

# 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)	
<b>Overall Course Rating</b> CS-2150-104 Mean 4.00 CS-2150-104 Std Dev 1.29 CS-2150-104 Response Count 75	<b>Overall Instructor Rating</b> INSTRUCTOR: Bloomfield, Aaron S. Mean 4.47 Std Dev 0.70 Response Count 102
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><b>1. The course addressed technically rigorous subject matter consistent with the course objectives.</b></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-2150-104</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>15</td> <td>4.73</td> <td>0.46</td> <td>11 (73.33%)</td> <td>4 (26.67%)</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-2150-104									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%)
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<p><b>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.</b></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-2150-104, 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>15</td> <td>4.33</td> <td>0.72</td> <td>7 (46.67%)</td> <td>6 (40.00%)</td> <td>2 (13.33%)</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>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-2150-104, 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%)
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<p><b>3. There was a reasonable level of effort expected for the credit hours received.</b></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-2150-104</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>15</td> <td>2.60</td> <td>1.76</td> <td>4 (26.67%)</td> <td>1 (6.67%)</td> <td>2 (13.33%)</td> <td>1 (6.67%)</td> <td>7 (46.67%)</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-2150-104									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%)
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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-2150-104								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
15	4.53	0.64	9 (60.00%)	5 (33.33%)	1 (6.67%)	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-2150-104								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
15	3.80	1.10	2 (13.33%)	0 (0.00%)	3 (20.00%)	0 (0.00%)	0 (0.00%)	10 (66.67%)

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-2150-104, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
13	4.46	0.66	7 (53.85%)	5 (38.46%)	1 (7.69%)	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-2150-104, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
15	4.80	0.41	12 (80.00%)	3 (20.00%)	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)
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-2150-104, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
15	4.60	0.51	9 (60.00%)	6 (40.00%)	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)
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-2150-104								
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-2150-104, Bloomfield, Aaron S.								
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, 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-2150-104, 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

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	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-2150-104							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
15	4.60	0.51	9 (60.00%)	6 (40.00%)	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)
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-2150-104							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
15	4.53	0.64	9 (60.00%)	5 (33.33%)	1 (6.67%)	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-2150-104, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
15	4.53	0.52	8 (53.33%)	7 (46.67%)	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-2150-104, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
15	4.07	0.70	4 (26.67%)	8 (53.33%)	3 (20.00%)	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)
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-2150-104, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
15	4.47	0.64	8 (53.33%)	6 (40.00%)	1 (6.67%)	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-2150-104	
Total	Individual Answers
4	<i>See below for Individual Results</i>

Comments were made in previous evaluation.

use a microphone pls

I learned so much in this class and Professor Bloomfield is a great lecturer. However, the amount of time it requires to understand the material and complete the labs is astronomical. The class should definitely be worth more credits.

Great course!