CS 2150-105 **Program & Data Representation** - Spring 2016

ENGR (18267)

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

Respondents: 22 / Enrollment: 40

Summary: CS 2150-105 Program & Data Representation - Spring 2016 (18267)

Overall Course Rating

CS-2150-105 Mean 4.10
CS-2150-105 Std Dev 1.03
CS-2150-105 Response Count 105

Difference from Category Mean, Expressed in Category Standard Deviations	
	0.05

SEAS, 2000-level courses Mean 4.05
SEAS, 2000-level courses Std Dev 1.00
SEAS, 2000-level courses Response Count 16344

Overall Instructor Rating

INSTRUCTOR: Bloomfield, Aaron S.
  Mean 4.32
  Std Dev 0.65
  Response Count 147

Difference from Category Mean, Expressed in Category Standard Deviations	
	0.09

SEAS, 2000-level courses Mean 4.24
SEAS, 2000-level courses Std Dev 0.89
SEAS, 2000-level courses Response Count 23150

~ 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-2150-105

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
22	4.55	0.51	12 (54.55%)	10 (45.45%)	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)
3272	4.38	0.72	1590 (48.59%)	1389 (42.45%)	213 (6.51%)	38 (1.16%)	23 (0.70%)	19 (0.58%)

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-2150-105, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
21	4.30	0.66	8 (38.10%)	10 (47.62%)	2 (9.52%)	0 (0.00%)	0 (0.00%)	1 (4.76%)

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	4.06	1.01	1289 (38.92%)	1237 (37.35%)	411 (12.41%)	213 (6.43%)	83 (2.51%)	79 (2.39%)

3. There was a reasonable level of effort expected for the credit hours received.
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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)
20	3.55	1.39	6 (30.00%)	7 (35.00%)	1 (5.00%)	4 (20.00%)	2 (10.00%)	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)
3267	4.09	1.00	1294 (39.61%)	1392 (42.61%)	265 (8.11%)	204 (6.24%)	104 (3.18%)	8 (0.24%)

~ 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-2150-105

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
21	4.62	0.59	14 (66.67%)	6 (28.57%)	1 (4.76%)	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)
3265	4.17	0.91	1286 (39.39%)	1278 (39.14%)	318 (9.74%)	136 (4.17%)	54 (1.65%)	193 (5.91%)

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-2150-105

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
21	3.45	1.13	2 (9.52%)	3 (14.29%)	5 (23.81%)	0 (0.00%)	1 (4.76%)	10 (47.62%)

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)
3268	3.55	1.15	487 (14.90%)	718 (21.97%)	548 (16.77%)	245 (7.50%)	138 (4.22%)	1132 (34.64%)

6. The course material was well organized and developed.
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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)
21	4.25	0.64	7 (33.33%)	11 (52.38%)	2 (9.52%)	0 (0.00%)	0 (0.00%)	1 (4.76%)

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)
3310	4.03	1.01	1205 (36.40%)	1358 (41.03%)	379 (11.45%)	231 (6.98%)	89 (2.69%)	48 (1.45%)

7. The instructor was knowledgeable about the subject matter.
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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)
21	4.42	0.61	9 (42.86%)	9 (42.86%)	1 (4.76%)	0 (0.00%)	0 (0.00%)	2 (9.52%)

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)
3310	4.55	0.68	2032 (61.39%)	1025 (30.97%)	133 (4.02%)	30 (0.91%)	21 (0.63%)	69 (2.08%)

8. The instructor was well prepared for class.
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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)
21	4.42	0.61	9 (42.86%)	9 (42.86%)	1 (4.76%)	0 (0.00%)	0 (0.00%)	2 (9.52%)

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)
3305	4.35	0.83	1673 (50.62%)	1190 (36.01%)	257 (7.78%)	84 (2.54%)	41 (1.24%)	60 (1.82%)

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~ 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-2150-105

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
21	3.95	0.89	4 (19.05%)	13 (61.90%)	2 (9.52%)	0 (0.00%)	1 (4.76%)	1 (4.76%)

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)
3272	3.85	1.05	854 (26.10%)	1198 (36.61%)	490 (14.98%)	235 (7.18%)	104 (3.18%)	391 (11.95%)

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-2150-105, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
21	4.10	0.83	7 (33.33%)	10 (47.62%)	3 (14.29%)	1 (4.76%)	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)
3311	4.12	0.90	1224 (36.97%)	1466 (44.28%)	377 (11.39%)	158 (4.77%)	49 (1.48%)	37 (1.12%)

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-2150-105, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
21	4.37	0.60	8 (38.10%)	10 (47.62%)	1 (4.76%)	0 (0.00%)	0 (0.00%)	2 (9.52%)

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)
3303	4.36	0.78	1597 (48.35%)	1328 (40.21%)	199 (6.02%)	75 (2.27%)	29 (0.88%)	75 (2.27%)

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-2150-105, Bloomfield, Aaron S.

