## CS 2150-2 Program & Data Representation - Fall 2009

## ENGR (16355)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 20 / Enrollment: 24

Overall Course Rating			Overal	Instructor	Rating					
CS-2150-2 Mean 3.97 CS-2150-2 Std Dev 1.07 CS-2150-2 Response Count 100				INSTRUCTOR: Bloomfield, Aaron S. Mean 4.55 Std Dev 0.67 Response Count 140						
Difference from Category Mean, Expressed in Category Standard Deviations		0 1 2 0.05		Difference from Category Mean, Expressed in Category Standard Deviations						
SEAS, 2000-level courses Mean 4.01 SEAS, 2000-level courses Std Dev 0.91 SEAS, 2000-level courses Response Count 11659			SEAS,	SEAS, 2000-level courses Mean 4.22 SEAS, 2000-level courses Std Dev 0.86 SEAS, 2000-level courses Response Count 17207						
~ QUESTIONS AND DETAILS ~				~ ANS	WER MATR	ICES ~				
1. The subject matter was challenging.	Results for	CS-2150-2								
Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicabl (NA)	
contributed by Dean of the School of Engineering and Applied Science	20	4.55	0.76	14 (70.00%)	3 (15.00%)	3 (15.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	
	Results for	SEAS. 200	0-level cou	ses						
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicabl (NA)	
	2338	4.08	0.78	694 (29.68%)	1223 (52.31%)	323 (13.82%)	84 (3.59%)	9 (0.38%)	5 (0.21%)	
2. The objectives of the course were	Results for	CS-2150-2								
<b>clearly stated and accomplished.</b> Question Type: Likert	Total	Mean	Std Dev	Strongly Agree	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree	Not Applicabl	
contributed by Dean of the School of Engineering	20	4.45	0.69	(5) 11 (55.00%)	7	2 (10.00%)	0 (0.00%)	(1) 0 (0.00%)	(NA) 0 (0.00%)	

Results f	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)		
2328	4.17	0.76	789 (33.89%)	1242 (53.35%)	212 (9.11%)	63 (2.71%)	18 (0.77%)	4 (0.17%)		

	Results for	CS-2150-2							
expected for the credit hours received. Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
contributed by Dean of the School of Engineering and Applied Science	20	3.70	1.30	7 (35.00%)	5 (25.00%)	5 (25.00%)	1 (5.00%)	2 (10.00%)	0 (0.00%)

lesults for	SEAS, 200	0-level cou	rses					
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicat (NA)
2330	4.03	0.96	746 (32.02%)	1190 (51.07%)	174 (7.47%)	144 (6.18%)	71 (3.05%)	5 (0.21%

~ QUESTIONS AND DETAILS ~				~ ANS	WER MATR	ICES ~					
4. The homework assignments helped	Results for	CS-2150-2	2								
me learn the subject matter.	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
contributed by Dean of the School of Engineering and Applied Science	20	4.15	0.67	6 (30.00%)	11 (55.00%)	3 (15.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)		
	Results for	SEAS, 200	00-level cou	ses							
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
	2329	4.16	0.82	829 (35.59%)	1076 (46.20%)	253 (10.86%)	83 (3.56%)	16 (0.69%)	72 (3.09%)		
5. The textbook increased my	Results for	CS-2150-2	2								
understanding of the material. Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
contributed by Dean of the School of Engineering and Applied Science	20	2.95	1.03	1 (5.00%)	5 (25.00%)	6 (30.00%)	6 (30.00%)	1 (5.00%)	1 (5.00%)		
	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)		
	2334	3.56	1.10	379 (16.24%)	811 (34.75%)	461 (19.75%)	210 (9.00%)	122 (5.23%)	351 (15.04%)		
6. The course material was well	Results for	CS-2150-2	2, Bloomfield	I, Aaron S.							
Organized and developed. Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
contributed by Dean of the School of Engineering and Applied Science	20	4.50	0.61	11 (55.00%)	8 (40.00%)	1 (5.00%)	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)		
	2448	4.14	0.87	914 (37.34%)	1120 (45.75%)	271 (11.07%)	106 (4.33%)	31 (1.27%)	6 (0.25%)		
7. The instructor was knowledgeable	Results for	CS-2150-2	2, Bloomfield	I, Aaron S.							
about the subject matter. Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
contributed by Dean of the School of Engineering and Applied Science	20	4.80	0.52	17 (85.00%)	2 (10.00%)	1 (5.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)		
	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)		
	2457	4.59	0.64	1606 (65.36%)	723 (29.43%)	89 (3.62%)	22 (0.90%)	8 (0.33%)	9 (0.37%)		
8. The instructor was well prepared for	Results for	CS-2150-2	2, Bloomfield	l, Aaron S.							
<b>class.</b> ~ Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
contributed by Dean of the School of Engineering and Applied Science	20	4.75	0.55	16 (80.00%)	3 (15.00%)	1 (5.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)		
	Results for	SEAS, 200	00-level cou	ses							
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
	2461	4.41	0.75	1303 (52.95%)	922 (37.46%)	156 (6.34%)	50 (2.03%)	13 (0.53%)	17 (0.69%)		

