

# CS 2150-104 Program & Data Representation - Spring 2017

ENGR (18063)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 33 / Enrollment: 44

Summary: CS 2150-104 Program & Data Representation - Spring 2017 (18063)	
<b>Overall Course Rating</b> CS-2150-104 Mean 4.27 CS-2150-104 Std Dev 1.04 CS-2150-104 Response Count 165  SEAS, 2000-level courses Mean 4.01 SEAS, 2000-level courses Std Dev 1.04 SEAS, 2000-level courses Response Count 20529	<b>Overall Instructor Rating</b> INSTRUCTOR: Bloomfield, Aaron S. Mean 4.55 Std Dev 0.75 Response Count 230  SEAS, 2000-level courses Mean 4.29 SEAS, 2000-level courses Std Dev 0.86 SEAS, 2000-level courses Response Count 31834

~ 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 ~ <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>33</td> <td>4.76</td> <td>0.50</td> <td>26 (78.79%)</td> <td>6 (18.18%)</td> <td>1 (3.03%)</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>4105</td> <td>4.37</td> <td>0.74</td> <td>1992 (48.53%)</td> <td>1723 (41.97%)</td> <td>262 (6.38%)</td> <td>77 (1.88%)</td> <td>23 (0.56%)</td> <td>28 (0.68%)</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)	33	4.76	0.50	26 (78.79%)	6 (18.18%)	1 (3.03%)	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)	4105	4.37	0.74	1992 (48.53%)	1723 (41.97%)	262 (6.38%)	77 (1.88%)	23 (0.56%)	28 (0.68%)
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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 ~ <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>33</td> <td>4.52</td> <td>0.77</td> <td>20 (60.61%)</td> <td>8 (24.24%)</td> <td>2 (6.06%)</td> <td>1 (3.03%)</td> <td>0 (0.00%)</td> <td>2 (6.06%)</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>4561</td> <td>4.16</td> <td>0.96</td> <td>1912 (41.92%)</td> <td>1735 (38.04%)</td> <td>447 (9.80%)</td> <td>241 (5.28%)</td> <td>96 (2.10%)</td> <td>130 (2.85%)</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)	33	4.52	0.77	20 (60.61%)	8 (24.24%)	2 (6.06%)	1 (3.03%)	0 (0.00%)	2 (6.06%)	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)	4561	4.16	0.96	1912 (41.92%)	1735 (38.04%)	447 (9.80%)	241 (5.28%)	96 (2.10%)	130 (2.85%)
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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 ~ <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>33</td> <td>4.06</td> <td>1.25</td> <td>17 (51.52%)</td> <td>8 (24.24%)</td> <td>3 (9.09%)</td> <td>3 (9.09%)</td> <td>2 (6.06%)</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>4114</td> <td>4.10</td> <td>1.01</td> <td>1658 (40.30%)</td> <td>1707 (41.49%)</td> <td>322 (7.83%)</td> <td>280 (6.81%)</td> <td>128 (3.11%)</td> <td>19 (0.46%)</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)	33	4.06	1.25	17 (51.52%)	8 (24.24%)	3 (9.09%)	3 (9.09%)	2 (6.06%)	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)	4114	4.10	1.01	1658 (40.30%)	1707 (41.49%)	322 (7.83%)	280 (6.81%)	128 (3.11%)	19 (0.46%)
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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)
33	4.67	0.60	24 (72.73%)	7 (21.21%)	2 (6.06%)	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)
4102	4.13	0.95	1611 (39.27%)	1555 (37.91%)	457 (11.14%)	202 (4.92%)	80 (1.95%)	197 (4.80%)

**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)
33	3.38	1.36	5 (15.15%)	2 (6.06%)	4 (12.12%)	4 (12.12%)	1 (3.03%)	17 (51.52%)

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)
4109	3.49	1.20	650 (15.82%)	894 (21.76%)	684 (16.65%)	374 (9.10%)	221 (5.38%)	1286 (31.30%)

**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)
32	4.60	0.72	21 (65.62%)	7 (21.88%)	1 (3.12%)	1 (3.12%)	0 (0.00%)	2 (6.25%)

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)
4535	4.09	0.96	1730 (38.15%)	1866 (41.15%)	500 (11.03%)	254 (5.60%)	103 (2.27%)	82 (1.81%)

**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)
33	4.81	0.48	26 (78.79%)	4 (12.12%)	1 (3.03%)	0 (0.00%)	0 (0.00%)	2 (6.06%)

