

CS 4971-001 Capstone Practicum II - Spring 2015

ENGR (18152)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 42 / Enrollment: 96

Summary: CS 4971-001 Capstone Practicum II - Spring 2015 (18152)	
Overall Course Rating CS-4971-001 Mean 4.30 CS-4971-001 Std Dev 0.89 CS-4971-001 Response Count 209	Overall Instructor Rating INSTRUCTOR: Bloomfield, Aaron S. Mean 4.45 Std Dev 0.81 Response Count 294
Difference from Category Mean, Expressed in Category Standard Deviations 	Difference from Category Mean, Expressed in Category Standard Deviations
SEAS, 4000-level courses Mean 4.19 SEAS, 4000-level courses Std Dev 0.94 SEAS, 4000-level courses Response Count 9648	SEAS, 4000-level courses Mean 4.37 SEAS, 4000-level courses Std Dev 0.84 SEAS, 4000-level courses Response Count 14316

~ 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</p> <p style="text-align: center;"><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-4971-001</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>42</td> <td>4.59</td> <td>0.63</td> <td>27 (64.29%)</td> <td>11 (26.19%)</td> <td>3 (7.14%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> <td>1 (2.38%)</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>1928</td> <td>4.42</td> <td>0.76</td> <td>1032 (53.53%)</td> <td>721 (37.40%)</td> <td>106 (5.50%)</td> <td>31 (1.61%)</td> <td>21 (1.09%)</td> <td>17 (0.88%)</td> </tr> </tbody> </table>	Results for CS-4971-001									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	42	4.59	0.63	27 (64.29%)	11 (26.19%)	3 (7.14%)	0 (0.00%)	0 (0.00%)	1 (2.38%)	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)	1928	4.42	0.76	1032 (53.53%)	721 (37.40%)	106 (5.50%)	31 (1.61%)	21 (1.09%)	17 (0.88%)
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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</p> <p style="text-align: center;"><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-4971-001, 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>42</td> <td>4.48</td> <td>0.82</td> <td>25 (59.52%)</td> <td>11 (26.19%)</td> <td>2 (4.76%)</td> <td>2 (4.76%)</td> <td>0 (0.00%)</td> <td>2 (4.76%)</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>2049</td> <td>4.28</td> <td>0.92</td> <td>998 (48.71%)</td> <td>680 (33.19%)</td> <td>174 (8.49%)</td> <td>76 (3.71%)</td> <td>38 (1.85%)</td> <td>83 (4.05%)</td> </tr> </tbody> </table>	Results for CS-4971-001, Bloomfield, Aaron S.									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	42	4.48	0.82	25 (59.52%)	11 (26.19%)	2 (4.76%)	2 (4.76%)	0 (0.00%)	2 (4.76%)	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)	2049	4.28	0.92	998 (48.71%)	680 (33.19%)	174 (8.49%)	76 (3.71%)	38 (1.85%)	83 (4.05%)
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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</p> <p style="text-align: center;"><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-4971-001</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>42</td> <td>4.38</td> <td>0.88</td> <td>23 (54.76%)</td> <td>15 (35.71%)</td> <td>2 (4.76%)</td> <td>1 (2.38%)</td> <td>1 (2.38%)</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>1931</td> <td>4.27</td> <td>0.91</td> <td>933 (48.32%)</td> <td>744 (38.53%)</td> <td>134 (6.94%)</td> <td>74 (3.83%)</td> <td>43 (2.23%)</td> <td>3 (0.16%)</td> </tr> </tbody> </table>	Results for CS-4971-001									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	42	4.38	0.88	23 (54.76%)	15 (35.71%)	2 (4.76%)	1 (2.38%)	1 (2.38%)	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)	1931	4.27	0.91	933 (48.32%)	744 (38.53%)	134 (6.94%)	74 (3.83%)	43 (2.23%)	3 (0.16%)
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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-4971-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
42	4.29	0.80	16 (38.10%)	13 (30.95%)	4 (9.52%)	1 (2.38%)	0 (0.00%)	8 (19.05%)

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)
1933	4.18	0.95	781 (40.40%)	641 (33.16%)	206 (10.66%)	74 (3.83%)	38 (1.97%)	193 (9.98%)

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-4971-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
41	3.38	1.06	2 (4.88%)	0 (0.00%)	5 (12.20%)	1 (2.44%)	0 (0.00%)	33 (80.49%)

