# CS 2150-001 **Program & Data Representation** - Fall 2013

ENGR (17676)

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

Respondents: 58 / Enrollment: 116

## Summary: CS 2150-001 Program & Data Representation - Fall 2013 (17676)

**Overall Course Rating**

CS-2150-001 Mean 4.30
CS-2150-001 Std Dev 0.98
CS-2150-001 Response Count 290

| Difference from Category Mean, Expressed in Category Standard Deviations | 0.22 |
|---|---|

SEAS, 2000-level courses Mean 4.09
SEAS, 2000-level courses Std Dev 0.96
SEAS, 2000-level courses Response Count 14500

**Overall Instructor Rating**

INSTRUCTOR: Bloomfield, Aaron S.
Mean 4.62
Std Dev 0.72
Response Count 403

| Difference from Category Mean, Expressed in Category Standard Deviations | 0.41 |
|---|---|

SEAS, 2000-level courses Mean 4.25
SEAS, 2000-level courses Std Dev 0.89
SEAS, 2000-level courses Response Count 22800

| *~ QUESTIONS AND DETAILS ~* | *~ ANSWER MATRICES ~* |
|---|---|
| **1. Please list any comments (pro or con) about the teaching assistants here. These results will be passed onto the TAs so that they also have some feedback from the course evaluations.**<br>~<br>Question Type: Short Answer<br>~<br>*contributed by Bloomfield, Aaron S. (asb2t)* | Results for CS-2150-001, Bloomfield, Aaron S.<br>Total: 43 — Individual Answers: See below for Individual Results |
| | (redacted) |

| ~ QUESTIONS AND DETAILS ~ | ~ ANSWER MATRICES ~ |
| --- | --- |
| | (redacted) |

| ~ QUESTIONS AND DETAILS ~ | ~ ANSWER MATRICES ~ |
|---|---|
| | (redacted) |

**2. 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-2150-001

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | Not Applicable (NA) |
|---|---|---|---|---|---|---|---|---|
| 58 | 4.84 | 0.41 | 50 (86.21%) | 7 (12.07%) | 1 (1.72%) | 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) |
|---|---|---|---|---|---|---|---|---|
| 2902 | 4.41 | 0.67 | 1432 (49.35%) | 1271 (43.80%) | 145 (5.00%) | 35 (1.21%) | 7 (0.24%) | 12 (0.41%) |

**3. 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-2150-001, Bloomfield, Aaron S.

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | Not Applicable (NA) |
|---|---|---|---|---|---|---|---|---|
| 58 | 4.27 | 1.02 | 32 (55.17%) | 12 (20.69%) | 8 (13.79%) | 3 (5.17%) | 1 (1.72%) | 2 (3.45%) |

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) |
|---|---|---|---|---|---|---|---|---|
| 3264 | 4.06 | 1.04 | 1244 (38.11%) | 1161 (35.57%) | 357 (10.94%) | 196 (6.00%) | 104 (3.19%) | 202 (6.19%) |

**4. 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-2150-001

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | Not Applicable (NA) |
|---|---|---|---|---|---|---|---|---|
| 58 | 3.62 | 1.36 | 21 (36.21%) | 15 (25.86%) | 5 (8.62%) | 13 (22.41%) | 4 (6.90%) | 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) |
|---|---|---|---|---|---|---|---|---|
| 2904 | 4.20 | 0.90 | 1229 (42.32%) | 1263 (43.49%) | 213 (7.33%) | 136 (4.68%) | 55 (1.89%) | 8 (0.28%) |

**5. 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-2150-001

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | Not Applicable (NA) |
|---|---|---|---|---|---|---|---|---|
| 58 | 4.67 | 0.51 | 40 (68.97%) | 17 (29.31%) | 1 (1.72%) | 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) |
|---|---|---|---|---|---|---|---|---|
| 2900 | 4.24 | 0.86 | 1237 (42.66%) | 1170 (40.34%) | 269 (9.28%) | 92 (3.17%) | 40 (1.38%) | 92 (3.17%) |