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)
4551	4.56	0.67	2836 (62.32%)	1365 (29.99%)	176 (3.87%)	37 (0.81%)	26 (0.57%)	111 (2.44%)

**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)
33	4.67	0.55	21 (63.64%)	8 (24.24%)	1 (3.03%)	0 (0.00%)	0 (0.00%)	3 (9.09%)

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)
4550	4.42	0.77	2416 (53.10%)	1620 (35.60%)	273 (6.00%)	86 (1.89%)	42 (0.92%)	113 (2.48%)

~ 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)
33	4.03	1.02	12 (36.36%)	14 (42.42%)	4 (12.12%)	2 (6.06%)	1 (3.03%)	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)
4099	3.80	1.09	1041 (25.40%)	1389 (33.89%)	648 (15.81%)	314 (7.66%)	154 (3.76%)	553 (13.49%)

**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)
33	4.10	1.08	13 (39.39%)	13 (39.39%)	1 (3.03%)	3 (9.09%)	1 (3.03%)	2 (6.06%)

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)
4551	4.15	0.89	1755 (38.56%)	1949 (42.83%)	504 (11.07%)	192 (4.22%)	66 (1.45%)	85 (1.87%)

**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)
33	4.55	0.74	19 (57.58%)	8 (24.24%)	1 (3.03%)	1 (3.03%)	0 (0.00%)	4 (12.12%)

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)
4550	4.38	0.77	2272 (49.93%)	1759 (38.66%)	272 (5.98%)	84 (1.85%)	47 (1.03%)	116 (2.55%)

**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)
33	4.59	0.63	19 (57.58%)	8 (24.24%)	2 (6.06%)	0 (0.00%)	0 (0.00%)	4 (12.12%)

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)
4536	4.27	0.84	2019 (44.51%)	1799 (39.66%)	387 (8.53%)	136 (3.00%)	53 (1.17%)	142 (3.13%)

**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)
33	0 (0.00%)	1 (3.03%)	4 (12.12%)	9 (27.27%)	19 (57.58%)

Results for SEAS, 2000-level courses					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
4111	350 (8.51%)	1186 (28.85%)	1536 (37.36%)	614 (14.94%)	425 (10.34%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~																
<p><b>14. I learned a great deal in this course.</b></p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-2150-104																
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4103	4.18	0.91	1750 (42.65%)	1673 (40.78%)	423 (10.31%)	188 (4.58%)	69 (1.68%)										
<p><b>15. Overall, this was a worthwhile course.</b></p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-2150-104																
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4103	4.13	0.97	1727 (42.09%)	1575 (38.39%)	492 (11.99%)	216 (5.26%)	93 (2.27%)										
<p><b>16. The course's goals and requirements were defined and adhered to by the instructor.</b></p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-2150-104, Bloomfield, Aaron S.																
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<p><b>17. The instructor was approachable and made himself/herself available to students outside the classroom.</b></p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-2150-104, Bloomfield, Aaron S.																
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	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)									
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<p><b>18. Overall, the instructor was an effective teacher.</b></p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-2150-104, Bloomfield, Aaron S.																
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~ 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
12	See below for Individual Results

Nothing much, just have better comments for on returned items and possibly a better explanation of certain concepts but everything was fine the way it is.

I love this class.

it was mad hard

I think having better distributed TA's, and having office hours start a little bit earlier for harder labs would be a good idea.

I didnt have Bloomfield, but I heard he is also an outstanding professor. The class is very difficult and time consuming, but it is well worth and you learn a great deal from doing the labs.

Helpful class. The TAs were pretty helpful. I wish lab was optional because I would often just do it on my own before or after because it takes longer to do than the assigned lab time.

Fix regrade policy.

Jesus God, have mercy.

In terms of just the lab itself: The TAs in this lab section were top notch. They really helped me break concepts down and understand what I needed to for the in lab assignment. The lab time I thought was useful. I really don't understand why people sign in and then leave. I appreciated more time with people that were knowledgeable on what we were doing. Overall this class taught me a lot of things and made me a better programmer because prior to this class I couldn't consider myself one.

Very useful class

Great class! Thank you so much Bloomfield. Also, you should really change that line in lab 11 from "Sauron, the destructor of Middle Earth" to "Melkor (or Morgoth), the destructor of Middle Earth". It's better and you know it.

This was a great course. There was a lot of work, but it was expected from the first day so I was prepared.