CS 2150-102 Program & Data Representation - Fall 2016

ENGR (17399)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 13 / Enrollment: 27

Summary: CS 2150-102 Program & Data Representation - Fall 2016 (17399)

Overall Course Rating

CS-2150-102 Mean 3.98 CS-2150-102 Std Dev 1.14 CS-2150-102 Response Count 65

SEAS, 2000-level courses Mean 4.04 SEAS, 2000-level courses Std Dev 1.01 SEAS, 2000-level courses Response Count 16316 **Overall Instructor Rating**

INSTRUCTOR: Bloomfield, Aaron S. Mean 4.39 Std Dev 0.74 Response Count 91

SEAS, 2000-level courses Mean 4.26 SEAS, 2000-level courses Std Dev 0.88 SEAS, 2000-level courses Response Count 23269

~ 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

~ AN	SWER	MATRI	ICES ~
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Results for CS-2150-102											
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)			
13	4.62	0.65	9 (69.23%)	3 (23.08%)	1 (7.69%)	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)			
3263	4.38	0.72	1578 (48.36%)	1403 (43.00%)	185 (5.67%)	56 (1.72%)	19 (0.58%)	22 (0.67%)			

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-2150-102, Bloomfield, Aaron S.											
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)				
13	4.09	0.70	3 (23.08%)	6 (46.15%)	2 (15.38%)	0 (0.00%)	0 (0.00%)	2 (15.38%)				

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)			
3328	4.08	1.03	1337 (40.17%)	1229 (36.93%)	373 (11.21%)	184 (5.53%)	108 (3.25%)	97 (2.91%)			

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-2150-102											
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)			
13	3.08	1.44	3 (23.08%)	2 (15.38%)	3 (23.08%)	3 (23.08%)	2 (15.38%)	0 (0.00%)			

ı	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)		
	3267	4.11	1.02	1332 (40.77%)	1365 (41.78%)	237 (7.25%)	202 (6.18%)	116 (3.55%)	15 (0.46%)		

~ QUESTIONS AND DETAILS ~ ~ ANSWER MATRICES ~ 4. The homework assignments helped Results for CS-2150-102 me learn the subject matter. Agree (4) Total Mean Std Dev Strongly Neutral Disagree Strongly Not Agree (2)Disagree (3)Applicable Question Type: Likert (5) (1) (NA) 13 4.62 0.65 0 0 0 contributed by Dean of the School of Engineering (69.23%) (23.08%) (7.69%)(0.00%)(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) Applicable Agree (5) (3) (NA) 3260 4.25 0.86 1394 1239 36 175 304 112 (3.44%) (9.33%)(42.76%)(38.01%)(1.10%)(5.37%)5. The textbook increased my Results for CS-2150-102 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) 13 3.00 1.22 2 contributed by Dean of the School of Engineering (0.00%)(15.38%)(15.38%)(0.00%)(7.69%)(61.54%)and Applied Science Results for SEAS, 2000-level courses Strongly Agree (5) Agree (4) Disagree (2) Mean Std Dev Strongly Disagree Total Neutral Not Applicable (3)(1) (NA) 3264 3.52 689 1.13 567 928 343 156 581 (17.37%)(28.43%)(21.11%)(10.51%)(4.78%)(17.80%)6. The course material was well Results for CS-2150-102, 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) 0.70 2 (15.38%) 0 (0.00%) 13 4.60 0 3 contributed by Dean of the School of Engineering (53.85%) (7.69%)(0.00%)(23.08%)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) 3317 0.96 1307 1315 373 206 60 56 (39.40%)(39.64%)(11.25%)(6.21%)(1.81%)(1.69%)7. The instructor was knowledgeable Results for CS-2150-102, 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) 13 4.60 0.70 n n contributed by Dean of the School of Engineering (15.38%) (53.85%)(7.69%)(0.00%) (23.08%)(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) 2044 3324 4.57 0.65 1025 115 95 (0.39%)(0.96%)(61.49%)(30.84%)(3.46%)(2.86%)8. The instructor was well prepared for Results for CS-2150-102, Bloomfield, Aaron S class. Agree (4) Total Mean Std Dev Strongly Neutral Disagree Strongly Not Applicable Agree (3) (2)Disagree Question Type: Likert (5) (1)(NA) 13 4.50 0.71 3 1 0 0 contributed by Dean of the School of Engineering (46.15%) (23.08%)(23.08%)(7.69%)(0.00%)(0.00%)and Applied Science Results for SEAS, 2000-level courses Std Dev Strongly Neutral Disagree Total Mean Agree (4) Strongly Not Disagree (1) Agree (5) Applicable (3) (2) (NA) 3325 0.76 1713 1238 27

(51.52%)

(37.23%)

194

(5.83%)

(1.80%)

93

(2.80%)

(0.81%)

4.41

~ 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-2150-102										
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
13	4.00	0.60	2 (15.38%)	8 (61.54%)	2 (15.38%)	0 (0.00%)	0 (0.00%)	1 (7.69%)		

