CS 4971-001 Capstone Practicum II - Spring 2015

ENGR (18152)

INSTRUCTORS: Bloomfield, Aaron S. (asb2t)

Respondents: 42 / Enrollment: 96

Overall Course Rating		Overall Instructor Rating	
CS-4971-001 Mean 4.30 CS-4971-001 Std Dev 0.89 CS-4971-001 Response Count 209		<i>INSTRUCTOR:</i> Bloomfield, Aaron S. Mean 4.45 Std Dev 0.81 Response Count 294	
Difference from Category Mean, Expressed in Category Standard Deviations	0.12	Difference from Category Mean, Expressed in Category Standard Deviations	-2 -1 0 1 2 0.10
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	

1. The course addressed technically rigorous subject matter consistent with the course objectives.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

F	Results for	CS-4971-0	01						
	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%)	

2. The instructor used methods other than/in addition to traditional lectures (for example, active learning, in-class problems, collaborative learning, inclass discussion) effectively in this course.

(5) (1) (NA)	Results for CS-4971-001, Bloomfield, Aaron S.								
42 448 0.82 25 11 2 2 0 2	Total	Mean	Std Dev	Agree					Applicable
	42	4.48	0.82	25 (59.52%)		2	2 (4.76%)	0 (0.00%)	2 (4.76%)

Question	Type:	Likert
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contributed by Dean of the School of Engineering and Applied Science

3. There was a reasonable level of effort expected for the credit hours received. Question Type: Likert contributed by Dean of the School of Engineering and Applied Science

Results for SEAS, 4000-level courses									
ıg	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%)

Results for	CS-4971-0	01						
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 (4) Neutral Disagree (2) Strongly Disagree (1) Not Agree (5) Applicable (3) (NA) 134 (6.94%) 43 (2.23%) 1931 4.27 0.91 933 744 74 3 (48.32%) (38.53%) (3.83%) (0.16%)

~ QUESTIONS AND DETAILS ~				~ ANS	WER MATR	ICES ~			
4. The homework assignments helped	Results for	CS-4971-0	001						
me learn the subject matter. Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
contributed by Dean of the School of Engineering and Applied Science	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, 400	0-level cou	rses					
	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	Results for	CS-4971-0	001						
understanding of the material. $$	Total	Mean	Std Dev	Strongly	Agree (4)	Neutral	Disagree	Strongly	Not Applicable
Question Type: Likert				Agree (5)		(3)	(2)	Disagree (1)	(NA)
contributed by Dean of the School of Engineering and Applied Science	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, 400	0-level cou	rses					
	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	Results for	CS-4971-0	001, Bloomfi	eld, Aaron S					
organized and developed. Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
contributed by Dean of the School of Engineering and Applied Science	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, 400	0-level cou	ses					
	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	Results for	CS-4971-0	001, Bloomfi	eld, Aaron S	5.				
about the subject matter. Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
contributed by Dean of the School of Engineering and Applied Science	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, 400	0-level cou	rses					
	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	Results for	CS <u>-4971-</u> (001, Bloomfi	eld, <u>Aaron S</u>					
class. Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
contributed by Dean of the School of Engineering and Applied Science	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 400	0-level cou	ses					
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
	2045	4.44	0.78	(3) 1131 (55.31%)	670 (32.76%)	119 (5.82%)	42 (2.05%)	20 (0.98%)	63 (3.08%)