## CS 2150-2 Program & Data Representation - Fall 2009

~ QUESTIONS AND DETAILS ~				~ ANS	WER MATR	ICES ~						
9. The instructor (not Teaching	Results for	CS-215	0-2, Bloomfield	Aaron S								
Assistants) was accessible for individual assistance.	Total	Mean		Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)			
Question Type: Likert	20	4.33	0.97	11 (55.00%)	3 (15.00%)	3 (15.00%)	1 (5.00%)	0 (0.00%)	2 (10.00%)			
contributed by Dean of the School of Engineering and Applied Science	Deculto for				(1010070)	(1010070)	(0.007.0)	(010070)	(1010070)			
			2000-level cou		•	<b>N</b> I / I	D:	01	<b>NI</b> /			
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)			
	2465	4.18	0.82	935 (37.93%)	972 (39.43%)	342 (13.87%)	60 (2.43%)	15 (0.61%)	141 (5.72%)			
10. The grading policy was fair.	Results for	CS-215	0-2, Bloomfield	I, Aaron S.								
Question Type: Likert $\sim$	Total	Mean	Std Dev	Strongly Agree	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree	Not Applicable			
contributed by Dean of the School of Engineering and Applied Science	20	4.15	0.67	(5) 6 (30.00%)	11 (55.00%)	3 (15.00%)	0 (0.00%)	(1) 0 (0.00%)	(NA) 0 (0.00%)			
	Results for SEAS, 2000-level courses											
					A	Naut-1	Discourse	Otron -1	Net			
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)			
	2459	3.99	0.92	748 (30.42%)	1153 (46.89%)	336 (13.66%)	157 (6.38%)	40 (1.63%)	25 (1.02%)			
11. The instructor responded	Results for	CS-215	0-2, Bloomfield	Aaron S								
adequately to in-class questions. $\tilde{a}$	Total	Mean		Strongly Agree	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree	Not Applicable			
Question Type: Likert $\tilde{r}$	20	4.70	0.57	(5) 15	4	1	0	(1) 0	(NA) 0			
and Applied Science	(75.00%) (20.00%) (5.00%) (0.00%) (0.00%)											
	Results for	SEAS, 2	2000-level cou	rses								
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)			
	2458	4.31	0.76	1090 (44.34%)	1080 (43.94%)	190 (7.73%)	58 (2.36%)	13 (0.53%)	27 (1.10%)			
12. As a teacher, this instructor was	Results for	CS-215	0-2, Bloomfield	Aaron S								
better than most others in this School.	Total	Mean		1	Aaree	Neutral	Disagree	Strongly	Not			
Question Type: Likert				Agree (5)	Agree (4)	(3)	(2)	Disagree (1)	Applicable (NA)			
contributed by Dean of the School of Engineering and Applied Science	20	4.60	0.60	13 (65.00%)	6 (30.00%)	1 (5.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)			
	Results for	SEAS, 2	2000-level cou	rses								
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)			
	2459	3.91	1.03	818 (33.27%)	858 (34.89%)	510 (20.74%)	164 (6.67%)	65 (2.64%)	44 (1.79%)			
13. The average number of hours per		00.01										
week I spent outside of class preparing for this course was:	Results for CS-2 Total		0-2 Less than 1 (NA)	1 - 3 (NA)		4 - 6		10	) or more (NA)			
Question Type: Multiple Choice	20		(NA) 1 (5.00%)	(144)	5) (	(NA) 6 30.00%)	(NA) 6 (30.00%)		6 30.00%)			
contributed by Office of the Provost			. ,				(00.007	~/ (				
			2000-level cou			4 0	7.0					
	Total 2337		Less than 1 (NA) 154	1 - 3 (NA) 858		4 - 6 (NA) 914	7 - 9 (NA) 291	10	) or more (NA) 120			
	2337		(6.59%)	(36.71%	6) (	914 39.11%)	(12.45%	6) (	5.13%)			

