CS 2150-106 Program & Data Representation - Spring 2016

ENGR (20175)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 33 / Enrollment: 45

Summary: CS 2150-106 Program & Data Representation - Spring 2016 (20175)

Overall Course Rating

CS-2150-106 Mean 4.25 CS-2150-106 Std Dev 1.10 CS-2150-106 Response Count 159

Difference from Category Mean, Expressed in Category Standard Deviations

0.20

Overall Instructor Rating

INSTRUCTOR: Bloomfield, Aaron S. Mean 4.62 Std Dev 0.66

Response Count 221

Difference from Category Mean, Expressed in Category Standard Deviations

0.42

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-2150-106									
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	
32	4.72	0.52	24 (75.00%)	7 (21.88%)	1 (3.12%)	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)		
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-2150-106, Bloomfield, Aaron S.									
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	
32	4.30	0.95	15 (46.88%)	7 (21.88%)	3 (9.38%)	2 (6.25%)	0 (0.00%)	5 (15.62%)	

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-2150-106										
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
32	3.38	1.60	12 (37.50%)	6 (18.75%)	2 (6.25%)	6 (18.75%)	6 (18.75%)	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)
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)

(3.12%)

Not

Applicable

(NA)

193

(5.91%)

Not

Applicable

(NA)

(58.06%)

Not Applicable

(NA)

1132

(34.64%)

Not

Applicable

(NA)

3

(9.68%)

Not

Applicable

(NA)

48

(1.45%)

Not

Applicable

(NA)

(15.62%)

Applicable (NA)

(2.08%)

Not Applicable

(NA)

(21.88%)

Not

Applicable

(NA)

60

(1.82%)

0

(0.00%)

Strongly

Disagree (1)

41

(1.24%)

~ 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 Agree (5) (2)Disagree (3)Question Type: Likert (1) 32 4.71 0.53 23 0 0 contributed by Dean of the School of Engineering (21.88%)(0.00%)(71.88%)(3.12%)(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-2150-106 understanding of the material. Agree (4) Total Mean Std Dev Strongly Neutral Disagree Strongly Agree (5) Disagree (1) (3) Question Type: Likert 31 4.15 0.99 contributed by Dean of the School of Engineering (22.58%)(3.23% (16.13%)(0.00%)(0.00%)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-2150-106, 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 4.79 0 (0.00%) 31 0.50 23 0 contributed by Dean of the School of Engineering (74.19%) (12.90%)(3.23%)(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-2150-106, Bloomfield, Aaron S about the subject matter. Strongly Disagree (2) Strongly Mean Std Dev Total Agree (4) Neutral Disagree (1) Agree (5) (3) Question Type: Likert 32 4.81 0.48 23 3 n contributed by Dean of the School of Engineering (71.88%) (9.38%) (3.12%)(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-2150-106, Bloomfield, Aaron S class. Agree (4) Std Dev Total Mean Strongly Neutral Disagree Strongly Agree (3) (2)Disagree Question Type: Likert (5) (1)

0.68

Std Dev

0.83

20

(62.50%)

Strongly

Agree (5)

1673

(50.62%)

4

(12.50%)

Agree (4)

1190

(36.01%)

0

(0.00%)

Neutral

(3)

257

(7.78%)

(3.12%)

Disagree

(2)

(2.54%)

4.72

Mean

4.35

Results for SEAS, 2000-level courses

32

Total

3305

contributed by Dean of the School of Engineering

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-2150-106											
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)				
32	4.26	0.86	15 (46.88%)	10 (31.25%)	5 (15.62%)	1 (3.12%)	0 (0.00%)	1 (3.12%)				

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)	
	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-2150-106, Bloomfield, Aaron S.										
Tota	I M	ean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	
31	4.	.29	0.66	11 (35.48%)	14 (45.16%)	3 (9.68%)	0 (0.00%)	0 (0.00%)	3 (9.68%)	

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-2150-106, Bloomfield, Aaron S.											
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)			
32	4.67	0.55	19 (59.38%)	7 (21.88%)	1 (3.12%)	0 (0.00%)	0 (0.00%)	5 (15.62%)			