~ QUESTIONS AND DETAILS ~				~ ANS	WER MATI	RICES ~			
9. I received adequate preparation from	Results for	CS-49	71-001						
the prior courses in the curriculum to be successful in this course.	Total	Mea	n Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
Question Type: Likert	42	4.12	2 1.02	18 (42.86%)	16 (38.10%)	4 (9.52%)	3 (7.14%)	1 (2.38%)	0 (0.00%)
contributed by Dean of the School of Engineering and Applied Science					(00000000)	(0.02.0)	(,.,	((0.00.0)
			4000-level cou					a	
	Total	Mea	n Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicab (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.	Results for	CS-49	71-001, Bloomfi	eld, Aaron S	5.				
Question Type: Likert \sim	Total	Mea	n Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicabl (NA)
contributed by Dean of the School of Engineering and Applied Science	42	4.02	2 1.14	(3) 19 (45.24%)	11 (26.19%)	8 (19.05%)	2 (4.76%)	(1) 2 (4.76%)	(NA) 0 (0.00%)
		0.5.4.0							
	Results for Total	SEAS, Mea	A000-level cou	rses Strongly	Agroo	Neutral	Disagree	Strongly	Not
	Total	Mea	n Std Dev	Agree (5)	Agree (4)	(3)	(2)	Disagree (1)	Applicab (NA)
	2045	4.26	6 0.90	946 (46.26%)	754 (36.87%)	186 (9.10%)	58 (2.84%)	43 (2.10%)	58 (2.84%)
11. The instructor responded	Results for	CS-49	71-001, Bloomfi	eld. Aaron S	S.				
adequately to in-class questions.	Total	Mea		Strongly Agree	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree	Not Applicab
contributed by Dean of the School of Engineering and Applied Science	42	4.52	2 0.59	(5) 24 (57.14%)	16 (38.10%)	2 (4.76%)	0 (0.00%)	(1) 0 (0.00%)	(NA) 0 (0.00%)
	Populto for	SEVS	4000-level cou	1 200					
	Total	Mea		Strongly Agree	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree	Not Applicab
	2044	4.42	2 0.79	(5) 1108 (54.21%)	699 (34.20%)	113 (5.53%)	44 (2.15%)	(1) 23 (1.13%)	(NA) 57 (2.79%)
12. The instructor effectively used	Results for	CS-49	71-001, Bloomfi	eld. Aaron S	5				
technology in support of the learning goals for this course.	Total	Mea		Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicab (NA)
Question Type: Likert	42	4.57	7 0.63	27 (64.29%)	12 (28.57%)	3 (7.14%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
and Applied Science	Poculte for	SEVS	4000-level cou	reac					
	Total	Mea		Strongly Agree	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree	Not Applicab
	2045	4.34	4 0.83	(5) 984 (48.12%)	748 (36.58%)	139 (6.80%)	44 (2.15%)	(1) 30 (1.47%)	(NA) 100 (4.89%)
13. The average number of hours per	Devile	00-10	74 004						
week I spent outside of class preparing	Results for Total		Less than 1	1 - 3		4 - 6	7 - 9	1() or more
for this course was:	42		(NA) 0	(NA) 4		(NA) 23	(NA)		(NA) 2
contributed by Office of the Provost			(0.00%)	(9.52%	o)	(54.76%)	(30.95%	%)	4.76%)
	Results for	SEAS,	4000-level cou	rses					
	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%	6)	759 (39.25%)	269 (13.91%	%)	173 (8.95%)

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~ QUESTIONS AND DETAILS ~				~ ANSWER	MATRICES ~							
14. I learned a great deal in this course.	Results for	CS-4971-001										
Question Type: Likert contributed by Office of the Provost	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
contributed by Office of the Provosi	42	4.33	0.82	21 (50.00%)	16 (38.10%)	3 (7.14%)	2 (4.76%)	0 (0.00%)				
	Results for	SEAS, 4000-	evel courses									
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
	1925	4.30	0.90	981 (50.96%)	683 (35.48%)	166 (8.62%)	52 (2.70%)	43 (2.23%)				
15. Overall, this was a worthwhile	Results for	CS-4971-001										
course. ~ Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
contributed by $Office$ of the Provost	42	4.52	0.77	28 (66.67%)	9 (21.43%)	4 (9.52%)	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)				
	1925	4.32	0.93	1037 (53.87%)	641 (33.30%)	131 (6.81%)	66 (3.43%)	50 (2.60%)				
16. The course's goals and requirements	Results for	CS-4971-001	, Bloomfield, J	Aaron S.								
were defined and adhered to by the instructor.	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
Question Type: Likert contributed by $Office$ of the Provost	42	4.45	0.74	24 (57.14%)	14 (33.33%)	3 (7.14%)	1 (2.38%)	0 (0.00%)				
	Results for	SEAS, 4000-	evel courses									
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
	2042	4.41	0.76	1071 (52.45%)	807 (39.52%)	109 (5.34%)	32 (1.57%)	23 (1.13%)				
17. The instructor was approachable	Results for	CS-4971-001	, Bloomfield, J	Aaron S.								
and made himself/herself available to students outside the classroom.	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
Question Type: Likert <i>contributed by Office of the Provost</i>	42	4.48	0.74	25 (59.52%)	13 (30.95%)	3 (7.14%)	1 (2.38%)	0 (0.00%)				
	Results for	SEAS, 4000-	evel courses									
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
	2043	4.43	0.79	1167 (57.12%)	668 (32.70%)	156 (7.64%)	26 (1.27%)	26 (1.27%)				
18. Overall, the instructor was an	Results for	CS-4 <u>971-001</u>	, Bloomfield, J	Aaron S.								
effective teacher. Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
\sim contributed by Office of the Provost	41	4.54	0.64	25 (60.98%)	13 (31.71%)	3 (7.32%)	0 (0.00%)	0 (0.00%)				
	Results for	SEAS, 4000-	evel courses									
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)				
	2053	4.37	0.85	1112 (54.16%)	715 (34.83%)	147 (7.16%)	41 (2.00%)	38 (1.85%)				