*~ QUESTIONS AND DETAILS ~* | *~ ANSWER MATRICES ~*

**6. 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-2150-001

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | Not Applicable (NA) |
|---|---|---|---|---|---|---|---|---|
| 58 | 3.28 | 0.83 | 2 (3.45%) | 3 (5.17%) | 11 (18.97%) | 2 (3.45%) | 0 (0.00%) | 40 (68.97%) |

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) |
|---|---|---|---|---|---|---|---|---|
| 2897 | 3.54 | 1.14 | 551 (19.02%) | 833 (28.75%) | 626 (21.61%) | 308 (10.63%) | 149 (5.14%) | 430 (14.84%) |

**7. 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-2150-001, Bloomfield, Aaron S.

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | Not Applicable (NA) |
|---|---|---|---|---|---|---|---|---|
| 58 | 4.66 | 0.61 | 41 (70.69%) | 15 (25.86%) | 1 (1.72%) | 1 (1.72%) | 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) |
|---|---|---|---|---|---|---|---|---|
| 3259 | 4.15 | 0.93 | 1271 (39.00%) | 1236 (37.93%) | 365 (11.20%) | 140 (4.30%) | 58 (1.78%) | 189 (5.80%) |

**8. 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-2150-001, Bloomfield, Aaron S.

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | Not Applicable (NA) |
|---|---|---|---|---|---|---|---|---|
| 57 | 4.84 | 0.37 | 48 (84.21%) | 9 (15.79%) | 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) |
|---|---|---|---|---|---|---|---|---|
| 3255 | 4.54 | 0.75 | 2017 (61.97%) | 829 (25.47%) | 155 (4.76%) | 50 (1.54%) | 31 (0.95%) | 173 (5.31%) |

**9. 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-2150-001, Bloomfield, Aaron S.

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | Not Applicable (NA) |
|---|---|---|---|---|---|---|---|---|
| 58 | 4.86 | 0.35 | 50 (86.21%) | 8 (13.79%) | 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) |
|---|---|---|---|---|---|---|---|---|
| 3254 | 4.39 | 0.81 | 1668 (51.26%) | 1061 (32.61%) | 237 (7.28%) | 66 (2.03%) | 33 (1.01%) | 189 (5.81%) |

**10. 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-2150-001

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | Not Applicable (NA) |
|---|---|---|---|---|---|---|---|---|
| 58 | 4.36 | 0.68 | 26 (44.83%) | 23 (39.66%) | 6 (10.34%) | 0 (0.00%) | 0 (0.00%) | 3 (5.17%) |

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) |
|---|---|---|---|---|---|---|---|---|
| 2897 | 3.95 | 0.97 | 787 (27.17%) | 1095 (37.80%) | 443 (15.29%) | 141 (4.87%) | 66 (2.28%) | 365 (12.60%) |

*~ QUESTIONS AND DETAILS ~* | *~ ANSWER MATRICES ~*

**11. The grading policy was fair.**

Question Type: Likert

*contributed by Dean of the School of Engineering and Applied Science*

Results for CS-2150-001, Bloomfield, Aaron S.

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | Not Applicable (NA) |
|---|---|---|---|---|---|---|---|---|
| 58 | 4.22 | 1.04 | 32 (55.17%) | 13 (22.41%) | 8 (13.79%) | 4 (6.90%) | 1 (1.72%) | 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) |
|---|---|---|---|---|---|---|---|---|
| 3261 | 4.10 | 0.89 | 1122 (34.41%) | 1352 (41.46%) | 424 (13.00%) | 123 (3.77%) | 48 (1.47%) | 192 (5.89%) |

**12. 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-2150-001, Bloomfield, Aaron S.

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | Not Applicable (NA) |
|---|---|---|---|---|---|---|---|---|
| 57 | 4.70 | 0.60 | 43 (75.44%) | 12 (21.05%) | 1 (1.75%) | 1 (1.75%) | 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) |
|---|---|---|---|---|---|---|---|---|
| 3255 | 4.29 | 0.85 | 1481 (45.50%) | 1159 (35.61%) | 284 (8.73%) | 90 (2.76%) | 40 (1.23%) | 201 (6.18%) |

