

CS 4970-001 Capstone Practicum I - Fall 2014

ENGR (18600)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 29 / Enrollment: 101

Summary: CS 4970-001 Capstone Practicum I - Fall 2014 (18600)	
Overall Course Rating CS-4970-001 Mean 4.22 CS-4970-001 Std Dev 0.73 CS-4970-001 Response Count 143	Overall Instructor Rating INSTRUCTOR: Bloomfield, Aaron S. Mean 4.38 Std Dev 0.69 Response Count 203
Difference from Category Mean, Expressed in Category Standard Deviations 	Difference from Category Mean, Expressed in Category Standard Deviations
SEAS, 4000-level courses Mean 4.14 SEAS, 4000-level courses Std Dev 0.91 SEAS, 4000-level courses Response Count 9438	SEAS, 4000-level courses Mean 4.29 SEAS, 4000-level courses Std Dev 0.87 SEAS, 4000-level courses Response Count 14693

~ 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-4970-001</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>29</td> <td>4.38</td> <td>0.62</td> <td>13 (44.83%)</td> <td>14 (48.28%)</td> <td>2 (6.90%)</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, 4000-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>1887</td> <td>4.33</td> <td>0.77</td> <td>869 (46.05%)</td> <td>829 (43.93%)</td> <td>113 (5.99%)</td> <td>38 (2.01%)</td> <td>19 (1.01%)</td> <td>19 (1.01%)</td> </tr> </tbody> </table>	Results for CS-4970-001									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	29	4.38	0.62	13 (44.83%)	14 (48.28%)	2 (6.90%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	Results for SEAS, 4000-level courses									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	1887	4.33	0.77	869 (46.05%)	829 (43.93%)	113 (5.99%)	38 (2.01%)	19 (1.01%)	19 (1.01%)
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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-4970-001, 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>29</td> <td>4.28</td> <td>0.88</td> <td>13 (44.83%)</td> <td>13 (44.83%)</td> <td>2 (6.90%)</td> <td>0 (0.00%)</td> <td>1 (3.45%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="9">Results for SEAS, 4000-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>2105</td> <td>4.22</td> <td>0.94</td> <td>954 (45.32%)</td> <td>744 (35.34%)</td> <td>205 (9.74%)</td> <td>90 (4.28%)</td> <td>41 (1.95%)</td> <td>71 (3.37%)</td> </tr> </tbody> </table>	Results for CS-4970-001, Bloomfield, Aaron S.									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	29	4.28	0.88	13 (44.83%)	13 (44.83%)	2 (6.90%)	0 (0.00%)	1 (3.45%)	0 (0.00%)	Results for SEAS, 4000-level courses									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	2105	4.22	0.94	954 (45.32%)	744 (35.34%)	205 (9.74%)	90 (4.28%)	41 (1.95%)	71 (3.37%)
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<p>3. There was a reasonable level of effort expected for the credit hours received.</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-4970-001</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>28</td> <td>4.32</td> <td>0.67</td> <td>11 (39.29%)</td> <td>16 (57.14%)</td> <td>0 (0.00%)</td> <td>1 (3.57%)</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, 4000-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>1889</td> <td>4.28</td> <td>0.82</td> <td>841 (44.52%)</td> <td>837 (44.31%)</td> <td>119 (6.30%)</td> <td>62 (3.28%)</td> <td>24 (1.27%)</td> <td>6 (0.32%)</td> </tr> </tbody> </table>	Results for CS-4970-001									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	28	4.32	0.67	11 (39.29%)	16 (57.14%)	0 (0.00%)	1 (3.57%)	0 (0.00%)	0 (0.00%)	Results for SEAS, 4000-level courses									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	1889	4.28	0.82	841 (44.52%)	837 (44.31%)	119 (6.30%)	62 (3.28%)	24 (1.27%)	6 (0.32%)
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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-4970-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
28	4.04	0.84	8 (28.57%)	15 (53.57%)	3 (10.71%)	2 (7.14%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1886	4.13	0.93	680 (36.06%)	706 (37.43%)	202 (10.71%)	77 (4.08%)	35 (1.86%)	186 (9.86%)

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-4970-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
29	4.00	0.63	1 (3.45%)	4 (13.79%)	1 (3.45%)	0 (0.00%)	0 (0.00%)	23 (79.31%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1892	3.66	1.10	249 (13.16%)	311 (16.44%)	269 (14.22%)	78 (4.12%)	48 (2.54%)	937 (49.52%)

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-4970-001, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
29	4.31	0.71	12 (41.38%)	15 (51.72%)	1 (3.45%)	1 (3.45%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2092	4.08	0.98	787 (37.62%)	840 (40.15%)	241 (11.52%)	106 (5.07%)	56 (2.68%)	62 (2.96%)

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-4970-001, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
29	4.48	0.63	16 (55.17%)	11 (37.93%)	2 (6.90%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2098	4.58	0.67	1350 (64.35%)	617 (29.41%)	69 (3.29%)	17 (0.81%)	16 (0.76%)	29 (1.38%)

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-4970-001, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
29	4.52	0.69	17 (58.62%)	11 (37.93%)	0 (0.00%)	1 (3.45%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2104	4.36	0.82	1061 (50.43%)	774 (36.79%)	143 (6.80%)	44 (2.09%)	30 (1.43%)	52 (2.47%)

