CS 2150-103 Program & Data Representation - Spring 2016

ENGR (17474)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 25 / Enrollment: 44

Summary: CS 2150-103 Program & Data Representation - Spring 2016 (17474)

Overall Course Rating

CS-2150-103 Mean 4.15 CS-2150-103 Std Dev 1.10 CS-2150-103 Response Count 119

Difference from Category Mean, Expressed in Category Standard Deviations

• 0.10

Overall Instructor Rating

INSTRUCTOR: Bloomfield, Aaron S. Mean 4.60

Std Dev 0.69 Response Count 164

Difference from Category Mean, Expressed in Category Standard Deviations

----0.41

SEAS, 2000-level courses Mean 4.05 SEAS, 2000-level courses Std Dev 1.00

SEAS, 2000-level courses Response Count 16344

SEAS, 2000-level courses Mean 4.24 SEAS, 2000-level courses Std Dev 0.89

SEAS, 2000-level courses Response Count 23150

~ 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 MATRICES ~

Results for CS-2150-103								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
24	4.74	0.45	17 (70.83%)	6 (25.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (4.17%)

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)
3272	4.38	0.72	1590 (48.59%)	1389 (42.45%)	213 (6.51%)	38 (1.16%)	23 (0.70%)	19 (0.58%)

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-2150-103, Bloomfield, Aaron S.									
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	
23	4.33	0.97	11 (47.83%)	8 (34.78%)	1 (4.35%)	0 (0.00%)	1 (4.35%)	2 (8.70%)	

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)
3312	4.06	1.01	1289 (38.92%)	1237 (37.35%)	411 (12.41%)	213 (6.43%)	83 (2.51%)	79 (2.39%)

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-2150-103									
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	
24	3.43	1.44	8 (33.33%)	4 (16.67%)	3 (12.50%)	6 (25.00%)	2 (8.33%)	1 (4.17%)	

Results for	SEAS, 200	0-level cou	rses					
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
3267	4.09	1.00	1294 (39.61%)	1392 (42.61%)	265 (8.11%)	204 (6.24%)	104 (3.18%)	8 (0.24%)

Not

Applicable

(NA)

(4.17%)

Not

Applicable

(NA)

193

(5.91%)

Not

Applicable

(NA)

(60.87%)

Not Applicable

(NA)

1132

(34.64%)

Not

Applicable

(NA)

1 (4.35%)

Not

Applicable

(NA)

48

(1.45%)

Not

Applicable

(NA)

(4.17%)

Applicable (NA)

(2.08%)

Not Applicable

(NA)

(4.35%)

Not

Applicable

(NA)

60

(1.82%)

~ QUESTIONS AND DETAILS ~ ~ ANSWER MATRICES ~ 4. The homework assignments helped Results for CS-2150-103 me learn the subject matter. Agree (4) Total Mean Std Dev Strongly Neutral Disagree Strongly Agree (5) (2)Disagree (3)Question Type: Likert (1) 24 4.78 0.42 18 0 0 0 contributed by Dean of the School of Engineering (20.83%)(0.00%)(0.00%)(75.00%)(0.00%)and Applied Science Results for SEAS, 2000-level courses Disagree (2) Mean Std Dev Strongly Agree (4) Total Neutral Strongly Disagree (1) Agree (5) (3) 1278 (39.14%) 3265 4 17 0.91 1286 54 318 136 (1.65%) (39.39%)(9.74%)(4.17%)5. The textbook increased my Results for CS-2150-103 understanding of the material. Agree (4) Total Mean Std Dev Strongly Neutral Disagree Strongly Agree (5) Disagree (1) (3) Question Type: Likert 23 3.22 1.30 contributed by Dean of the School of Engineering (8.70%) (4.35% (17.39%)(4.35%)(4.35%)and Applied Science Results for SEAS, 2000-level courses Strongly Agree (5) Disagree (2) Mean Std Dev Agree (4) Strongly Disagree Total Neutral (3)(1) 3268 3.55 487 548 138 1.15 718 245 (14.90%)(21.97%)(16.77%)(7.50%)(4.22%)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 Disagree (1) Agree (5) (3) Question Type: Likert 4.73 0 (0.00%) 23 0.55 17 0 contributed by Dean of the School of Engineering (73.91%) (17.39%)(4.35%)(0.00%)and Applied Science Results for SEAS, 2000-level courses Agree (4) Std Dev Total Mean Strongly Neutral Disagree Strongly Agree (5) (3) (2)Disagree (1) 3310 4.03 1.01 1205 1358 231 89 (36.40%)(41.03%)(11.45%)(6.98%)(2.69%)7. The instructor was knowledgeable Results for CS-2150-103, Bloomfield, Aaron S about the subject matter. Strongly Disagree (2) Strongly Mean Std Dev Neutral Total Agree (4) Disagree (1) Agree (5) (3) Question Type: Likert 20 (83.33%) 4.87 0.34 3 n n 24 contributed by Dean of the School of Engineering (12.50%) (0.00%)(0.00%) (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) 3310 4.55 0.68 2032 1025 133 21 (0.91%)(61.39%)(30.97%)(4.02%)(0.63%)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 Agree (3) (2)Disagree Question Type: Likert (5) (1)23 4.82 0.50 19 2 1 0 0 contributed by Dean of the School of Engineering

