CS 2150-102 **Program & Data Representation** - Fall 2015

ENGR (17557)

INSTRUCTORS: **Bloomfield, Aaron S. (asb2t)**

Respondents: 32 / Enrollment: 44

Summary: CS 2150-102 Program & Data Representation - Fall 2015 (17557)

Overall Course Rating

CS-2150-102 Mean 4.20
CS-2150-102 Std Dev 1.05
CS-2150-102 Response Count 160

SEAS, 2000-level courses Mean 4.08
SEAS, 2000-level courses Std Dev 0.98
SEAS, 2000-level courses Response Count 16504

Overall Instructor Rating

INSTRUCTOR: Bloomfield, Aaron S.
  Mean 4.65
  Std Dev 0.53
  Response Count 222

SEAS, 2000-level courses Mean 4.28
SEAS, 2000-level courses Std Dev 0.87
SEAS, 2000-level courses Response Count 24082

~ QUESTIONS AND DETAILS ~	*~ ANSWER MATRICES ~*

1. The course addressed technically rigorous subject matter consistent with the course objectives.
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Question Type: Likert
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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-102

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
32	4.69	0.54	23 (71.88%)	8 (25.00%)	1 (3.12%)	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)
3306	4.38	0.73	1632 (49.36%)	1375 (41.59%)	216 (6.53%)	55 (1.66%)	17 (0.51%)	11 (0.33%)

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.
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Question Type: Likert
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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-102, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
32	4.45	0.68	16 (50.00%)	14 (43.75%)	0 (0.00%)	1 (3.12%)	0 (0.00%)	1 (3.12%)

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)
3456	4.07	1.01	1361 (39.38%)	1355 (39.21%)	382 (11.05%)	218 (6.31%)	101 (2.92%)	39 (1.13%)

3. There was a reasonable level of effort expected for the credit hours received.
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Question Type: Likert
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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-102

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
32	3.72	1.42	14 (43.75%)	7 (21.88%)	1 (3.12%)	8 (25.00%)	2 (6.25%)	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)
3312	4.14	0.94	1315 (39.70%)	1478 (44.63%)	250 (7.55%)	179 (5.40%)	79 (2.39%)	11 (0.33%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

4. The homework assignments helped me learn the subject matter.
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Question Type: Likert
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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-102

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
32	4.75	0.44	24 (75.00%)	8 (25.00%)	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)
3297	4.26	0.85	1442 (43.74%)	1324 (40.16%)	274 (8.31%)	106 (3.22%)	42 (1.27%)	109 (3.31%)

5. The textbook increased my understanding of the material.
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Question Type: Likert
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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-102

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
32	3.87	0.99	5 (15.62%)	4 (12.50%)	5 (15.62%)	1 (3.12%)	0 (0.00%)	17 (53.12%)

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)
3296	3.54	1.20	655 (19.87%)	839 (25.46%)	638 (19.36%)	301 (9.13%)	206 (6.25%)	657 (19.93%)

6. The course material was well organized and developed.
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Question Type: Likert
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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-102, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
31	4.65	0.49	20 (64.52%)	11 (35.48%)	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)
3431	4.17	0.91	1412 (41.15%)	1432 (41.74%)	349 (10.17%)	166 (4.84%)	53 (1.54%)	19 (0.55%)

7. The instructor was knowledgeable about the subject matter.
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Question Type: Likert
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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-102, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
31	4.84	0.37	26 (83.87%)	5 (16.13%)	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)
3441	4.57	0.67	2186 (63.53%)	1039 (30.19%)	144 (4.18%)	30 (0.87%)	17 (0.49%)	25 (0.73%)

8. The instructor was well prepared for class.
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Question Type: Likert
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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-102, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
32	4.81	0.40	26 (81.25%)	6 (18.75%)	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)
3446	4.43	0.76	1889 (54.82%)	1238 (35.93%)	197 (5.72%)	65 (1.89%)	31 (0.90%)	26 (0.75%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

9. I received adequate preparation from the prior courses in the curriculum to be successful in this course.
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Question Type: Likert
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contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-102

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
32	3.78	1.04	9 (28.12%)	12 (37.50%)	6 (18.75%)	5 (15.62%)	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)
3293	3.97	0.98	939 (28.52%)	1185 (35.99%)	454 (13.79%)	166 (5.04%)	75 (2.28%)	474 (14.39%)

10. The grading policy was fair.
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Question Type: Likert
~
contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-102, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
32	4.44	0.67	17 (53.12%)	12 (37.50%)	3 (9.38%)	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)
3443	4.19	0.88	1416 (41.13%)	1492 (43.33%)	322 (9.35%)	146 (4.24%)	52 (1.51%)	15 (0.44%)

11. The instructor responded adequately to in-class questions.
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Question Type: Likert
~
contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-102, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
32	4.69	0.47	22 (68.75%)	10 (31.25%)	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)
3442	4.36	0.81	1743 (50.64%)	1317 (38.26%)	215 (6.25%)	96 (2.79%)	39 (1.13%)	32 (0.93%)

