

CS 2150-105 Program & Data Representation - Spring 2017

ENGR (18252)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 32 / Enrollment: 43

Summary: CS 2150-105 Program & Data Representation - Spring 2017 (18252)	
Overall Course Rating CS-2150-105 Mean 3.95 CS-2150-105 Std Dev 1.13 CS-2150-105 Response Count 155 SEAS, 2000-level courses Mean 4.01 SEAS, 2000-level courses Std Dev 1.04 SEAS, 2000-level courses Response Count 20529	Overall Instructor Rating INSTRUCTOR: Bloomfield, Aaron S. Mean 4.52 Std Dev 0.69 Response Count 217 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>1. The course addressed technically rigorous subject matter consistent with the course objectives.</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-2150-105</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>31</td> <td>4.70</td> <td>0.47</td> <td>21 (67.74%)</td> <td>9 (29.03%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> <td>1 (3.23%)</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-2150-105									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	31	4.70	0.47	21 (67.74%)	9 (29.03%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (3.23%)	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>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 ~ <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-2150-105, 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>31</td> <td>4.38</td> <td>0.82</td> <td>16 (51.61%)</td> <td>9 (29.03%)</td> <td>3 (9.68%)</td> <td>1 (3.23%)</td> <td>0 (0.00%)</td> <td>2 (6.45%)</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-2150-105, Bloomfield, Aaron S.									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	31	4.38	0.82	16 (51.61%)	9 (29.03%)	3 (9.68%)	1 (3.23%)	0 (0.00%)	2 (6.45%)	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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~ 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-2150-105								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
31	4.39	0.76	16 (51.61%)	12 (38.71%)	2 (6.45%)	1 (3.23%)	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-2150-105								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
31	3.22	0.44	0 (0.00%)	2 (6.45%)	7 (22.58%)	0 (0.00%)	0 (0.00%)	22 (70.97%)

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-2150-105, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
31	4.52	0.74	18 (58.06%)	9 (29.03%)	1 (3.23%)	1 (3.23%)	0 (0.00%)	2 (6.45%)

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-2150-105, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
31	4.86	0.35	25 (80.65%)	4 (12.90%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (6.45%)

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-2150-105, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
31	4.68	0.48	19 (61.29%)	9 (29.03%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (9.68%)

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-2150-105								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
31	3.73	0.87	5 (16.13%)	15 (48.39%)	7 (22.58%)	3 (9.68%)	0 (0.00%)	1 (3.23%)

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-2150-105, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
31	4.29	0.71	12 (38.71%)	12 (38.71%)	4 (12.90%)	0 (0.00%)	0 (0.00%)	3 (9.68%)

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-2150-105, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
31	4.43	0.79	16 (51.61%)	9 (29.03%)	2 (6.45%)	1 (3.23%)	0 (0.00%)	3 (9.68%)

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-2150-105, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
31	4.50	0.69	17 (54.84%)	8 (25.81%)	3 (9.68%)	0 (0.00%)	0 (0.00%)	3 (9.68%)

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-2150-105					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
31	0 (0.00%)	3 (9.68%)	2 (6.45%)	7 (22.58%)	19 (61.29%)

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 ~

14. I learned a great deal in this course.

Question Type: Likert
 ~
 contributed by Office of the Provost

Results for CS-2150-105							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
31	4.68	0.48	21 (67.74%)	10 (32.26%)	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)
4103	4.18	0.91	1750 (42.65%)	1673 (40.78%)	423 (10.31%)	188 (4.58%)	69 (1.68%)

15. Overall, this was a worthwhile course.

Question Type: Likert
 ~
 contributed by Office of the Provost

Results for CS-2150-105							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
31	4.45	0.89	19 (61.29%)	9 (29.03%)	2 (6.45%)	0 (0.00%)	1 (3.23%)

Results for SEAS, 2000-level courses							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
4103	4.13	0.97	1727 (42.09%)	1575 (38.39%)	492 (11.99%)	216 (5.26%)	93 (2.27%)

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-2150-105, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
31	4.48	0.57	16 (51.61%)	14 (45.16%)	1 (3.23%)	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)
4540	4.32	0.73	1985 (43.72%)	2147 (47.29%)	303 (6.67%)	71 (1.56%)	34 (0.75%)

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-2150-105, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
31	4.29	0.74	14 (45.16%)	12 (38.71%)	5 (16.13%)	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)
4547	4.34	0.78	2250 (49.48%)	1760 (38.71%)	412 (9.06%)	91 (2.00%)	34 (0.75%)

18. Overall, the instructor was an effective teacher.

Question Type: Likert
 ~
 contributed by Office of the Provost

Results for CS-2150-105, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
31	4.65	0.61	22 (70.97%)	7 (22.58%)	2 (6.45%)	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)
4560	4.22	0.93	2094 (45.92%)	1729 (37.92%)	469 (10.29%)	168 (3.68%)	100 (2.19%)

~ 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-2150-105	
Total	Individual Answers
15	See below for Individual Results

This was an extremely difficult CS course which was due to the amount of subject matter taught. However the teachers and TA's were outstanding and knowledgeable. The grading policies were fair but the amount of work required was overwhelming. Overall a worthwhile class to take

Lab was tough, but worthwhile. Overall a tough but rewarding course. Some parts of labs seemed unnecessary though.

It was hard. But I learned a lot. But please make this worth more credits, because the amount of work from this class is not consistent with other 3 credit classes.

This course was fairly difficult, but I think the stress I endured throughout the semester was worth it in the end!

I had Mark Floryan, not Bloomfield. Mark is the best!!!!

Great class but it really shouldn't be only a 3 credit class. With the amount I did for the class, I felt that the class should've been weighted at least 4 credits. I think the class should be worth 3 and the lab sections worth 2 or even 3. There's just so much work it's ridiculous how little credit we get for it.

I really liked my lab TAs as well as Bloomfield! Thanks!

Great Course

If this review is for the lab, then I have nothing additional to add to my previous review.

Really great class. Learned a ton. I wish postlabs were due at midnight on Friday instead of noon. Noon was a very inconvenient time for me. Workload wasn't too heavy.

I was not in his class but sometimes attended his lectures and watched his lectures online. He is a brilliant instructor and you can see how much he cares about his students. Again, I think the course work expected for this class is WAY more than what should be expected for the number of credits we receive.

This class is really hard and time consuming. I think it's doable, but it can be extremely overwhelming. I personally had a lot going on in my personal life this semester and balancing my life with 2150 was nearly impossible - going into the final unsure if I'm going to pass. If your mind is in a good place, this course isn't bad (like mine was the first half of the semester), but if you're struggling mentally this class doesn't help (like me going into the second exam). Retaking it will suck for pursuing my degree, but would definitely deepen my understanding of the course material

Class was very disrespectful to our time. Classes seemed to lack teaching us what was needed for the labs sometimes and there were random post-lab tasks that seemed super unrelated. Wish lectures adhered to test theory subject more

Very important class to take for CS students. Although I do feel like we could be taught more of the technical material along with the conceptual material in class just to better help us with the labs. I also felt a little bit rushed at times as we immediately went from one topic to another. For example I suddenly felt like we went from Hashes to Assembly. It just felt a little bit rushed at times especially for the material being as important as they are but otherwise it was a very worthwhile course.

See the other course evaluation I did for the main lecture.