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
21	4.42	0.61	9 (42.86%)	9 (42.86%)	1 (4.76%)	0 (0.00%)	0 (0.00%)	2 (9.52%)

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)
3299	4.23	0.87	1417 (42.95%)	1290 (39.10%)	334 (10.12%)	119 (3.61%)	40 (1.21%)	99 (3.00%)

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-2150-105

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
21	0 (0.00%)	1 (4.76%)	4 (19.05%)	6 (28.57%)	10 (47.62%)

Results for SEAS, 2000-level courses

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
3272	237 (7.24%)	1150 (35.15%)	1191 (36.40%)	413 (12.62%)	281 (8.59%)

~ 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)
21	4.67	0.58	15 (71.43%)	5 (23.81%)	1 (4.76%)	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)
3261	4.19	0.89	1379 (42.29%)	1349 (41.37%)	352 (10.79%)	134 (4.11%)	47 (1.44%)

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)
20	4.40	0.60	9 (45.00%)	10 (50.00%)	1 (5.00%)	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)
3257	4.12	0.97	1341 (41.17%)	1271 (39.02%)	403 (12.37%)	169 (5.19%)	73 (2.24%)

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)
21	4.33	0.58	8 (38.10%)	12 (57.14%)	1 (4.76%)	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)
3300	4.29	0.78	1444 (43.76%)	1504 (45.58%)	248 (7.52%)	73 (2.21%)	31 (0.94%)

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)
21	3.90	0.89	6 (28.57%)	8 (38.10%)	6 (28.57%)	1 (4.76%)	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)
3303	4.28	0.81	1512 (45.78%)	1345 (40.72%)	336 (10.17%)	84 (2.54%)	26 (0.79%)

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)
21	4.14	0.73	7 (33.33%)	10 (47.62%)	4 (19.05%)	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)
3317	4.18	0.96	1481 (44.65%)	1257 (37.90%)	348 (10.49%)	148 (4.46%)	83 (2.50%)

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~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

19. Please make any overall comments or observations about this course:
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Question Type: Short Answer
~
contributed by Office of the Provost

Results for CS-2150-105	
Total	Individual Answers
11	*See below for Individual Results*

This is an incredibly difficult lab that doesn't have any credits directly associated with it. It is linked to CS 2150 lecture so overall there are 3 credits but I believe that 2150 should be 4 credits for its sheer workload. Also, I learned a ton so I feel reducing its content instead would be a very poor choice.

ok lab

When TAs looked up from their phones and scanned the room for questions, they magically never saw my hand.

The regular in-lab TAs were pretty good and seemed to know what they were talking about. One week a different TA came in and I'm not sure what her name was but she was kind of confusing.

The labs were some of the most difficult, time-consuming assignments that I have completed here at UVA. Although I do feel as if they aided my learning, I also felt as if they affected my studies, not only for other classes but for this class also. After spending around 12 hours, for the prelab, 4 hours for the inlab and 5 for the postlab, I find it hard to study. Especially since the labs are scheduled for the week before each midterm. Overall, this course was fair -- in grading and on tests -- however some of the labs were unnecessary (such as Lab 12).

This class is so hard. One bug can lead to a 2-hour long process of debugging. Unlike a career, though, I have 12 other credits I have to deal with, and that 2-hour debugging session just tanks my morale for the class completely. But that has nothing to do with the effectiveness of the class. The class itself is great. I just hope I pass it with a C-!!!! HELP!!!

I have no huge issues with the labs. I enjoyed the programming parts as little puzzles to solve. The write-ups were irritating because they were time consuming, but I understand what they were trying to do, and I don't know how they would make them better. I will say that the lab submission system should be changed to allow for multiple files to be uploaded on a single push of the "upload" button (instead of needing to click each subsequent button to upload another file), and to keep the uploaded files even when there's a compilation error (so we can simply re-upload the broken file, and not have to go through and re-select the entire list of files).

N/A

I really liked the online lectures

Bloomfield is AWESOME!!