## CS 2150-104 Program & Data Representation - Fall 2014

ENGR (18497)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 15 / Enrollment: 40

## Summary: CS 2150-104 Program & Data Representation - Fall 2014 (18497)

## **Overall Course Rating**

CS-2150-104 Mean 4.00 CS-2150-104 Std Dev 1.29 CS-2150-104 Response Count 75

Difference from Category Mean, Expressed in Category Standard Deviations

-0.07

## **Overall Instructor Rating**

INSTRUCTOR: Bloomfield, Aaron S. Mean 4.47

Std Dev 0.70 Response Count 102

Difference from Category Mean, Expressed in

Category Standard Deviations

0.26

SEAS, 2000-level courses Mean 4.07 SEAS, 2000-level courses Std Dev 0.98

SEAS, 2000-level courses Response Count 13331

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

SEAS, 2000-level courses Response Count 19687

## ~ QUESTIONS AND DETAILS ~

### ~ ANSWER MATRICES ~

## 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

Results for	CS-2150-1	04						
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
15	4.73	0.46	11 (73.33%)	4 (26.67%)	0 (0.00%)	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)		
2670	4.40	0.71	1347 (50.45%)	1101 (41.24%)	157 (5.88%)	42 (1.57%)	12 (0.45%)	11 (0.41%)		

## 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-2150-104, Bloomfield, Aaron S.										
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	
	15	4.33	0.72	7 (46.67%)	6 (40.00%)	2 (13.33%)	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)		
2824	3.99	1.05	1049 (37.15%)	1022 (36.19%)	394 (13.95%)	214 (7.58%)	81 (2.87%)	64 (2.27%)		

## 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-2150-104											
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)			
15	2.60	1.76	4 (26.67%)	1 (6.67%)	2 (13.33%)	1 (6.67%)	7 (46.67%)	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)
	2674	4.19	0.91	1111 (41.55%)	1168 (43.68%)	216 (8.08%)	112 (4.19%)	59 (2.21%)	8 (0.30%)

### ~ QUESTIONS AND DETAILS ~ ~ ANSWER MATRICES ~ 4. The homework assignments helped Results for CS-2150-104 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) 5 (33.33%) 15 4.53 0.64 1 0 0 0 contributed by Dean of the School of Engineering (60.00%) (6.67%)(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) 2664 4 19 0.92 1115 1048 258 52 81 110 (39.34%) (1.95%) (3.04%)(41.85%)(9.68%)(4.13%)5. The textbook increased my Results for CS-2150-104 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) 15 3.80 1.10 contributed by Dean of the School of Engineering (13.33%) (20.00%)(0.00% (0.00%)(0.00%)(66.67%)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) 2664 3.50 506 703 499 1.21 298 168 490 (18.99%) (11.19%)(26.39%)(18.73%)(6.31%)(18.39%)6. The course material was well Results for CS-2150-104, 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%) 13 4.46 0.66 5 0 contributed by Dean of the School of Engineering . (53.85%) (38.46%) (7.69%)(0.00%)(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) 2797 0.97 1129 1061 361 61 38 (40.36%)(37.93%)(12.91%)(5.26%)(2.18%)(1.36%)7. The instructor was knowledgeable Results for CS-2150-104, 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) 4.80 0.41 3 n n 15 12 contributed by Dean of the School of Engineering (80.00%) (20.00%) (0.00%)(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) Applicable (NA) 2815 4.54 0.71 1761 821 135 46 (0.71%)(62.56%)(29.17%)(4.80%)(1.14%)(1.63%)8. The instructor was well prepared for Results for CS-2150-104, 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) 15 4.60 0.51 6 0 0 0 0 contributed by Dean of the School of Engineering (60.00%)(40.00%)(0.00%)(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 Disagree (1) Agree (5) Applicable (3) (2) (NA) 2814 4.40 0.76 1475 20 1015 204 50

(36.07%)

(7.25%)

(1.78%)

(52.42%)

(0.71%)

(1.78%)

## ~ 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-2150-104											
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)				
15	4.20	0.68	5 (33.33%)	8 (53.33%)	2 (13.33%)	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)	
2659	3.98	0.93	716 (26.93%)	981 (36.89%)	413 (15.53%)	117 (4.40%)	39 (1.47%)	393 (14.78%)	

## 10. The grading policy was fair.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for	CS-2150-1	04, Bloomfi	eld, Aaron S	<b>3.</b>				
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
15	3.87	1.06	5 (33.33%)	5 (33.33%)	3 (20.00%)	2 (13.33%)	0 (0.00%)	0 (0.00%)

Results for	SEAS, 200	0-level cour	ses					
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2813	4.17	0.85	1101 (39.14%)	1218 (43.30%)	307 (10.91%)	123 (4.37%)	22 (0.78%)	42 (1.49%)

## 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-2150-104, Bloomfield, Aaron S.											
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
	14	4.50	0.52	7 (50.00%)	7 (50.00%)	0 (0.00%)	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)		
2809	4.31	0.83	1340 (47.70%)	1074 (38.23%)	222 (7.90%)	91 (3.24%)	28 (1.00%)	54 (1.92%)		

