

CS 2150-103 Program & Data Representation - Fall 2014

ENGR (18560)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 24 / Enrollment: 42

Summary: CS 2150-103 Program & Data Representation - Fall 2014 (18560)	
Overall Course Rating CS-2150-103 Mean 4.32 CS-2150-103 Std Dev 0.93 CS-2150-103 Response Count 115	Overall Instructor Rating INSTRUCTOR: Bloomfield, Aaron S. Mean 4.56 Std Dev 0.66 Response Count 160
Difference from Category Mean, Expressed in Category Standard Deviations 	Difference from Category Mean, Expressed in Category Standard Deviations
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 ~																																																						
<p>1. The course addressed technically rigorous subject matter consistent with the course objectives.</p> <p style="text-align: center;">Question Type: Likert</p> <p style="text-align: center;"><i>contributed by Dean of the School of Engineering and Applied Science</i></p>	<table border="1"> <thead> <tr> <th colspan="9">Results for CS-2150-103</th> </tr> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> <th>Not Applicable (NA)</th> </tr> </thead> <tbody> <tr> <td>23</td> <td>4.70</td> <td>0.47</td> <td>16 (69.57%)</td> <td>7 (30.43%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="9">Results for SEAS, 2000-level courses</th> </tr> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> <th>Not Applicable (NA)</th> </tr> </thead> <tbody> <tr> <td>2670</td> <td>4.40</td> <td>0.71</td> <td>1347 (50.45%)</td> <td>1101 (41.24%)</td> <td>157 (5.88%)</td> <td>42 (1.57%)</td> <td>12 (0.45%)</td> <td>11 (0.41%)</td> </tr> </tbody> </table>	Results for CS-2150-103									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	23	4.70	0.47	16 (69.57%)	7 (30.43%)	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%)
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<p>2. The instructor used methods other than/in addition to traditional lectures (for example, active learning, in-class problems, collaborative learning, in-class discussion) effectively in this course.</p> <p style="text-align: center;">Question Type: Likert</p> <p style="text-align: center;"><i>contributed by Dean of the School of Engineering and Applied Science</i></p>	<table border="1"> <thead> <tr> <th colspan="9">Results for CS-2150-103, Bloomfield, Aaron S.</th> </tr> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> <th>Not Applicable (NA)</th> </tr> </thead> <tbody> <tr> <td>23</td> <td>4.32</td> <td>0.84</td> <td>11 (47.83%)</td> <td>8 (34.78%)</td> <td>2 (8.70%)</td> <td>1 (4.35%)</td> <td>0 (0.00%)</td> <td>1 (4.35%)</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="9">Results for SEAS, 2000-level courses</th> </tr> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> <th>Not Applicable (NA)</th> </tr> </thead> <tbody> <tr> <td>2824</td> <td>3.99</td> <td>1.05</td> <td>1049 (37.15%)</td> <td>1022 (36.19%)</td> <td>394 (13.95%)</td> <td>214 (7.58%)</td> <td>81 (2.87%)</td> <td>64 (2.27%)</td> </tr> </tbody> </table>	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	4.32	0.84	11 (47.83%)	8 (34.78%)	2 (8.70%)	1 (4.35%)	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)	2824	3.99	1.05	1049 (37.15%)	1022 (36.19%)	394 (13.95%)	214 (7.58%)	81 (2.87%)	64 (2.27%)
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<p>3. There was a reasonable level of effort expected for the credit hours received.</p> <p style="text-align: center;">Question Type: Likert</p> <p style="text-align: center;"><i>contributed by Dean of the School of Engineering and Applied Science</i></p>	<table border="1"> <thead> <tr> <th colspan="9">Results for CS-2150-103</th> </tr> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> <th>Not Applicable (NA)</th> </tr> </thead> <tbody> <tr> <td>23</td> <td>4.09</td> <td>1.20</td> <td>10 (43.48%)</td> <td>10 (43.48%)</td> <td>0 (0.00%)</td> <td>1 (4.35%)</td> <td>2 (8.70%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="9">Results for SEAS, 2000-level courses</th> </tr> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> <th>Not Applicable (NA)</th> </tr> </thead> <tbody> <tr> <td>2674</td> <td>4.19</td> <td>0.91</td> <td>1111 (41.55%)</td> <td>1168 (43.68%)</td> <td>216 (8.08%)</td> <td>112 (4.19%)</td> <td>59 (2.21%)</td> <td>8 (0.30%)</td> </tr> </tbody> </table>	Results for CS-2150-103									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	23	4.09	1.20	10 (43.48%)	10 (43.48%)	0 (0.00%)	1 (4.35%)	2 (8.70%)	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%)
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~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