~ 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-4970-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
29	4.21	0.77	10 (34.48%)	17 (58.62%)	0 (0.00%)	2 (6.90%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1884	4.07	0.92	677 (35.93%)	776 (41.19%)	261 (13.85%)	99 (5.25%)	27 (1.43%)	44 (2.34%)

10. The grading policy was fair.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4970-001, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
29	4.19	0.74	9 (31.03%)	15 (51.72%)	2 (6.90%)	1 (3.45%)	0 (0.00%)	2 (6.90%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2098	4.16	0.90	840 (40.04%)	797 (37.99%)	276 (13.16%)	76 (3.62%)	29 (1.38%)	80 (3.81%)

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-4970-001, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
29	4.41	0.57	12 (41.38%)	14 (48.28%)	1 (3.45%)	0 (0.00%)	0 (0.00%)	2 (6.90%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2097	4.39	0.77	1067 (50.88%)	801 (38.20%)	138 (6.58%)	36 (1.72%)	20 (0.95%)	35 (1.67%)

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-4970-001, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
29	4.48	0.51	14 (48.28%)	15 (51.72%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
2099	4.22	0.87	869 (41.40%)	832 (39.64%)	204 (9.72%)	60 (2.86%)	32 (1.52%)	102 (4.86%)

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-4970-001					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
29	0 (0.00%)	2 (6.90%)	15 (51.72%)	10 (34.48%)	2 (6.90%)

Results for SEAS, 4000-level courses					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
1892	77 (4.07%)	616 (32.56%)	855 (45.19%)	247 (13.05%)	97 (5.13%)

~ 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-4970-001							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
29	4.41	0.63	14 (48.28%)	13 (44.83%)	2 (6.90%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1880	4.19	0.93	830 (44.15%)	738 (39.26%)	201 (10.69%)	66 (3.51%)	45 (2.39%)

15. Overall, this was a worthwhile course.

Question Type: Likert
 ~
 contributed by Office of the Provost

Results for CS-4970-001							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
29	4.41	0.63	14 (48.28%)	13 (44.83%)	2 (6.90%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1885	4.23	0.94	883 (46.84%)	712 (37.77%)	174 (9.23%)	66 (3.50%)	50 (2.65%)

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-4970-001, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
28	4.39	0.69	14 (50.00%)	11 (39.29%)	3 (10.71%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
2086	4.28	0.82	937 (44.92%)	909 (43.58%)	155 (7.43%)	57 (2.73%)	28 (1.34%)

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-4970-001, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
29	4.17	0.93	13 (44.83%)	10 (34.48%)	4 (13.79%)	2 (6.90%)	0 (0.00%)

Results for SEAS, 4000-level courses							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
2095	4.33	0.84	1077 (51.41%)	746 (35.61%)	192 (9.16%)	56 (2.67%)	24 (1.15%)

18. Overall, the instructor was an effective teacher.

Question Type: Likert
 ~
 contributed by Office of the Provost

Results for CS-4970-001, Bloomfield, Aaron S.							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
29	4.41	0.68	14 (48.28%)	14 (48.28%)	0 (0.00%)	1 (3.45%)	0 (0.00%)

Results for SEAS, 4000-level courses							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
2100	4.28	0.92	1041 (49.57%)	770 (36.67%)	170 (8.10%)	71 (3.38%)	48 (2.29%)

~ 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-4970-001

Total	Individual Answers
8	See below for Individual Results

We got boned on our requirements, however I will say the tutorials on the three different MVC's were mostly useless in making a decision. I can only speak for my group but everyone I asked about this said they just tried to rush through the tutorials to get the homework knocked out. Doing this in class would make sure we actually discussed the experience (similar to labs for 1110 and 2150)

I was excited about this course coming into the semester and disappointed that others could care less or just took it because it was easier than doing an independent project rather than caring about helping nonprofits. I think the lack of caring affects the group's effectiveness in producing a quality system.

Bloomfield remains my favorite professor at UVA. He deserves the accolades

This is a great way to do capstone for a CS degree. Bloomfield makes the program great, keeping it organized, and teaching us what we need to know. Bloomfield is the best professor in the CS department for handling complex classes with ease, while educating students well and keeping the classes fun.

I love this class! Bloomfield does a great job of teaching us what we need to know, and then letting us go to go out and do it. I'm so happy the CS department switched over the the slp/capstone, I think it's great!

I enjoy the project itself, but the "Final" seems like a waste. If these tutorials are used to help future students, why didn't our class get to lok at these tutorials when we started? Bloomfield's response is "Well the technology is of a different version." Sadly, Technology will continue to evolve and tutorials will continually go out of date. Having the tutorials would be helpful to at least be a stepping stone to work with. Hopefully this changes with future classes.

I enjoyed the lectures. I like the format of the class with meetings on Mondays and lectures on Wednesday. For all the tutorials, I found them useful but sometime some instructions were bit confusing. Overall, this material from lectures was useful and worthwhile.

The grading needs to be much more clear for this course. Also the homework assignments seemed frivolous we could have just learned the one we were going to use.