Std Dev

0.83

(8.70%)

Agree (4)

1190

(36.01%)

(82.61%)

Strongly

Agree (5)

1673

(50.62%)

(4.35%)

Neutral

(3)

257

(7.78%)

(0.00%)

Disagree

(2)

(2.54%)

(0.00%)

Strongly

Disagree (1)

41

(1.24%)

Results for SEAS, 2000-level courses

Mean

4.35

Total

3305

and Applied Science

~ 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	Results for CS-2150-103										
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)			
24	4.00	0.85	7 (29.17%)	10 (41.67%)	5 (20.83%)	1 (4.17%)	0 (0.00%)	1 (4.17%)			

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)	
3272	3.85	1.05	854 (26.10%)	1198 (36.61%)	490 (14.98%)	235 (7.18%)	104 (3.18%)	391 (11.95%)	

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)
	24	4.35	0.65	10 (41.67%)	11 (45.83%)	2 (8.33%)	0 (0.00%)	0 (0.00%)	1 (4.17%)

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)	
3311	4.12	0.90	1224 (36.97%)	1466 (44.28%)	377 (11.39%)	158 (4.77%)	49 (1.48%)	37 (1.12%)	

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)			
23	4.59	0.73	16 (69.57%)	3 (13.04%)	3 (13.04%)	0 (0.00%)	0 (0.00%)	1 (4.35%)			

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)	
3303	4.36	0.78	1597 (48.35%)	1328 (40.21%)	199 (6.02%)	75 (2.27%)	29 (0.88%)	75 (2.27%)	

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	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)	
24	4.52	0.79	15 (62.50%)	6 (25.00%)	1 (4.17%)	1 (4.17%)	0 (0.00%)	1 (4.17%)	

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)
3299	4.23	0.87	1417 (42.95%)	1290 (39.10%)	334 (10.12%)	119 (3.61%)	40 (1.21%)	99 (3.00%)

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)				
24	24 0 (0.00%)		6 (25.00%)	7 (29.17%)	10 (41.67%)				

Results for SEAS, 2000-level courses									
Total	Less than 1	1 - 3	4 - 6	7 - 9	10 or more				
	(NA)	(NA)	(NA)	(NA)	(NA)				
3272	237	1150	1191	413	281				
	(7.24%)	(35.15%)	(36.40%)	(12.62%)	(8.59%)				