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)
1927	3.84	1.08	380 (19.72%)	373 (19.36%)	257 (13.34%)	94 (4.88%)	39 (2.02%)	784 (40.69%)

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-4971-001, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
42	4.52	0.75	26 (61.90%)	10 (23.81%)	3 (7.14%)	1 (2.38%)	0 (0.00%)	2 (4.76%)

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)
2040	4.21	0.92	888 (43.53%)	767 (37.60%)	199 (9.75%)	74 (3.63%)	40 (1.96%)	72 (3.53%)

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-4971-001, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
42	4.49	0.82	24 (57.14%)	12 (28.57%)	2 (4.76%)	0 (0.00%)	1 (2.38%)	3 (7.14%)

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)
2048	4.61	0.66	1365 (66.65%)	544 (26.56%)	70 (3.42%)	22 (1.07%)	11 (0.54%)	36 (1.76%)

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-4971-001, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
42	4.57	0.70	28 (66.67%)	11 (26.19%)	2 (4.76%)	1 (2.38%)	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)
2045	4.44	0.78	1131 (55.31%)	670 (32.76%)	119 (5.82%)	42 (2.05%)	20 (0.98%)	63 (3.08%)

~ 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-4971-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
42	4.12	1.02	18 (42.86%)	16 (38.10%)	4 (9.52%)	3 (7.14%)	1 (2.38%)	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)
1929	4.10	0.97	748 (38.78%)	740 (38.36%)	232 (12.03%)	105 (5.44%)	42 (2.18%)	62 (3.21%)

10. The grading policy was fair.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4971-001, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
42	4.02	1.14	19 (45.24%)	11 (26.19%)	8 (19.05%)	2 (4.76%)	2 (4.76%)	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)
2045	4.26	0.90	946 (46.26%)	754 (36.87%)	186 (9.10%)	58 (2.84%)	43 (2.10%)	58 (2.84%)

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-4971-001, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
42	4.52	0.59	24 (57.14%)	16 (38.10%)	2 (4.76%)	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)
2044	4.42	0.79	1108 (54.21%)	699 (34.20%)	113 (5.53%)	44 (2.15%)	23 (1.13%)	57 (2.79%)

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-4971-001, Bloomfield, Aaron S.								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
42	4.57	0.63	27 (64.29%)	12 (28.57%)	3 (7.14%)	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)
2045	4.34	0.83	984 (48.12%)	748 (36.58%)	139 (6.80%)	44 (2.15%)	30 (1.47%)	100 (4.89%)

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-4971-001					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
42	0 (0.00%)	4 (9.52%)	23 (54.76%)	13 (30.95%)	2 (4.76%)

Results for SEAS, 4000-level courses					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
1934	88 (4.55%)	645 (33.35%)	759 (39.25%)	269 (13.91%)	173 (8.95%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~																
<p>14. I learned a great deal in this course.</p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-4971-001																
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1925	4.30	0.90	981 (50.96%)	683 (35.48%)	166 (8.62%)	52 (2.70%)	43 (2.23%)										
<p>15. Overall, this was a worthwhile course.</p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-4971-001																
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1925	4.32	0.93	1037 (53.87%)	641 (33.30%)	131 (6.81%)	66 (3.43%)	50 (2.60%)										
<p>16. The course's goals and requirements were defined and adhered to by the instructor.</p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-4971-001, Bloomfield, Aaron S.																
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19. Please make any overall comments or observations about this course:

~
Question Type: Short Answer

~
contributed by Office of the Provost

Results for CS-4971-001	
Total	Individual Answers
24	See below for Individual Results

Worthwhile course but definitely too much work to be a 3 credit class. Instructor was very helpful but there were too many unnecessary meetings with professor/TA/customer

This was an incredibly challenging class and I wish there had been more pressure and assistance on our group at the beginning to get organized since it felt like we paid for it this semester. It was a challenge but ultimately seemed to be worth it

This course is very effective for learning how to work on real projects with a group of people.

I loved this course and I wish I could have taken it multiple times. I learned so much in it. It was my favorite class that I have taken at UVA.