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)			
3262	3.81	1.09	813 (24.92%)	1066 (32.68%)	481 (14.75%)	254 (7.79%)	115 (3.53%)	533 (16.34%)			

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-2150-102, Bloomfield, Aaron S.											
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)				
13	3.82	0.75	2 (15.38%)	5 (38.46%)	4 (30.77%)	0 (0.00%)	0 (0.00%)	2 (15.38%)				

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)			
3326	4.10	0.91	1217 (36.59%)	1455 (43.75%)	385 (11.58%)	168 (5.05%)	54 (1.62%)	47 (1.41%)			

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-2150-102, Bloomfield, Aaron S.											
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)				
13	4.60	0.70	7 (53.85%)	2 (15.38%)	1 (7.69%)	0 (0.00%)	0 (0.00%)	3 (23.08%)				

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)	
3328	4.34	0.82	1626 (48.86%)	1246 (37.44%)	227 (6.82%)	93 (2.79%)	37 (1.11%)	99 (2.97%)	

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-2150-102, Bloomfield, Aaron S.										
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
13	4.60	0.70	7 (53.85%)	2 (15.38%)	1 (7.69%)	0 (0.00%)	0 (0.00%)	3 (23.08%)		

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)	
3321	4.23	0.88	1437 (43.27%)	1293 (38.93%)	334 (10.06%)	99 (2.98%)	54 (1.63%)	104 (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-2150-102										
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)					
13	0 (0.00%)	0 (0.00%)	1 (7.69%)	6 (46.15%)	6 (46.15%)					

Results for SEAS, 2000-level courses									
Total	Less than 1	1 - 3	4 - 6	7 - 9	10 or more				
	(NA)	(NA)	(NA)	(NA)	(NA)				
3270	202	850	1360	545	313				
	(6.18%)	(25.99%)	(41.59%)	(16.67%)	(9.57%)				

~ QUESTIONS AND DETAILS ~				~ ANSWER I	MATRICES ~			
14. I learned a great deal in this course.	Results for	CS-2150-103)					
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	13	4.69	0.63	10 (76.92%)	2 (15.38%)	1 (7.69%)	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)
	3257	4.22	0.89	1459 (44.80%)	1290 (39.61%)	320 (9.82%)	144 (4.42%)	44 (1.35%)
15. Overall, this was a worthwhile	Results for	CS-2150-102	2					
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	12	4.75	0.62	10 (83.33%)	1 (8.33%)	1 (8.33%)	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)
	3257	4.12	0.98	1391 (42.71%)	1201 (36.87%)	411 (12.62%)	177 (5.43%)	77 (2.36%)
16. The course's goals and requirements	Results for	CS-2150-102	2, 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	13	4.46	0.66	7 (53.85%)	5 (38.46%)	1 (7.69%)	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)
	3314	4.33	0.72	1491 (44.99%)	1519 (45.84%)	238 (7.18%)	48 (1.45%)	18 (0.54%)
17. The instructor was approachable	Results for	CS-2150-102	2, Bloomfield, <i>i</i>	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	13	4.23	0.73	5 (38.46%)	6 (46.15%)	2 (15.38%)	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)
	3316	4.29	0.85	1609 (48.52%)	1221 (36.82%)	361 (10.89%)	89 (2.68%)	36 (1.09%)
18. Overall, the instructor was an	Results for	CS-2 <u>150-102</u>	2, 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	13	4.31	0.75	6 (46.15%)	5 (38.46%)	2 (15.38%)	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)
	3324	4.17	0.98	1494 (44.95%)	1214 (36.52%)	388 (11.67%)	136 (4.09%)	92 (2.77%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~					
19. Please make any overall comments	Results for CS-2150-102					
or observations about this course:	Total	Individual Answers				
Question Type: Short Answer	5	See below for Individual Results				
contributed by Office of the Provost						
	undeniably known his students and each assignment wasted, just a learn were challenging though once or example. But not and accordingly necessary evil and accordingly necessary evil and according was a second with the least, on the other than I would just would just use a second waste of the control of th	fantastic, if only slightly sadistic, professor. He's an engaging and effective lecturer, ws the course material better than any, and was incredibly amicable and responsive to d highly receptive to any questions. As much as I'd like to complain about the work, nt was as rewarding and instructive as it was difficult. There's no busywork, no time of to learn. And learn you do. This class will force feed you a better work ethic. Tests up but certainly fair, with no real surprises or twists. Grading on labs is usually fair, twice it seemed a little harsh - 1 or 2 points of 10 for a nearly-functional prelab, for concerteless, Bloomfield is incredibly fair, knows that he's asking a lot of his students, or does everything in his power to make that work more digestible. This class is a which, upon its conclusion, leaves the student significantly more knowledgeable and the beginning of the semester. The eredits pls. The midterm exams together as a class not by lab section abs made me learn a great deal about c++ and the corresponding data structures. The ner hand, were basically trivial pursuit. I missed some questions on some of the exams tookup if I needed to know, like the number of bits in the exponent of a double, or I a calculator, like converting a double to hexadecimal. The number of bits in the exponent of a double, or I are calculator, like converting a double to hexadecimal.				