## CS 2150-2 Program & Data Representation - Fall 2009

~ QUESTIONS AND DETAILS ~				~ ANSWER	MATRICES ~							
14. I learned a great deal in this course.	Results for	CS-2 <u>150-2</u>										
Question Type: Likert contributed by Office of the Provost	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
contributed by Office of the Provosi	20	4.50	0.61	11 (55.00%)	8 (40.00%)	1 (5.00%)	0 (0.00%)	0 (0.00%)				
	Results for 3	SEAS, 2000-	evel courses									
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
	2322	4.14	0.83	837 (36.05%)	1114 (47.98%)	259 (11.15%)	92 (3.96%)	20 (0.86%)				
15. Overall, this was a worthwhile	Results for	CS-2150-2										
<b>course.</b> Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
$\tilde{r}$ contributed by Office of the Provost	20	4.35	0.75	10 (50.00%)	7 (35.00%)	3 (15.00%)	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)				
	2330	4.11	0.91	880 (37.77%)	1036 (44.46%)	251 (10.77%)	126 (5.41%)	37 (1.59%)				
16. The course's goals and requirements	Results for	CS-2150-2, E	loomfield, Aa	ron 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	20	4.50	0.61	11 (55.00%)	8 (40.00%)	1 (5.00%)	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)				
	2452	4.23	0.70	882 (35.97%)	1303 (53.14%)	218 (8.89%)	43 (1.75%)	6 (0.24%)				
17. The instructor was approachable	Results for	CS-2150-2, E	loomfield, Aa	ron S.								
and made himself/herself available to students outside the classroom.	Total	Mean		Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
Question Type: Likert contributed by Office of the Provost	20	4.35	0.88	12 (60.00%)	3 (15.00%)	5 (25.00%)	0 (0.00%)	0 (0.00%)				
	Results for	SEAS, 2000-	evel courses									
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
	2458	4.18	0.81	949 (38.61%)	1092 (44.43%)	340 (13.83%)	61 (2.48%)	16 (0.65%)				
18. Overall, the instructor was an	Results for	CS-21 <u>50-2, E</u>	loomfield, Aa	ron S.								
effective teacher. Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
$\sim$ contributed by Office of the Provost	20	4.60	0.60	13 (65.00%)	6 (30.00%)	1 (5.00%)	0 (0.00%)	0 (0.00%)				
	Results for 3	SEAS, 2000-	evel courses									
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
	2469	4.19	0.88	1034 (41.88%)	1030 (41.72%)	276 (11.18%)	95 (3.85%)	34 (1.38%)				

