

# CS 4970-001 Capstone Practicum I - Fall 2013

ENGR (20341)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 25 / Enrollment: 43

Summary: CS 4970-001 Capstone Practicum I - Fall 2013 (20341)	
<b>Overall Course Rating</b> CS-4970-001 Mean 4.34 CS-4970-001 Std Dev 0.73 CS-4970-001 Response Count 125	<b>Overall Instructor Rating</b> INSTRUCTOR: Bloomfield, Aaron S. Mean 4.54 Std Dev 0.59 Response Count 174
Difference from Category Mean, Expressed in Category Standard Deviations 	Difference from Category Mean, Expressed in Category Standard Deviations 
SEAS, 4000-level courses Mean 4.12 SEAS, 4000-level courses Std Dev 0.88 SEAS, 4000-level courses Response Count 8917	SEAS, 4000-level courses Mean 4.25 SEAS, 4000-level courses Std Dev 0.85 SEAS, 4000-level courses Response Count 13555

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~																																																						
<p><b>1. The course addressed technically rigorous subject matter consistent with the course objectives.</b></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-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>25</td> <td>4.44</td> <td>0.51</td> <td>11 (44.00%)</td> <td>14 (56.00%)</td> <td>0 (0.00%)</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>1783</td> <td>4.28</td> <td>0.76</td> <td>736 (41.28%)</td> <td>851 (47.73%)</td> <td>123 (6.90%)</td> <td>37 (2.08%)</td> <td>16 (0.90%)</td> <td>20 (1.12%)</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)	25	4.44	0.51	11 (44.00%)	14 (56.00%)	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)	1783	4.28	0.76	736 (41.28%)	851 (47.73%)	123 (6.90%)	37 (2.08%)	16 (0.90%)	20 (1.12%)
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<p><b>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.</b></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-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>25</td> <td>4.40</td> <td>0.71</td> <td>13 (52.00%)</td> <td>9 (36.00%)</td> <td>3 (12.00%)</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>1941</td> <td>4.18</td> <td>0.88</td> <td>754 (38.85%)</td> <td>741 (38.18%)</td> <td>221 (11.39%)</td> <td>74 (3.81%)</td> <td>22 (1.13%)</td> <td>129 (6.65%)</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)	25	4.40	0.71	13 (52.00%)	9 (36.00%)	3 (12.00%)	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)	1941	4.18	0.88	754 (38.85%)	741 (38.18%)	221 (11.39%)	74 (3.81%)	22 (1.13%)	129 (6.65%)
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<p><b>3. There was a reasonable level of effort expected for the credit hours received.</b></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-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>25</td> <td>4.52</td> <td>0.51</td> <td>13 (52.00%)</td> <td>12 (48.00%)</td> <td>0 (0.00%)</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>1789</td> <td>4.22</td> <td>0.82</td> <td>710 (39.69%)</td> <td>859 (48.02%)</td> <td>127 (7.10%)</td> <td>60 (3.35%)</td> <td>23 (1.29%)</td> <td>10 (0.56%)</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)	25	4.52	0.51	13 (52.00%)	12 (48.00%)	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)	1789	4.22	0.82	710 (39.69%)	859 (48.02%)	127 (7.10%)	60 (3.35%)	23 (1.29%)	10 (0.56%)
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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)
25	4.40	0.71	12 (48.00%)	12 (48.00%)	0 (0.00%)	1 (4.00%)	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)
1780	4.16	0.87	633 (35.56%)	682 (38.31%)	194 (10.90%)	64 (3.60%)	19 (1.07%)	188 (10.56%)

**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)
25	4.00	1.00	2 (8.00%)	1 (4.00%)	2 (8.00%)	0 (0.00%)	0 (0.00%)	20 (80.00%)

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)
1783	3.67	1.07	237 (13.29%)	309 (17.33%)	276 (15.48%)	79 (4.43%)	38 (2.13%)	844 (47.34%)

**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)
24	4.42	0.65	12 (50.00%)	10 (41.67%)	2 (8.33%)	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)
1935	4.05	0.97	673 (34.78%)	776 (40.10%)	237 (12.25%)	108 (5.58%)	44 (2.27%)	97 (5.01%)

**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)
25	4.72	0.46	18 (72.00%)	7 (28.00%)	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)
1937	4.52	0.71	1146 (59.16%)	613 (31.65%)	81 (4.18%)	24 (1.24%)	15 (0.77%)	58 (2.99%)

**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)
25	4.72	0.46	18 (72.00%)	7 (28.00%)	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)
1938	4.30	0.84	875 (45.15%)	738 (38.08%)	150 (7.74%)	43 (2.22%)	28 (1.44%)	104 (5.37%)