#3: This seriously depends on the project and individual initiative. #5: Not that many would read it, but it might be nice to recommend a) something like Pragmatic Programmer to encourage people to use development best practices and b) a more detailed coding/style guide, which could be language/framework specific. #9: I personally received adequate preparation through taking databases and web & mobile and my internships, but I think a lot of people come into this class with almost no web development experience. It's really not fair to the people in the group that do know what they're doing already. I know this is logistically almost impossible, but I think one or both of DB and W&M should be prereqs. #13: Lol Overall: SLP is a really, really great program, and Prof. Bloomfield (probably) never sleeps in order to do such a great job running it. I felt like I got great experience working with a real-world client, developing a larger (compared to most university projects) application, working in a team of developers, and managing a team. I learned a ton and can definitely talk about this project in interviews. Very worthwhile, props to Bloomfield! Give him a raise.

I almost wonder if there should only be 1 meeting day during the second semester of this class.

Great class!

The professor and the course were both interesting and very fun. I wish all other computer science classes were taught by such knowledgeable, enthusiastic, and willing-to-help professor. Thank you for a great semester!

the teacher was good, but dealing with the clients was a huge nightmare

Of all my UVA experiences, this has prepared me the most to head out into the real world. Professor Bloomfield really knows what he is doing.

Grading seemed to be a black box. Slidesets were confusing to refer to, had to dig through multiple slide sets to find information about deliverables. Should consolidate it to one simple page if possible.

This course could be re-vamped for a much better experience. First, class times are completely wasted with team meetings. Why is it required we have class if we are just going to have meetings with our team? I learned much less this semester as compared to last. This could definitely be a one semester course, maybe 4 credits instead of 3 so slightly more work could be condensed into one semester.

I hate group project courses as it's very much down to who you get paired with but the actual work and class was educational and worthwhile.

left a lot more feedback on the other survey, but absolutely an amazing course!

Please respond to your emails!

This was one of the most important and fulfilling classes I've taken at UVA. Not only was it a rigorous and rewarding learning experience, but it also gave me a chance to use my education and do something that actually matters.

9 am in spring semester was bit of a struggle!

Great "real world" developing experience.

Aaron Bloomfield is a good teacher. The class portion of this class was a bit boring. The project portion of this class was unexciting. The team was not great. However, I guess that is all okay. I have not received my grade yet, but I am worried about subjective grading. During the fall, I received a lower grade than some of my teammates when I did a larger amount of work, and I am afraid that is going to happen again.

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

The group work days were really helpful this semester. My group wasn't the best at communicating so having that time to talk that through was necessary. I thought sometimes the information that Professor Bloomfield needed to announce to use got repetitive, and I'm sure it's because not everyone comes to class but I'm pretty sure the lecture we all concentrated the most on was the one you did rapid fire haha...but it was quick and direct and to the point and we were focused and then we got back to work. I wonder if there's a way to wrap up our projects sooner. I just felt like we were never ever going to be done with all the deliverables (I think a lot of us thought after development would be over that that would be it but hahaha nope). But I suppose we made it through! But Professor Bloomfield was always super helpful with our questions and got to know each of us and that was pretty cool to get to work alongside him and do work that not only will get used, but is also for a good cause! It's pretty cool that we get to do that for our capstone! Thanks for organizing that!

I really was not a fan of the end of phase surveys. My biggest problem with them was that it was the exact same survey every time. Questions like "How much work do you do" and "How well does the team work together" don't change from iteration to iteration. Even if they do, the questions should be worded "How much work did you do in the past iteration?" I think the survey could be shortened to 3 questions: "For the past iteration: What went well? What didn't go well? Any other comments or concerns?" The "How much do you love filling out surveys?" question. Funny the first time, annoyed every other time. One of the "anything else" questions was required (maybe on the iteration leadership page), which it shouldn't have been.

Bloomfield is a great professor and this is the best way to do a capstone class. Thanks for a great year and for doing this course that contributes to students and the community.

Great course. Really allows students to understand the full software development life cycle. I think more emphasis should be put on documentation at an earlier stage. This allows students to define issues prior to development instead of writing documentation about the built system.

I would not recommend anyone taking this class. It was a waste of my time. If you get a bad group you're just stuck with them. The grading policy was so bad. At the end, I got to know the rubric and since I didn't know how I was gonna be graded, I pretty much was in bad shape. Capstone grading is supposed to be easy, but Bloomfield is super harsh. Would prefer independent project over this any day. Almost close to the worst cs course I have taken at UVA.