Individual Answers   Outsion Type: Short Answer   Outsion Type: Short Answer   Outsion Type: Short Answer   Contributed by Office of the Provest   The professor was always available to help and understood that the material was very difficult. However the amount of vork was to fair to the amount of credits. I wish some tables had more description of what needed to be done, the tables also could be a bits had more description of what needed to be done, the tables also could be a bits. J were: Some tables required any to or nuch work, if the code was in the book it should be already in the book. The height table was all difficult to understand and implement. Overall though, I was able to take a lot away from this course.   Wow, this class crusthed my soul. Even though the rest of my course load was lighter than usual, this course outs outshould devery thing in a picture of your kit with on all discuss and the picture of your kit with an all disk at a lot away from this course.   Wow, this class crusthed my soul. Even though the rest of my babout stuffed microbes, you should definitely bing in a picture of your kit with an all disk disk at a state and any from the course.   Wow to inforce any to use to be very challenging and required aid of time, but I disk as a lot away from the course at the same time. Thanks.   Sigod. (this course to be very challenging and at times way above my own understanding of the material to the point where i had to effine to take a lot away from the same time. Thanks.   Sigod. (this course to be very challenging and at times way above my own	~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~							
Question Type: Short Answer   Initiation of the provided		Results for CS-2	2150-2						
Catalation in procession was always available to help and understood that the material was very difficult.   However the amount of work was to fair to the amount of credits. I wish some labs had more description of what needed to be done, the labs also could be a bit clearer. Some labs required way hill like of the code were trunctions were given and it said insert code here and the code year on was code littler on trelated to what needed to be learned to code here and the code year on was code littler on trelated to what needed to be learned or code already in the book. The hash lab was difficult to understand and implement. Overall though, I was able to take a lot away from this course.   Wow, this class crushed my soul. Even though the rest of my course load was lighter than usual, this course overloaded everything. This class ruined my life sometimes. Lots of work. Still hate x86 and dort Know how to do recursion in x86, wish I could see that assignment completed. This class was extremely challenging and nequired alot of time, put I do learn. When you talk about suffad my bout so course or load way hours on several of the homeworks but looking back in retrospect, it feels this course a clearab points during the semester, I realize it could have been a whole lot worse at the same time. Thanks.   Sigood. (this comment redacted, as it was about the TAs)   I found this course to be very challenging and a times way above my own understanding of the material is the last. The way runce, but when asked for the orany hours on several of the labe. I feil were discourded and unintellight because 17, Ryan, was not very helpful. How was very nice, but when asked for Overall, without the heads-on, one-one-one approachable head. If was very nice, but when asked for Overall, without the heads-on, one-one-one approachable head. If was very nice, but	or observations about this course: $$	Total	Individual Answers						
The professor was always available to help and understood that the material was very difficult.   However the amount of work was to fair to the amount of credits. I wish some labs had more description of what needed to be done, the labs also could be a bit dearer. Some labs required way too much work, if the code was in the book it should be already given in a rough copy of the code. I liked the code was in the book it should be already given in a rough copy of the code.   Wow, this class crushed my soul. Even though the rest of my course load was lighter than usual, this course overloaded everything. This class runned my file sometimes. Lots of work. Still hate x86 and don't know how to of recursion in x86wish I could see that assignment completed. This class was extremely challenging and required alto of time, but I did learn. When you tak about stuffed microbes, you should definitely bring in a picture of your kid with one. And please post that crazy lady about anticipatory behavior.   Suffered for too many hours on several of the homeworks but looking back in retrospect, it feels his class was worth it. Gool tectures and plenty of heig vaa vas very neight. How has we also all disliked this course at certain points during the semester, I realize it could have been a whole lot worse at the same time. Thanks.   Sigood. (this comment redacted, as it was about the TAs)   I found this course to be very challenging and at times way above my own understanding of the material to the comment redacted, as it was about the TAs)   Overall, without the hands-on, one-one-one approachable help. I fet very discouraged and unintelligent because I left like everyone about the TAs is out of the comment of the comment of the dates understood the material except for myself. The pot profix	Question Type: Short Answer	9	See below for Individual Results						
However the amount of work was to fair to the amount of credits. I wish some labs had more description of what needed to be done, the labs also could be a bit clearer. Some labs required way too much work, if the code was in the book is should be already given in a rough copy of the code. I liked the code were functions were given and it said insert code here and the code given was code either not related to what needed to be learned or code already in the book. The hash lab was difficult to understand and miplement. Overall though, I was able to take a lot away from this course. Wow, this class crushed my soul. Even though the rest of my course load was lighter than usual, this course overfoaded everything. This class runned my life sometimes. Lots of work. Still hate x86 and don't know how to do recursion time, but I did learn. When you tak about stuffed microbes you should definequiped to al to it me, but I did learn. When you tak about stuffed microbes you should definequiped to al to our work s but looking back in retrospect, I i feels this class was worth it. Good lectures and plenty of help available from TAs. As much as I disked this course at certain points during the semester, I realize it could have been a whole lot worse at the same time. Thanks. Sigood. (this comment redacted, as it was about the TAs) I found this course to be very challenging and at times way above my own understanding of the material to the point where I had to either go to a tutor or to a lew TAs that would actually answer my (this part of the course in be avery challenging and at times way above my own understanding of the material to the point where I had to either approachable help. I felt very discouraged and unintelligent because 1 felt his dwas definitely super-hard. It defined my disaponitment with this class for the rest of the labs. kept me very busy, often felt it demanded more than it's fair share of my time. Overall, the material was well presented	contributed by Office of the Provost	L							
	contributed by Office of the Provost	However the ar description of w too much work, liked the code w either not relate difficult to unde Wow, this class course overload don't know how extremely chall microbes, you is about anticipato Suffered for too class was worth course at certai same time. Tha S'good. (this comment r I found this cou material to the p question. I fel th (this part of the Overall, without and unintelliger professor's offic got more help. class for the res kept me very bi was well preser Some of the lat prevented me f remove the leng This course is tough	nount of work was to fair to the amount of credits. I wish some labs had more what needed to be done, the labs also could be a bit clearer. Some labs required way if the code was in the book it should be already given in a rough copy of the code. I were functions were given and it said insert code here and the code given was code do to what needed to be learned or code already in the book. The hash lab was rstand and implement. Overall though, I was able to take a lot away from this course. Is crushed my soul. Even though the rest of my course load was lighter than usual, this ded everything. This class ruined my life sometimes. Lots of work. Still hate x86 and to do recursion in x86wish I could see that assignment completed. This class was enging and required alot of time, but I did learn. When you talk about stuffed should definitely bring in a picture of your kid with one. And please post that crazy lady bry behavior.						