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-2150-106, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	
31	4.77	0.51	21 (67.74%)	4 (12.90%)	1 (3.23%)	0 (0.00%)	0 (0.00%)	5 (16.13%)	

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)
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-2150-106									
Total Less than 1 (NA)		1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)					
	32	0 (0.00%)	2 (6.25%)	4 (12.50%)	10 (31.25%)	16 (50.00%)				

Results for SE	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%)			

~ 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	32	4.75	0.51	25 (78.12%)	6 (18.75%)	1 (3.12%)	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)
	3261	4.19	0.89	1379 (42.29%)	1349 (41.37%)	352 (10.79%)	134 (4.11%)	47 (1.44%)
15. Overall, this was a worthwhile	Results for	CS-2150-106	;					
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	32	4.72	0.52	24 (75.00%)	7 (21.88%)	1 (3.12%)	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	0.97	1341 (41.17%)	1271 (39.02%)	403 (12.37%)	169 (5.19%)	73 (2.24%)
16. The course's goals and requirements	Results for	CS-2150-106	i, 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	32	4.53	0.92	23 (71.88%)	5 (15.62%)	3 (9.38%)	0 (0.00%)	1 (3.12%)
	Results for	SEAS, 2000-	level courses					
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
	3300	4.29	0.78	1444 (43.76%)	1504 (45.58%)	248 (7.52%)	73 (2.21%)	31 (0.94%)
17. The instructor was approachable	Results for	CS-2150-106	i, 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	32	4.44	0.88	21 (65.62%)	5 (15.62%)	5 (15.62%)	1 (3.12%)	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)
	3303	4.28	0.81	1512 (45.78%)	1345 (40.72%)	336 (10.17%)	84 (2.54%)	26 (0.79%)
18. Overall, the instructor was an	Results for	CS-2150-106	i, 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	31	4.52	0.93	22 (70.97%)	5 (16.13%)	3 (9.68%)	0 (0.00%)	1 (3.23%)
	Results for	SEAS, 2000-	level courses					
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
	3317	4.18	0.96	1481 (44.65%)	1257 (37.90%)	348 (10.49%)	148 (4.46%)	83 (2.50%)

~ QUESTIONS AND DETAILS ~		~ ANSWER MATRICES ~					
19. Please make any overall comments or observations about this course:	Results for CS-2150-106						
Question Type: Short Answer	Total 16	Individual Answers See below for Individual Results					
contributed by Office of the Provost							
	The downside to this course was how sad the labs made me feel, and they discouraged me from feeling like I have adequately learned the material because some of them didn't seem to be relevant to anything and were just unnecessarily hard.						
	learned a lot goo	d course.					
	same comments	as made in lecture evaluation					
	I addressed some points about the lab time in my course evaluation of the lecture, but I must some of the TAs were fabulous! Professor Bloomfield was never in lab so I feel that I don't hav enough information to answer many of these questions, seeing as I was enrolled in Professor Floryan's lecture. Great course with a great professor. I learned a lot of valuable material. I don't understand why class is 3 credits when it should clearly be 4.						
	I'm curious how this evaluation is different from the other CS 2150 evaluation for Profess or more accurately, what this one is for since I had Floryan and not Bloomfield as my pro-						
	Kinda early some days but that's what I get for doing the early lab N/A This needs to be made a 4 credit class. It is definitely worthwhile taking but the amount of requires is far more than most 3 credit classes. n/a This is my favorite course so far at UVA. The workload was greater than that of other class was definitely worth the knowledge that I gained over the course of one semester. The onl didn't like were that there were too many lab reports and also some seemingly outdated m Objective C.						
	yeah						
	Hard work, but it	pays off!					
	Class was hard a	as hell.					
	Should be a 4 cre	edit class					
	I could work on a would have code because I was ur	ours of my time outside of the classroom. I spent several nights without sleep so that I alb that I started the evening before, planning on it taking 6 hours and it taking 15. I that would theoretically works, but because of one error had a seg fault, and nable to figure out why, would receive a zero for 15 hours of work. This happened to it. I would love to see the partial credit portion of this class be revamped and more					