# 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

R	Results for CS-2150-104, Bloomfield, Aaron S.									
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	
	15	4.73	0.46	11 (73.33%)	4 (26.67%)	0 (0.00%)	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)	
2815	4.16	0.90	1152 (40.92%)	1074 (38.15%)	353 (12.54%)	133 (4.72%)	31 (1.10%)	72 (2.56%)	

## 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-2150-104									
Total Less than 1 (NA)		1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)					
	15	0 (0.00%)	0 (0.00%)	1 (6.67%)	1 (6.67%)	13 (86.67%)				

Results for SEAS, 2000-level courses								
Total	tal Less than 1 (NA)		4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)			
2670	150 (5.62%)	949 (35.54%)	1054 (39.48%)	329 (12.32%)	188 (7.04%)			

~ QUESTIONS AND DETAILS ~				~ ANSWER	MATRICES ~			
14. I learned a great deal in this course.	Results for	CS-2150-10 <sup>2</sup>	1					
Question Type: Likert	Total	Mean	Std Dev	Strongly	Agree	Neutral	Disagree	Strongly
~				Agree (5)	(4)	(3)	(2)	Disagree (1)
contributed by Office of the Provost	15	4.60	0.51	9 (60.00%)	6 (40.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
				(60.00%)	(40.00%)	(0.00%)	(0.00%)	(0.00%)
			level courses					
	Total	Mean	Std Dev	Strongly Agree	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree
	2656	4.20	0.92	(5) 1188	1027	274	118	(1 <u>)</u> 49
	2000	4.20	0.32	(44.73%)	(38.67%)	(10.32%)	(4.44%)	(1.84%)
15. Overall, this was a worthwhile	Results for	CS-2150-10 <sup>2</sup>	1					
course.	Total	Mean	Std Dev	Strongly	Agree	Neutral	Disagree	Strongly
Question Type: Likert				Agree (5)	(4)	(3)	(2)	Disagree (1)
contributed by Office of the Provost	15	4.53	0.64	9 (60.00%)	5 (33.33%)	1 (6.67%)	0 (0.00%)	0 (0.00%)
	Results for Total	Mean	Std Dev	Strongly	Agree	Neutral	Disagree	Strongly
	Total	ivicaii	Stu Dev	Agree (5)	(4)	(3)	(2)	Disagree (1)
	2666	4.19	0.95	1205 (45.20%)	982 (36.83%)	307 (11.52%)	114 (4.28%)	58 (2.18%)
				,	(00.0070)	(11.0270)	(1.2070)	(2.1070)
6. The course's goals and requirements were defined and adhered to by the			1, Bloomfield,		_			
instructor.	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
Question Type: Likert	15	4.53	0.52	8 (53.33%)	7 (46.67%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
contributed by Office of the Provost				(55.5576)	(40.07 78)	(0.0078)	(0.0078)	(0.0078)
	Results for	SEAS, 2000-	level courses					
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
	2803	4.32	0.75	1281 (45.70%)	1238 (44.17%)	215 (7.67%)	51 (1.82%)	18 (0.64%)
17. The instructor was approachable	D 11 (	22 24 72 42	. 5)					
and made himself/herself available to	Total	Mean	Std Dev	Strongly	Agree	Neutral	Disagree	Strongly
students outside the classroom.	Total	ivicaii	Stu Dev	Agree (5)	(4)	(3)	(2)	Disagree (1)
Question Type: Likert	15	4.07	0.70	4 (26.67%)	8 (53.33%)	3 (20.00%)	0 (0.00%)	0 (0.00%)
contributed by Office of the Provost	D 11 (	0540 0000						
	Total	Mean	level courses Std Dev	Strongly	Agroo	Neutral	Disagree	Strongly
	Total	IVICALI	Stu Dev	Agree (5)	Agree (4)	(3)	(2)	Disagree (1)
	2817	4.27	0.82	1300 (46.15%)	1089 (38.66%)	332 (11.79%)	82 (2.91%)	14 (0.50%)
10.0								
18. Overall, the instructor was an effective teacher.			1, Bloomfield,			N	D.	0, 1
Question Type: Likert	Total	Mean	Std Dev	Strongly Agree	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree
contributed by Office of the Provost	15	4.47	0.64	(5)	6	1	0	(1)
communica by Office of the Provost				(53.33%)	(40.00%)	(6.67%)	(0.00%)	(0.00%)
	Results for	SEAS, 2000-	level courses					
	Total	Mean	Std Dev	Strongly Agree	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree
	2823	4.16	0.98	(5) 1280	986	357	135	(1) 65
	2023	4.10	0.50	(45.34%)	(34.93%)	(12.65%)	(4.78%)	(2.30%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~					
19. Please make any overall comments	Results for CS-2150-104					
or observations about this course:	Total	Individual Answers				
Question Type: Short Answer	4	See below for Individual Results				
contributed by Office of the Provost						
	use a micropho I learned so mu time it requires	e made in previous evaluation.  one pls  och in this class and Professor Bloomfield is a great lecturer. However, the amount of to understand the material and complete the labs is astronomical. The class should orth more credits.				