**13. 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-2150-001, Bloomfield, Aaron S.

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | Not Applicable (NA) |
|---|---|---|---|---|---|---|---|---|
| 57 | 4.75 | 0.43 | 43 (75.44%) | 14 (24.56%) | 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) |
|---|---|---|---|---|---|---|---|---|
| 3252 | 4.18 | 0.86 | 1264 (38.87%) | 1263 (38.84%) | 389 (11.96%) | 109 (3.35%) | 31 (0.95%) | 196 (6.03%) |

**14. 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-2150-001

| Total | Less than 1 (NA) | 1 - 3 (NA) | 4 - 6 (NA) | 7 - 9 (NA) | 10 or more (NA) |
|---|---|---|---|---|---|
| 58 | 0 (0.00%) | 7 (12.07%) | 10 (17.24%) | 16 (27.59%) | 25 (43.10%) |

Results for SEAS, 2000-level courses

| Total | Less than 1 (NA) | 1 - 3 (NA) | 4 - 6 (NA) | 7 - 9 (NA) | 10 or more (NA) |
|---|---|---|---|---|---|
| 2907 | 163 (5.61%) | 898 (30.89%) | 1236 (42.52%) | 420 (14.45%) | 190 (6.54%) |

**15. I learned a great deal in this course.**

Question Type: Likert

*contributed by Office of the Provost*

Results for CS-2150-001

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
|---|---|---|---|---|---|---|---|
| 58 | 4.71 | 0.70 | 46 (79.31%) | 9 (15.52%) | 2 (3.45%) | 0 (0.00%) | 1 (1.72%) |

Results for SEAS, 2000-level courses

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
|---|---|---|---|---|---|---|---|
| 2897 | 4.24 | 0.86 | 1291 (44.56%) | 1171 (40.42%) | 307 (10.60%) | 87 (3.00%) | 41 (1.42%) |

*~ QUESTIONS AND DETAILS ~* | *~ ANSWER MATRICES ~*

**16. Overall, this was a worthwhile course.**

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Question Type: Likert

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*contributed by Office of the Provost*

Results for CS-2150-001

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
|---|---|---|---|---|---|---|---|
| 57 | 4.65 | 0.79 | 44 (77.19%) | 9 (15.79%) | 2 (3.51%) | 1 (1.75%) | 1 (1.75%) |

Results for SEAS, 2000-level courses

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
|---|---|---|---|---|---|---|---|
| 2899 | 4.19 | 0.94 | 1306 (45.05%) | 1084 (37.39%) | 324 (11.18%) | 126 (4.35%) | 59 (2.04%) |

**17. The course's goals and requirements were defined and adhered to by the instructor.**

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Question Type: Likert

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*contributed by Office of the Provost*

Results for CS-2150-001, Bloomfield, Aaron S.

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
|---|---|---|---|---|---|---|---|
| 58 | 4.72 | 0.52 | 44 (75.86%) | 12 (20.69%) | 2 (3.45%) | 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) |
|---|---|---|---|---|---|---|---|
| 3241 | 4.24 | 0.85 | 1408 (43.44%) | 1373 (42.36%) | 350 (10.80%) | 47 (1.45%) | 63 (1.94%) |

**18. The instructor was approachable and made himself/herself available to students outside the classroom.**

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Question Type: Likert

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*contributed by Office of the Provost*

Results for CS-2150-001, Bloomfield, Aaron S.

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
|---|---|---|---|---|---|---|---|
| 58 | 4.48 | 0.82 | 36 (62.07%) | 17 (29.31%) | 3 (5.17%) | 1 (1.72%) | 1 (1.72%) |

Results for SEAS, 2000-level courses

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
|---|---|---|---|---|---|---|---|
| 3247 | 4.20 | 0.92 | 1482 (45.64%) | 1159 (35.69%) | 456 (14.04%) | 86 (2.65%) | 64 (1.97%) |

**19. Overall, the instructor was an effective teacher.**

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Question Type: Likert

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*contributed by Office of the Provost*

Results for CS-2150-001, Bloomfield, Aaron S.