12. The instructor effectively used technology in support of the learning goals for this course.
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Question Type: Likert
~
contributed by Dean of the School of Engineering and Applied Science

Results for CS-2150-102, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
32	4.69	0.47	22 (68.75%)	10 (31.25%)	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)
3423	4.21	0.88	1448 (42.30%)	1379 (40.29%)	358 (10.46%)	114 (3.33%)	54 (1.58%)	70 (2.04%)

13. The average number of hours per week I spent outside of class preparing for this course was:
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Question Type: Multiple Choice
~
contributed by Office of the Provost

Results for CS-2150-102

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
32	0 (0.00%)	2 (6.25%)	8 (25.00%)	8 (25.00%)	14 (43.75%)

Results for SEAS, 2000-level courses

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
3303	208 (6.30%)	1182 (35.79%)	1240 (37.54%)	414 (12.53%)	259 (7.84%)

~ 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-2150-102

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
32	4.81	0.40	26 (81.25%)	6 (18.75%)	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)
3290	4.25	0.88	1529 (46.47%)	1262 (38.36%)	336 (10.21%)	115 (3.50%)	48 (1.46%)

15. Overall, this was a worthwhile course.
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Question Type: Likert
~
contributed by Office of the Provost

Results for CS-2150-102

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
32	4.75	0.44	24 (75.00%)	8 (25.00%)	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)
3299	4.18	0.95	1491 (45.20%)	1203 (36.47%)	377 (11.43%)	162 (4.91%)	66 (2.00%)

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-2150-102, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
31	4.68	0.54	22 (70.97%)	8 (25.81%)	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)
3436	4.38	0.71	1651 (48.05%)	1525 (44.38%)	195 (5.68%)	44 (1.28%)	21 (0.61%)

17. The instructor was approachable and made himself/herself available to students outside the classroom.
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Question Type: Likert
~
contributed by Office of the Provost

Results for CS-2150-102, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
31	4.45	0.77	18 (58.06%)	10 (32.26%)	2 (6.45%)	1 (3.23%)	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)
3445	4.30	0.81	1630 (47.31%)	1350 (39.19%)	348 (10.10%)	90 (2.61%)	27 (0.78%)

18. Overall, the instructor was an effective teacher.
~
Question Type: Likert
~
contributed by Office of the Provost

Results for CS-2150-102, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
32	4.72	0.46	23 (71.88%)	9 (28.12%)	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)
3455	4.21	0.95	1632 (47.24%)	1232 (35.66%)	355 (10.27%)	166 (4.80%)	70 (2.03%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

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

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Question Type: Short Answer

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contributed by Office of the Provost

Results for CS-2150-102	
Total	Individual Answers
12	*See below for Individual Results*

I made comments in the other course evaluation form.

A well flushed out course. It was difficult but fair. All of the material felt relevant and useful going on into future courses.

There should be more resources available for this class, as it is a rather large jump from the previous two programming courses offered

Professor Bloomfield is an excellent instructor. The course content was difficult, but it was so well organized, I did not get frustrated. Great course.

Could you include an extra credit assignment or not make the late penalties so harsh. I didn't have enough hours in my schedule to bug hunt my code in a timely fashion

Great class! Bloomfield is great.

47 72 65 61 74 20 63 6f 75 72 73 65 2c 20 6d 75 63 68 20 63 6f 6d 70 75 74 65 72 20 73 63 69 65 6e 63 65 2e

Great class, great professor. Well-taught and very informative.

Same comments as the ones I put in the other evaluation.

Some of the pettier details shouldn't be learned in such depth (such as IEEE754 float encoding).

I feel that the course's lab section is a bit of a mummer's farce. The labs take the form of a weekly homework, and I think it would be better to just treat them as such. Forcing everyone to come to lab to request an extension and leave seems quite silly to me. If students need help from TAs, that's what office hours are for. In other words, I would just have three "problem sets" due each week. Alternatively, if the lab format is preferred, at the very least I believe that you should allow the labs to be worked on from home (similar to what you did for the Huffman encoding lab over Thanksgiving break). For those students who do not need any help from the TAs, the weekly chore of coming to class and submitting an extension is really quite pointless. Additionally, I think that the x86 labs' faux-research was by far the least enjoyable part of the course. I'm not saying that CS research is not fun, it is - but compiling code and looking at the output is not "discovering" anything. The point of research is to look forward, while this assignment was looking backward at known, google-able things. In an era where the utility of teaching CS students assembly is being called into question, I think that this assignment was entirely counter-productive. It accomplished nothing but crushing whatever interest in assembly I may have had. Finally, I think that I would replace the Traveling Salesman section of the Graphs lab with Dijkstra's or something more useful.

The lab should be worth 1 credit like physics or chem labs, as the amount of work is pretty much the same, if not greater. Don't call it a discussion and then treat it like a lab; make it a lab or make it a true discussion.