CS 2150-106 Program & Data Representation - Spring 2017

ENGR (18580)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 18 / Enrollment: 41

Summary: CS 2150-106 Program & Data Representation - Spring 2017 (18580)

Overall Course Rating

CS-2150-106 Mean 4.07 CS-2150-106 Std Dev 1.20 CS-2150-106 Response Count 90

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 4.43 Std Dev 0.83 Response Count 126

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

~ A	NS	WER	MAT	RIC	ES ~
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Res	Results for CS-2150-106										
7	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
	18	4.72	0.46	13 (72.22%)	5 (27.78%)	0 (0.00%)	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 CS-2150-106, Bloomfield, Aaron S.										
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
18	4.20	1.01	8 (44.44%)	3 (16.67%)	3 (16.67%)	1 (5.56%)	0 (0.00%)	3 (16.67%)		

R	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-2150-106										
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
18	3.39	1.58	6 (33.33%)	5 (27.78%)	0 (0.00%)	4 (22.22%)	3 (16.67%)	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)			
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-2150-106 me learn the subject matter. Agree (4) Total Mean Std Dev Strongly Neutral Disagree Strongly Not Agree (5) (2)Disagree (3)Applicable Question Type: Likert (1) (NA) 18 4.59 0.51 10 0 0 0 contributed by Dean of the School of Engineering (55.56%) (38.89%) (0.00%)(0.00%)(5.56%) (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-2150-106 understanding of the material. Agree (4) Total Mean Std Dev Strongly Neutral Disagree Strongly Not Agree (5) Disagree (1) (3) Applicable Question Type: Likert (NA) 18 2.60 1.67 2 contributed by Dean of the School of Engineering (5.56%)(0.00%)(11.11%)(0.00%)(11.11%)(72.22%)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-2150-106, 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) 0 (0.00%) 18 4.54 0.66 8 4 0 contributed by Dean of the School of Engineering (44.44%) (22.22%)(5.56%)(0.00%)(27.78%)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-2150-106, 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) 4 77 0.60 n 18 11 contributed by Dean of the School of Engineering (61.11%) (5.56%) (5.56%)(0.00%) (27.78%)(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-2150-106, 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) 18 4.75 0.62 10 1 0 0 6 1 contributed by Dean of the School of Engineering (55.56%)(5.56%)(5.56%)(0.00%)(0.00%)(33.33%)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)

0.77

2416

(53.10%)

1620

(35.60%)

273

(6.00%)

(1.89%)

42

(0.92%)

113

(2.48%)

4.42

4550

~ 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-2150-106										
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
18	4.00	0.94	4 (22.22%)	11 (61.11%)	1 (5.56%)	0 (0.00%)	1 (5.56%)	1 (5.56%)		

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 CS-2150-106, Bloomfield, Aaron S.										
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
18	4.06	1.00	6 (33.33%)	7 (38.89%)	1 (5.56%)	2 (11.11%)	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)	
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-2150-106, Bloomfield, Aaron S.											
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)				
18	4.31	0.95	7 (38.89%)	4 (22.22%)	1 (5.56%)	1 (5.56%)	0 (0.00%)	5 (27.78%)				

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)		
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 for CS-2150-106, 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	0.65	8 (44.44%)	5 (27.78%)	1 (5.56%)	0 (0.00%)	0 (0.00%)	4 (22,22%)		

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-2150-106										
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)					
18	0 (0.00%)	1 (5.56%)	5 (27.78%)	5 (27.78%)	7 (38.89%)					

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%)				

~ QUESTIONS AND DETAILS ~				~ ANSWER	MATRICES ~			
14. I learned a great deal in this course.	Results for	CS-2150-106	:					
Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
contributed by Office of the Provost	18	4.61	0.78	13 (72.22%)	4 (22.22%)	0 (0.00%)	1 (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)
	4103	4.18	0.91	1750 (42.65%)	1673 (40.78%)	423 (10.31%)	188 (4.58%)	69 (1.68%)
15. Overall, this was a worthwhile	Results for	CS-2150-106	6					
course. ~ Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
contributed by Office of the Provost	18	4.56	0.62	11 (61.11%)	6 (33.33%)	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)
	4103	4.13	0.97	1727 (42.09%)	1575 (38.39%)	492 (11.99%)	216 (5.26%)	93 (2.27%)
16. The course's goals and requirements	Results for	CS-2150-106	6, Bloomfield, <i>i</i>	Aaron S.				
were defined and adhered to by the instructor.	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
Question Type: Likert contributed by Office of the Provost	18	4.28	1.07	10 (55.56%)	5 (27.78%)	2 (11.11%)	0 (0.00%)	1 (5.56%)
	Results for	SEAS, 2000-	level courses					
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
	4540	4.32	0.73	1985 (43.72%)	2147 (47.29%)	303 (6.67%)	71 (1.56%)	34 (0.75%)
17. The instructor was approachable	Results for	CS-2150-106	6, Bloomfield, a	Aaron S.				
and made himself/herself available to students outside the classroom.	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
Question Type: Likert contributed by Office of the Provost	18	3.78	1.26	6 (33.33%)	6 (33.33%)	4 (22.22%)	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)
	4547	4.34	0.78	2250 (49.48%)	1760 (38.71%)	412 (9.06%)	91 (2.00%)	34 (0.75%)
18. Overall, the instructor was an	Results for	CS-2 <u>150-10</u> 6	5, Bloomfield, <i>i</i>	Aaron S.				
effective teacher. Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
contributed by Office of the Provost	18	4.00	1.19	8 (44.44%)	5 (27.78%)	3 (16.67%)	1 (5.56%)	1 (5.56%)
	Results for	SEAS, 2000-	level courses					
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
	4560	4.22	0.93	2094 (45.92%)	1729 (37.92%)	469 (10.29%)	168 (3.68%)	100 (2.19%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~					
19. Please make any overall comments	Results for CS-2150-106					
or observations about this course:	Total Individual Answers					
Question Type: Short Answer	10	See below for Individual Results				
contributed by Office of the Provost						
	I had Floryan					
	I didn't have Bloomfield, but Floryan was great. This course is one of the most valuable thus far at UVA. The work load was extremely demanding though. And while it was or course did jump around from topic to topic a lot. I feel very prepared moving into my n					
	a lot of work					
	I didn't have Bloomfield for the labs. I had TAs					
	The recording. Please change. My ears are going deaf from all your walking around. And be nicer to students. I feel hated.					
	Too much work	, else increase credits.				
	Most time and e	effort I've ever put into a class, also the best class I've taken at UVA:)				
	This class was extremely worthwhile to take. My programming skills have definitely improved significantly.					
	Bloomfield only lectured in my class once, so that's why all the neutrals.					
	Learned a lot bu	ut sometimes too much work				