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
|---|---|---|---|---|---|---|---|
| 58 | 4.71 | 0.65 | 44 (75.86%) | 13 (22.41%) | 0 (0.00%) | 0 (0.00%) | 1 (1.72%) |

Results for SEAS, 2000-level courses

| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
|---|---|---|---|---|---|---|---|
| 3260 | 4.16 | 0.99 | 1488 (45.64%) | 1110 (34.05%) | 437 (13.40%) | 134 (4.11%) | 91 (2.79%) |

**20. 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-2150-001

| Total | Individual Answers |
|---|---|
| 44 | See below for Individual Results |

Great class. I really enjoyed it.

Pretty sweet class, the labs were fun I even liked Hash Lab and stuff. Lab only ever really sucked because I had another, long lab report due on Wednesdays, personally I prepared horribly for the tests so I tanked those but the labs kept my grade passing.

need to show some code to students in class and discuss in details so that they can learn more... talking about code is not sufficient.

| ~ QUESTIONS AND DETAILS ~ | ~ ANSWER MATRICES ~ |
|---|---|
| | Great course: a lot of work, but all of it was worthwhile except for a few cumbersome postlab reports. |
| | Very interesting material. I enjoyed how labs frequently attempted to cram in multiple aspects to programming to ease the focus on the data structures (i.e. putting Doxygen or Shell scripting in along with some other assignment). |
| | I learned a great deal of information in this course, and I feel that it has and will definitely improve my coding abilities. Some prelabs took a lot of time (longest prelab took around 7 hours), but they were not "busy work." All of them were related to the lectures and helped me better understand the subject. |
| | Homework could be too hard and 3 homework due every week can be hard for students with a heavier course load. This course will be better if the instructor can reduce some amount of work or increase the credit hours received. (this sentence redacted)<br>Exams are hard to study for because the instructor is inconsistent<br>on his focus of the materials. |
| | Very challenging material and very fast paced course. The lack of a textbook was interesting but at times frustrating. the lack of collaborative learning (ie. working with a partner) was a huge misstep in my opinion, but I understand the types of problems they are trying to avoid with that style. The lab instructions could be more concise or better organized - although the Wiki was a pretty good format (editable by instructor). I really thought this course was at least "4 credits" worth of material covered/expectations. |
| | Thank you for teaching us so much this semester. I feel like I have learned an incredible amount of cs just in this one class. Definitely one of my favorite classes and well worth the time and effort put into it. I feel like you expected a lot from your students (which is a good thing) and gave us many opportunities to meet your expectations as well. Very fair and worthwhile class. Thanks again! |
| | Excellent course. Rigorous but incredibly rewarding. Best and most beneficial course yet. Bittersweet to have it end. |
| | For the amount of work required, this course should really be worth 4 credits instead of 3. I spent the most time on this course compared to my others. However, I feel like I learned a lot. Also, it would have been helpful to have some sort of reference book for the material instead of online readings, because I dislike reading lengthy material on the computer screen. |
| | Great course. Demands a lot but gives a lot of knowledge in return. |
| | By far the best course I have taken here at UVA. It was rigorous but highly rewarding. The lectures were excellent. |
| | One of the best classes I have taken at UVa. Very informative and taught extremely well. It is a lot of work, personally I didn't think it was hard, just time consuming. |
| | I learned more in this class than any other class I have ever taken. That made it worthwhile. The only problem however was the time commitment. The labs/homework took waaaaaaaaaaaaaay too much time. On average I would literally spend over 20 hours a week on this one class; often finding myself moored in thornton stacks from 5pm until well into the morning. A few times I stayed up all night Monday night finishing the lab (which was admittedly my fault for having not started earlier). I believe the course can be more productive/efficient if more time was spent teaching us how to specifically go about doing the labs instead of relying on ourselves and a few TAs at a time, to figure out things that would otherwise take much less time. But, overall, I'm quite happy. It really is amazing how much I learned in the course. |
| | Bloomfield was not approachable at all. |
| | Professor Bloomfield was very understanding and friendly once I actually took the chance of meeting him in person, but in class he has an intense/slightly aloof air that made me hesitant to take that first step. Regardless, I learned a lot in this course, even if I do feel that some of the labs were a bit demanding. |
| | Please pay Prof. Bloomfield more, he's probably the hardest working professor at UVa and he genuinely cares about his students. |
| | Keep up the good work! One of the best and challenging classes I've taken. |
| | Best CS class I have taken so far. |
| | even thought this course takes a lot of work, but it worth that |
| | This has been, by far, my favorite CS class at UVA. Thanks, Professor Bloomfield! |
| | Overall, I thought this was very well-run course and I learned a lot. There were times that I really hated the class but looking back, I learned more during those times than through the easier assignments. The only suggestion I have is to change the post labs in the second half of the semester. A lot of the time it just felt like busy work and I felt like I didn't learn as much in them as I did in the pre/in labs. Overall though, really happy with the course. |
| | I actually took this course in high school (AP Computer Science ABC) yet I did not get a single credit or placement with it. I literally knew everything that was taught to me already so it was all just review. There should be SOME measures taken place so that kids like me are not bored out of their minds by learning the same course material again and again. That being said, I love Professor Bloomfield and hope to take another class with him again. The humor is a nice touch that my other professors lacked :) |

