)	(NA)	(NA)			
4111	350	1186	1536	614	425			
	(8.51%)	(28.85%)	(37.36%)	(14.94%)	(10.34%)			

Total Mean Std Dev Strongly Agree Neutral Disagree							·		
Total Mean Std Dev Strongly Agree Neutral Disagree	~ QUESTIONS AND DETAILS ~				~ ANSWER	MATRICES ~			
Agree (4) (3) (2) Desagre Courribated by Office of the Pronost 24	14. I learned a great deal in this course.	Results for	CS-2150-103	3					
24	~	Total	Mean	Std Dev	Agree			Disagree (2)	Strongly Disagree (1)
Total Mean Std Dev Strongly Agree	controlled by Office of the Frovosi	24	4.54	0.72					0 (0.00%)
15. Overall, this was a worthwhile course. 25 4.44 0.82 15 17.00 28.000 18.00		Results for	SEAS, 2000-	level courses					
15. Overall, this was a worthwhile course. Question Type: Likert Questio		Total	Mean	Std Dev	Agree				Strongly Disagree (1)
Total Mean Std Dev Strongly Agree (3) Disagree Strongly Agree (4) (3) (4,00%) (28,00%) (28,00%) (4,00%)		4103	4.18	0.91	1750				
Total Mean Sid Dev Strongly Agree (3) (3) Disagree Disagree (6) (5) (6,00%) (2,8,00%) (2,8,00%) (4,00%) (4,00%) (0,00%) (2,00%) (4,00%)	15. Overall, this was a worthwhile	Results for	CS-2150-103	}					
25	~				Agree			Disagree (2)	Strongly Disagree (1)
Total Mean Std Dev Strongly Agree	contributed by Office of the Provost	25	4.44	0.82	15				
Total Mean Std Dev Strongly Agree		Results for	SEAS. 2000-	level courses					
6. The course's goals and requirements were defined and adhered to by the instructor. Question Type: Likert contributed by Office of the Provost 17. The instructor was approachable and made himself/herself available to students outside the classroom. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Overall, the instructor was an effective teacher. Question Type: Likert contributed by Office of the Provost 18. Ove			,					Disagree (2)	Strongly Disagree (1)
Total Mean Std Dev Strongly Agree (4) (3) Disagree (2) Disagree (2) Disagree (2) Disagree (3) Disagree (4) Disagree Disagree (4) Disagree Di		4103	4.13	0.97	1727				· ` ′
Contributed by Office of the Provost 25	16. The course's goals and requirements	Results for	CS-2150-103	, Bloomfield,	Aaron S.				
25		Total	Mean	Std Dev	Agree	Agree (4)		Disagree (2)	Strongly Disagree (1)
Total Mean Std Dev Strongly Agree (4) (3) Disagree Disagree (4) (3) Disagree Disagree (4) (3) Disagree Disagree (4) (3) Disagree (4) D	~	25	4.48	0.51					
Agree Agre		Results for	SEAS, 2000-	level courses					
Results for CS-2150-103, Bloomfield, Aaron S. Total Mean Std Dev Strongly Agree (4) (3) (2) Disagree (5) (5) (6,67%) (1.56%) (0.75%)		Total	Mean	Std Dev	Agree			Disagree (2)	Strongly Disagree (1)
Total Mean Std Dev Strongly Agree (4) (3) Disagree (2) Disagree (1) Disagree (1) Disagree (2) Disagree (3) Disagree (4) Disagree (4) Disagree (4) Disagree (4) Disagree (5) Disagree (4) Disagree (5) Disagree (4) Disagree (5) Disagree (5) Disagree (4) Disagree (5) Disagree (5) Disagree (5) Disagree (5) Disagree (5) Disagree (5) Disagree (4) Disagree (5) Disagree (6) Disagree (6) Disagree (7) Disagree (7) Disagree (8) Disagree (4540	4.32	0.73					34 (0.75%)
Students outside the classroom. Question Type: Likert 25 4.28 0.84 12 9 3 1 0 (4.00%) (12.00%) (4.00%) (10.00%) (17. The instructor was approachable	Results for	CS-2150-103	, Bloomfield,	Aaron S.				