4. The homework assignments helped me learn the subject matter.

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)
23	4.70	0.47	16 (69.57%)	7 (30.43%)	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)
2664	4.19	0.92	1115 (41.85%)	1048 (39.34%)	258 (9.68%)	110 (4.13%)	52 (1.95%)	81 (3.04%)

5. The textbook increased my understanding of the material.

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)
23	3.44	1.24	3 (13.04%)	0 (0.00%)	4 (17.39%)	2 (8.70%)	0 (0.00%)	14 (60.87%)

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)
2664	3.50	1.21	506 (18.99%)	703 (26.39%)	499 (18.73%)	298 (11.19%)	168 (6.31%)	490 (18.39%)

6. The course material was well organized and developed.

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)
22	4.59	0.50	13 (59.09%)	9 (40.91%)	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)
2797	4.11	0.97	1129 (40.36%)	1061 (37.93%)	361 (12.91%)	147 (5.26%)	61 (2.18%)	38 (1.36%)

7. The instructor was knowledgeable about the subject matter.

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	4.78	0.42	18 (78.26%)	5 (21.74%)	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	4.54	0.71	1761 (62.56%)	821 (29.17%)	135 (4.80%)	32 (1.14%)	20 (0.71%)	46 (1.63%)

8. The instructor was well prepared for class.

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	4.78	0.42	18 (78.26%)	5 (21.74%)	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)
2814	4.40	0.76	1475 (52.42%)	1015 (36.07%)	204 (7.25%)	50 (1.78%)	20 (0.71%)	50 (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 CS-2150-103								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
23	4.13	0.87	9 (39.13%)	9 (39.13%)	4 (17.39%)	1 (4.35%)	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-2150-103, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
23	4.22	0.95	11 (47.83%)	8 (34.78%)	2 (8.70%)	2 (8.70%)	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)
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-2150-103, 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	0.59	14 (60.87%)	7 (30.43%)	1 (4.35%)	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)
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

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	4.64	0.58	15 (65.22%)	6 (26.09%)	1 (4.35%)	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)
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-2150-103					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
23	0 (0.00%)	0 (0.00%)	6 (26.09%)	8 (34.78%)	9 (39.13%)

Results for SEAS, 2000-level courses					
Total	Less than 1 (NA)	1 - 3 (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.

Question Type: Likert
 ~
 contributed by Office of the Provost

Results for CS-2150-103							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
23	4.83	0.39	19 (82.61%)	4 (17.39%)	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)
2656	4.20	0.92	1188 (44.73%)	1027 (38.67%)	274 (10.32%)	118 (4.44%)	49 (1.84%)

15. Overall, this was a worthwhile course.

Question Type: Likert
 ~
 contributed by Office of the Provost

Results for CS-2150-103							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
23	4.74	0.54	18 (78.26%)	4 (17.39%)	1 (4.35%)	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)
2666	4.19	0.95	1205 (45.20%)	982 (36.83%)	307 (11.52%)	114 (4.28%)	58 (2.18%)

16. 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 CS-2150-103, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
23	4.65	0.49	15 (65.22%)	8 (34.78%)	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)
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 and made himself/herself available to students outside the classroom.

Question Type: Likert
 ~
 contributed by Office of the Provost

Results for CS-2150-103, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
23	4.43	0.66	12 (52.17%)	9 (39.13%)	2 (8.70%)	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)
2817	4.27	0.82	1300 (46.15%)	1089 (38.66%)	332 (11.79%)	82 (2.91%)	14 (0.50%)

18. Overall, the instructor was an effective teacher.

Question Type: Likert
 ~
 contributed by Office of the Provost

Results for CS-2150-103, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
23	4.65	0.57	16 (69.57%)	6 (26.09%)	1 (4.35%)	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)
2823	4.16	0.98	1280 (45.34%)	986 (34.93%)	357 (12.65%)	135 (4.78%)	65 (2.30%)

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

19. Please make any overall comments or observations about this course:

~
Question Type: Short Answer
~

contributed by Office of the Provost

Results for CS-2150-103	
Total	Individual Answers
4	See below for Individual Results

My comments were made on the section 1 evaluation.

PDR is a very important course and i think Professor Bloomfield was a very effective professor. The only qualm i have is with the structure of the labs, i wish the structure was more relaxed in terms of late submissions.

All labs were useful to the course and the instructions for lab were clear! Our section's TAs were fantastic and quick to help anyone!

This course was extremely difficult but I learned more than I have in any other course. The professor was extremely interesting and knowledgeable. He was a very enjoyable and excellent professor. However, I don't feel my grade or the credits offered represent effort and learning totally accurately