| ~ QUESTIONS AND DETAILS ~ | ~ ANSWER MATRICES ~ |
|---|---|
| | Great course - difficult, but I learned a lot. |
| | I did not really learn anything from the PDFs, but other than that, this is an excellent course in every aspect. One of the most challenging courses, yet you get out of it what you put into it. |
| | I filled this out on the other evaluation, but again: awesome class, I learned a ton, and Prof. Bloomfield was a great instructor. |
| | The course should definitely be 4 credits for the amount of work required to do well in it. Please find a simpler to lab to assign for the week of Thanksgiving. Some students don't complete the labs as quickly as might be expected, and they have to put in a lot of hours to do well when they should be on break and with family. Finally, maybe there's a way to make the exams scantron tests, so they can be longer and easy to grade. It's really frustrating to study an entire semester's material to come to the final and find only 12 questions covering a small window of topics. |
| | I really enjoyed this class, and I feel like I learned a lot about CS and was a lot more confident in my ability to develop code by the end of the semester. It was definitely a lot of work (more than 3 credit hours for sure) - between prelabs, inlabs, and postlabs I was doing a lot of CS. The hashlab wasn't actually that hard... but it was time-consuming, as was pretty much all of the labs after that. It was pretty bad on weekends when I didn't have time to work ahead. I still loved the class and feel like I learned a lot though. Bloomfield is awesome and knows a ton about the class material & CS in general. Definitely recommend it to anyone interested in CS and not afraid to put in the effort/time required. |
| | Given the amount of work required in this course, it should be worth 4 credits instead of 3. I also wish the tests had more questions. Aaron Bloomfield is a great teacher and I think the CS department should spend its recruiting money on cloning him instead so that he can teach all the CS courses. |
| | More work than most people think. I do not believe the tests were too accurate a gauge of whether we knew the material. |
| | This was one of the hardest, but most useful classes I have taken. It was definitely worth putting effort into. |
| | it would be nice if there could be more grading TAs so the tests could be a little longer and more forgiving |
| | Fantastic ending lecture. |
| | I apologize in advance if this comment is really long, but I do have a lot to say about this course! Firstly, this was one of my favorite classes this semester. I don't think there's ever been any class in which I learned so much. I think I now have a significantly better understanding of how computers compute. Also, Prof. Bloomfield is really amazing as a lecturer. His lectures were always interesting and he clearly was very passionate for the subject. The workload with respect to the credit hours issue has been raised before many times. I will just add that I too agree that this course really needs to be more than 3 credits. We spend hours and hours and hours per week for each assignment. Considering how much I got out of this class, I do believe that all that time and effort was worth it. But I do think this needs to be more credits to reflect this additional amount of effort. In general, Prof. Bloomfield was much more organized and his class was more structured than other CS classes I've taken at UVA. Of course, there is always room for improvement...: A note on grading. I feel that the grading of the labs was fine. However, the grading on the exams was often unfair, in my opinion. The old exams help us study, but it's often difficult to figure out what you're looking for in the questions because they're often vague and can be answered in multiple ways. If you don't write one of the few things that they're looking for, you won't get points, even if what you write is correct. Oftentimes, it felt like we just had to memorize what was stated in the slides/lectures to do well on the tests. (And then there was the final exam, where the answer that was on the slides was deemed not to be specific enough...). I can understand why you don't release grading guidelines/solutions to old exams - people would just memorize those. But it's often difficult to study still, even if you know what question is coming but don't know what answer is being looked for. The grading guidelines didn't really help either. Sometimes, the questions on exams weren't really addressed in lecture or in the slides. Regrades - I understand the department is constrained on resources. However, I honestly do not think that regrades should not take so long. The regrading penalty seems like a good idea to me BUT when solutions are not posted, and the grading guidelines provide no helpful information, it becomes extremely difficult to decide whether to submit a regrade or not. And then there's an explosion on piazza, so any time saved from the fewer regrades is lost since the TAs have to answer more Piazza questions. One idea is perhaps to release solutions for the exams (not the old ones ,just the current one) so it becomes easier to see what answer was being looked for and whether it is worth a shot to submit a regrade. Wiki - The Wiki needs a major overhaul. The lab pages are extremely confusing and hard to understand unless you read them top to bottom at least half a dozen times. One easy way to start is to remove all the outdated material (Cygwin, etc.). I feel like a lot of the time that students have to spend in this course could be reduced if the wiki was better structured. And they would probably learn more too. Recordings - Is there any reason that the daily announcements isn't part of the recording? That would be really helpful. I know that the slides for the announcements get posted, but sometimes things are said/questions are asked that aren't on the slides. Piazza - Helpful, but TAs need to answer more often. I think part of the problem was that some TAs (or maybe just a couple) answered pretty frequently, whereas others never did or hardly ever did. Also, on all my other Piazza classes, "Anonymous to everyone" and "Anonymous to classmates" are both options. However, for CS 2150, the only anonymous option is "Anonymous to classmates". Why is that? Overall, I loved the class (seriously!) but there were times when I felt it could be better. All the above comments are meant to be constructive criticisms/feedback. Also, Prof Bloomfield, please try getting more sleep! Thanks so much for an incredible semester! |
| | Too many students, not enough resources for the teachers. Exams were shortened to make grading easier/faster. |