Results for SEAS, 2000-level courses	students outside the classroom.	Total	Mean	Std Dev	Agree	Agree (4)			Strongly Disagree (1)
Total Mean Std Dev Strongly Agree (4) (3) Disagree (5) Disagree (5) (1) 4547 4.34 0.78 2250 1760 412 91 34 (49.48%) (38.71%) (9.06%) (2.00%) (2.00%) (0.75%) 18. Overall, the instructor was an effective teacher. Question Type: Likert Contributed by Office of the Provost Disagree (5) Disagree (5) Disagree (5) Disagree (6) Disagree (7) Disagree (7) 25 4.48 0.59 13 11 1 0 0 0 (52.00%) (44.00%) (4.00%) (4.00%) Disagree (7) Disagree (7) (1) 25 4.48 Disagree (7) Disagree (8) Disagree (9) Disagree (1) (1) Disagree (1) Disagree (1) Disagree (1) Disagree (1) Disagree (1) (2) Disagree (1) Disagree (1) Disagree (1) Disagree (1) (3) Disagree (1) Disagre	~	25	4.28	0.84					0 (0.00%)
Agree (4) (3) (2) Disagree (5)		Results for	SEAS, 2000-	level courses					
Results for CS-2150-103, Bloomfield, Aaron S. Total Mean Std Dev Strongly Agree (4) (3) (2) Disagree (1) Contributed by Office of the Provost Results for CS-2150-103, Bloomfield, Aaron S. Total Mean Std Dev Strongly Agree (4) (3) (2) Disagree (1) (1) (2) Disagree (3) (44.00%) (44.00%) (40.00%) (40.00%) (0.00%)		Total	Mean	Std Dev	Agree			Disagree (2)	Strongly Disagree (1)
Total Mean Std Dev Strongly Agree (4) (3) Disagree (1) Disagree (1) Disagree (2) Disagree (1) Disagree (2) Disagree (3) Disagree (4) Disagree (4) Disagree (5) Disagree (1) Disagree (1) Disagree (2) Disagree (3) Disagree (4) Disagree (4) Disagree (4) Disagree (5) Disagree (5) Disagree (5) Disagree (5) Disagree (6) Disagree (6) Disagree (7) Disagree (8) Disagree Di		4547	4.34	0.78				91 (2.00%)	34 (0.75%)
## Contributed by Office of the Provost Total Mean Std Dev Strongly Agree (5) Agree (4) (3) Disagree (1) Disagree (2) Disagree (3) Disagree (5) Di		Results for	CS-21 <u>50-1</u> 03	, Bloomfield,	Aaron <u>S.</u>				
25 4.48 0.59 13 11 1 0 0 (0.00%)	~			<u> </u>	Strongly Agree			Disagree (2)	Strongly Disagree (1)
Total Mean Std Dev Strongly Agree (4) (3) Disagree Strongly Disagree (5) (1) 4560 4.22 0.93 2094 1729 469 168 100	contributed by Office of the Provost	25	4.48	0.59	13	11 (44.00%)			
Total Mean Std Dev Strongly Agree (4) (3) Disagree Strongly Disagree (5) (1) 4560 4.22 0.93 2094 1729 469 168 100		Results for	SEAS, 2000-	level courses					
4560 4.22 0.93 2094 1729 469 168 100					Strongly Agree (5)				Strongly Disagree (1)
		4560	4.22	0.93	2094				· ` ′

~ QUESTIONS AND DETAILS ~		~ ANSWER MATRICES ~					
19. Please make any overall comments	Results for CS-2150-103						
or observations about this course:	Total	Individual Answers					
Question Type: Short Answer	15 See below for Individual Results						
contributed by Office of the Provost							
	I did the other survey about Floryan. I didn't have Bloomfield.						
	I have the strangest feeling of Deja Vu didn't I already do this? It's kind of annoying that there's to course evaluations Regardless, this was a really good class. 10/10, would recommend.						
	This class was super hard! The assignments could seem very daunting but they weren't impossible. Bloomfield was an exceptional professor and was very helpful and patient during office hours. He's probably the best professor I've had since Professor Morris (from the APMA department). **OUR LAB TAS WERE AMAZING!!!!!!!!!!*						
	The TAs for my lab section (12:30-1:45) were great! I cannot thank them enough for all of the help they have given me throughout the semester.						
	I didn't like how harshly the exams were graded. Being a transfer student, I felt as if it wasn't done in the UVa way then it was considered wrong, even if it was valid						
	I have never met Bloomfield cause I had Floryan. But the labs were good as far as teaching me the subject. I do however think they were over the top and sometimes unfair in their length. Why did we need to do a DoxyFile? That tutorial was not specific and as a student with a Mac it was almost impossible.						
	not having a textbook for this class was a good move. many of the tutorials were very poorly v						
		nto personal difficulties midway through the semester. Professor Bloomfield worked on me on track with my work for the class and was very understanding. Thank you!					
	Very helpful in o leave.	office hours. Always makes sure students understand what he means before they					
		the practice exams. Add color to the lab documents to make them more readable. ragraphs into bullet points.					
	Need more cred	dit for work load for this course.					
		se should definitely be worth more credits. The labs each week took a ton of time but d me learn the material much better.					
	Do away with IE	3CM, it isn't useful after college and we could just spend more time on x86					
	The course is fu	ull of knowledge and worthy to learn!					
	most difficult cla	ost I've learned out of any class I've taken so far (rising 3rd year), but also one of the asses. Grading policy was rather tight on the tests and the spike in difficulty on some enormous. All in all, a great class, but could be done with a little more leeway in					