~ 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)
25	4.08	1.00	9 (36.00%)	12 (48.00%)	2 (8.00%)	1 (4.00%)	1 (4.00%)	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)
1782	4.05	0.87	551 (30.92%)	830 (46.58%)	241 (13.52%)	73 (4.10%)	26 (1.46%)	61 (3.42%)

**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)
25	4.28	0.68	10 (40.00%)	12 (48.00%)	3 (12.00%)	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)
1940	4.13	0.88	691 (35.62%)	780 (40.21%)	257 (13.25%)	63 (3.25%)	26 (1.34%)	123 (6.34%)

**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)
25	4.64	0.49	16 (64.00%)	9 (36.00%)	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)
1933	4.35	0.78	901 (46.61%)	746 (38.59%)	127 (6.57%)	40 (2.07%)	18 (0.93%)	101 (5.23%)

**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)
25	4.60	0.50	15 (60.00%)	10 (40.00%)	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)
1931	4.22	0.80	726 (37.60%)	806 (41.74%)	200 (10.36%)	38 (1.97%)	17 (0.88%)	144 (7.46%)

**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)
25	0 (0.00%)	7 (28.00%)	11 (44.00%)	7 (28.00%)	0 (0.00%)

Results for SEAS, 4000-level courses					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
1791	118 (6.59%)	592 (33.05%)	726 (40.54%)	254 (14.18%)	101 (5.64%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~																
<p><b>14. I learned a great deal in this course.</b></p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-4970-001																
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1780	4.15	0.91	714 (40.11%)	760 (42.70%)	195 (10.96%)	81 (4.55%)	30 (1.69%)										
<p><b>15. Overall, this was a worthwhile course.</b></p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-4970-001																
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1784	4.18	0.96	785 (44.00%)	707 (39.63%)	171 (9.59%)	67 (3.76%)	54 (3.03%)										
<p><b>16. The course's goals and requirements were defined and adhered to by the instructor.</b></p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-4970-001, Bloomfield, Aaron S.																
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<p><b>18. Overall, the instructor was an effective teacher.</b></p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-4970-001, 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-4970-001	
Total	Individual Answers
13	See below for Individual Results

This course is a fantastic idea for a capstone project. It combines community service with a real-life application of my computer science knowledge. I learned a lot from being assigned a full web application to build. The concepts I've learned in this class are invaluable.

Definitely a good class to take if you want exposure to a realistic software project while in your undergraduate career. One downside is that as the semester goes on, lecture topics don't really deal with issues that may arise in your project. That would be nice to cover so that those issues are dealt with by the spring deployment date.

Prof. Bloomfield is a great teacher and really does a good job giving structure to a inherently unstructured class. I like how things were run, but I do think that sticking with one platform would make his life easier as well as ours for next year. Then classes could be even more geared in the direction of helping develop on a specific platform. Other than this though, I have really enjoyed the class and it has forced me to learn a lot. Looking forward to next semester!

Aaron Bloomfield is a BAMF!!!!!!!

Good class. If there were a way to get the projects out sooner that would be great. Ballooning expectations ended up meaning we felt squeezed toward the end.

I felt we need a better way to reserve conference rooms for customer meetings. I also found using Redmine for issues in as broad of a case as we are isn't really as effective as creating issues for actual work. Otherwise the classes is extremely helpful and interesting. I would suggest the homework at the beginning be a little more involved, because I felt it wasn't as helpful at preparing us to develop to the necessary level for actual development.

Despite a rocky start to the semester, I was very pleased with this course. I definitely feel like I have developed as a programmer and have learned how to work with customers to produce a viable product. Before this class, I had never worked with mysql, ruby, php, html, or css. I definitely started the class far behind the learning curve and struggled to complete the initial homework assignments. I do not feel like this was any fault of the course, some students entered the course with vast experience on the topics and reteaching everything would have been a waste of their time. As I have never been exposed to any of them before, learning them all at the same time was a bit overwhelming. Sometime about mid way in the semester, everything seemed to click. I feel like a was able to contribute valuable input to our group project and have definitely gained more confidence in my coding. I am definitely pleased with our progress.

This is a great course. Aaron Bloomfield fully embodies what it means to be an educator in the modern academic environment.

I think the course is well organized and worthwhile. It's nice to see that something we're doing can help someone "in the real world".

The first homework assignments were much harder than I anticipated but I did end up learning a lot from them. It would have been nice to have a little more support or time when completing them. Otherwise a great class

Good Course

Enjoyed the progression and layout of the class.

I feel like the lectures provided surface knowledge about a lot of different topics. Would like it better if the lectures went more in depth into fewer topics. Felt like I learned not that much about a lot of different things in lecture. In terms of the SLP project I learned a lot about the framework and system design. Wish we could have worked more on how the team should function because the dynamic for our team wasn't the greatest. I think putting a very experienced member on each team is a good idea in some respects but it can be problematic because they often times end up doing or redoing a lot of work that others contribute. Can be frustrating at times.