Total Mean Std Dev Agrice Mexical Clinicagene Design									
Total Mean Std Dev Agrice Mexical Clinicagene Design	~ QUESTIONS AND DETAILS ~				~ ANSWER	MATRICES ~			
Agree (4) (3) (2) Daagree Course Cours	14. I learned a great deal in this course.	Results for	CS-2150-103						
24 4.71 0.46 7733% (2917%) 0.000% 0.000% 0.000% 0.000%	~	Total	Mean	Std Dev	Agree			Disagree (2)	Strongly Disagree (1)
Total Mean Sid Dev Strongly Agree Agree Sid Dev Strongly Agree Agree Sid Dev Strongly Agree Agree Sid Dev Agree Sid Dev Strongly Agree Agree Sid Dev Strongly Strongly Sid Dev Strongly Strongly Sid Dev Strongly	contributea by Office of the Provost	24	4.71	0.46					0 (0.00%)
15. Overall, this was a worthwhile course. 3261 4.19 0.89 1379 1344 332 1344 47 47 47 47 47 47 47		Results for	SEAS, 2000-	level courses					
3261 4.19 0.89 1329 1349 3362 1344 47 (1.47%)		Total	Mean	Std Dev	Agree				Strongly Disagree (1)
Total Mean Std Dev Strongly Agree Neutral Disagree Strongly Course Contributed by Office of the Provost		3261	4.19	0.89			352 (10.79%)		
Total Mean Std Dev Strongly Agree (4) (3) (2) (3) (2) (3) (2) (3	15. Overall, this was a worthwhile	Results for	CS-2150-103						
24	~				Agree			Disagree (2)	Strongly Disagree (1)
Total Mean Std Dev Strongly Agree (4) (3) Disagree (5) C(2) Disagree (5) (1) C(2) Disagree (5) C(2)	contributed by Office of the Provost	24	4.62	0.49	15				
Total Mean Std Dev Strongly Agree (4) (3) Disagree (5) C(2) Disagree (5) (1) C(2) Disagree (5) C(2)		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 Results for SEAS, 2000-level courses Total Mean Std Dev Strongly Agree (4) (3) (2) (1)			· ·					Disagree (2)	Strongly Disagree (1)
Total Mean Std Dev Strongly Agree (4) (3) (2) Disagree (2) Disagree (3) (2) Disagree (4) (3) (4) Disagree (4) Disagree (4) (4) Disagree (4) (4) Disagree (4)		3257	4.12	0.97	1341				· · · ·
17. The instructor was approachable and made himself/herself available to students outside the classroom. Question Type: Likert 24 4.62 0.65 17 5 2 0 0.00% (0.00% 0.00% 0.00% (0.00% 0.00% 0.00% 0.00% (0.00% 0	6. The course's goals and requirements	Results for	CS-2150-103	, Bloomfield,	Aaron S.				
24		Total	Mean	Std Dev	Agree	Agree (4)		Disagree (2)	Strongly Disagree (1)
Total Mean Std Dev Strongly Agree (4) (3) Disagree C2 Disagree C3 Disagree C3 Disagree C3 Disagree C4 C3 Disagree C3 Disagree C4 C4 C4 C4 C4 C4 C4	~	24	4.62	0.65	17				-
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 24		Results for	SEAS, 2000-	level courses					
Results for CS-2150-103, Bloomfield, Aaron S. Total Mean Std Dev Strongly Agree (4) (3) (3) (2) Disagree (5) (1) (5) (1)		Total	Mean	Std Dev	Agree			Disagree (2)	Strongly Disagree (1)
Total Mean Std Dev Strongly Agree (4) (3) (2) Disagree (5)		3300	4.29	0.78					31 (0.94%)
Students outside the classroom. Question Type: Likert 23 4.52 0.67 14 7 2 0 0.00%	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)	~	23	4.52	0.67				0 (0.00%)	0 (0.00%)
3303 4.28 0.81 1512 1345 336 84 26 (45.78%) (40.72%) (10.17%) (2.54%) (0.79%)		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) (2) (2) (2) (3) (2) (3) (2) (3) (2) (3) (4) (3) (4)		Total	Mean	Std Dev	Agree				Strongly Disagree (1)
Total Mean Std Dev Strongly Agree (5) Agree (4) (3) Disagree (1) Disagree (1) Disagree (1) Disagree (2) Disagree (1) Disagree (1) Disagree (2) Disagree (3) Disagree (1) Disagree (1) Disagree (1) Disagree (1) Disagree (2) Disagree (3) Disagree (4) Disagree (4) Disagree (4) Disagree (5) Disagree (5) Disagree (5) Disagree (1) Disagree (1) Disagree (1) Disagree (2) Disagree (3) Disagree (4) Disagree (5)		3303	4.28	0.81			336 (10.17%)	84 (2.54%)	26 (0.79%)
Question Type: Likert contributed by Office of the Provost Contributed by Office of the Provost Contributed by Office of the Prov		Results for	CS-2150-103	, Bloomfield,	Aaron S.				
Results for SEAS, 2000-level courses Total Mean Std Dev Strongly Agree (4) (3) (2) Disagree (5) (1) 3317 4.18 0.96 1481 1257 348 148 83	~	Total	Mean	Std Dev	Agree			Disagree (2)	Strongly Disagree (1)
Total Mean Std Dev Strongly Agree (4) (3) Disagree Disagree (5) (1) 3317 4.18 0.96 1481 1257 348 148 83	contributed by Office of the Provost	24	4.54	0.78				1 (4.17%)	
Total Mean Std Dev Strongly Agree (4) (3) Disagree Disagree (5) (1) 3317 4.18 0.96 1481 1257 348 148 83		Results for	SEAS, 2000-	level courses					
3317 4.18 0.96 1481 1257 348 148 83					Strongly Agree (5)				Strongly Disagree (1)
		3317	4.18	0.96	1481				

~ 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	11	See below for Individual Results				
contributed by Office of the Provost						
	a lot, which is of Since this reviet to be done in the already helped. The lab section Again way too Best class I had I loved the diffican AMAZING jutter that the company of the company	ecture, this is a good way to learn a lot of real world CS skills. you are left on your own okay, but sometimes I think it is unnecessary and there are at times lacking instruction. The way is for the labs I will comment on those. I feel like the in-labs were frequently too long he lab period but the TA's were very helpful. I liked that we used linux because it has me with job interviews The were a good way to both learn and practice the material from the lectures. The week for a 3 credit. Should be worth 6 or more honestly. The taken at UVA. I feel like 2150 stretched my brain and challenged me in a good way. Cult labs and the satisfaction I got finishing them all on my own. Bloomfield has done ob developing this material and the slides. The ments in my other evaluation of the course. TI; this course plus the lab meant that it be considered a 4 credit class. The very approachable and helpful outside of class. Sometimes, felt like lectures went by wery intense but also worth it.				
	The TA's in lab	were quite helpful, and I found that if I stayed in the lab for the whole time, I could about any in lab. The TA's were very helpful both in lab and at office hours.				