| ~ QUESTIONS AND DETAILS ~ | ~ ANSWER MATRICES ~ |
| --- | --- |
| | This course takes a disproportionately large amount of time for 3 credits. Readings/outside materials in this course were very hit or miss; some of them were straightforward, but I found that some of them were difficult to decipher even after successfully completing the appropriate lab.<br><br>I learned so much from this course! The labs could be difficult, but they really helped solidify the concepts covered in lecture. It was also very rewarding when I got them to work.<br><br>This has been one of my two favorite classes I've taken so far here at UVA. Bloomfield is a great professor, his lectures are very informative and his jokes are funny. I looked forward to coming to class each day. The grading is very fair. The only criticism I have is that the Huffman lab should not be during Thanksgiving break. I severely underestimated the time it took for the prelab. This was probably the hardest prelab in my opinion. I learned a ton in the labs and in the class overall. Thanks for a great semester, and hope to take a class taught by you in the future!<br><br>Wow. The most valuable 3 credits I've ever taken and probably ever will take.<br><br>This class was amazing. Prof. Bloomfield is a fantastic instructor! He's enthusiastic about the subject, very knowledgeable, and always willing to help students. Yes, the class had a *lot* of work, but it was all worth it. I felt that I learned so much in this course and I'm supremely glad I took it. My only gripe is that I did not enjoy the in-lab sections whatsoever. I code best in silence, so it was very difficult to focus in the lab. (last sentence redacted)<br><br>Bloomfield, you are hands down the best professor at UVa! Though the amount of work kind of sucks, it's really only because of the 3 vs. 4 credit issue that people complain - so basically the E-school's fault not yours. Keep being awesome!<br><br>This was a great course but very rigorous. It should be a 4 credit course due to all of the labs but overall very very worthwhile and amazing instruction.<br><br>I didn't think the tests were graded very fairly |