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~						
19. Please make any overall comments	Results for CS-4	1971-001					
or observations about this course:	Total	Individual Answers					
Question Type: Short Answer	24	See below for Individual Results					
contributed by Office of the Provost							
Question Type: Short Answer \sim	24 Worthwhile cout there were too Our group at the challenge but u This course is w I loved this cout favorite class the #3: This serious it might be nice development be language/frame databases and almost no web what they're do and W&M shou Bloomfield (pro experience wor projects) applic definitely talk al I almost wonde Great class! The professor a classes were ta for a great sem the teacher was Of all my UVA of Bloomfield reall Grading seeme slide sets to find This course cours semester. I hate group pro and class was of left a lot more for Please respond This was one o and rewarding I something that 9 am in spring s Great "real worf Aaron Bloomfie	See below for Individual Results rse but definitely too much work to be a 3 credit class. Instructor was very helpful but many unnecessary meetings with professor/TA/customer redibly challenging class and I wish there had been more pressure and assistance on beginning to get organized since if felt like we paid for it this semester. It was a tilmately seemed to be worth it rery effective for learning how to work on real projects with a group of people. rese and I wish I could have taken it multiple times. I learned so much in it. It was my iat I have taken at UVA. sly depends on the project and individual initiative. #5: Not that many would read it, but to recommend a) something like Pragmatic Programmer to encourage people to use sist practices and b a more detailed coding/style guide, which could baing web & mobile and by a more detailed coding/style guide, which could baing web & mobile and my intemplips, but I think a to of people come into this class with development to perform the very worthwhile a tot programmer to encourage people to use sit practices and b a more detailed coding/style guide, which could baing web & mobile and my intemplips, but I think a tot of people come into this class with development to perform the developers, and manging a team. I learned a tomow babut this project in interviews. Very worthwhile, props to Bloomfield! Give him a raise. r if there should only be 1 meeting day during the second semester of this class. and the course were both interesting and very fun. I wish all other computer science ught by such knowledgeable, enthusiastic, and willing-to-help professor. Thank you ester! d to be a black box. Slidesets were confusing to refer to, had to dig through multiple information about deliverables. Should consolidate it to one simple page if possible. d information about deliverables. Should consolidate it to one simple page if possible. d information about deliverables. Should consolidate it to one simple page if possible. d information about deliverables. Should cons					
	semester cours semester. I hate group pro and class was of left a lot more for Please respond This was one o and rewarding I something that 9 am in spring s Great "real wor! Aaron Bloomfie portion of this c have not receiv	 ee, maybe 4 credits instead of 3 so slightly more work could be condensed into one bject courses as it's very much down to who you get paired with but the actual work educational and worthwhile. eedback on the other survey, but absolutely an amazing course! It to your emails! f the most important and fulfilling classes I've taken at UVa. Not only was it a rigorous learning experience, but it also gave me a chance to use my education and do actually matters. semester was bit of a struggle! Id' developing experience. Id is a good teacher. The class portion of this class was a bit boring. The project lass was unexciting. The team was not great. However, I guess that is all okay. I ed my grade yet, but I am worried about subjective grading. During the fall, I received hen some of my teammates when I did a larger amount of work, and I am afraid that is 					

~ 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 hahabut 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 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 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.