#### CS 4610-001 Programming Languages - Spring 2014

ENGR (20598)

INSTRUCTORS: Weimer, Westley (wrw6y)

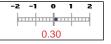
Respondents: 21 / Enrollment: 46

#### Summary: CS 4610-001 Programming Languages - Spring 2014 (20598)

#### **Overall Course Rating**

CS-4610-001 Mean 4.46 CS-4610-001 Std Dev 1.05 CS-4610-001 Response Count 105

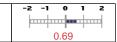
Difference from Category Mean, Expressed in Category Standard Deviations



#### **Overall Instructor Rating**

INSTRUCTOR: Weimer, Westley Mean 4.93 Std Dev 0.29 Response Count 147

Difference from Category Mean, Expressed in Category Standard Deviations



SEAS, 4000-level courses Mean 4.19 SEAS, 4000-level courses Std Dev 0.89

SEAS, 4000-level courses Std Dev 0.69 SEAS, 4000-level courses Response Count 9293 SEAS, 4000-level courses Mean 4.38 SEAS, 4000-level courses Std Dev 0.80

SEAS, 4000-level courses Response Count 13773

#### ~ QUESTIONS AND DETAILS ~

#### ~ ANSWER MATRICES ~

# 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

Results for CS-4610-001									
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
	21	5.00	0.00	21 (100.00%)	0 (0.00%)	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)	
1860	4.40	0.72	934 (50.22%)	769 (41.34%)	89 (4.78%)	33 (1.77%)	12 (0.65%)	23 (1.24%)	

# 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.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4610-001, Weimer, Westley										
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
21	4.95	0.22	20 (95.24%)	1 (4.76%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)		

Results for	SEAS, 400	0-level cour	rses					
Total	Mean S	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1974	4.29	0.86	924 (46.81%)	731 (37.03%)	161 (8.16%)	63 (3.19%)	26 (1.32%)	69 (3.50%)

### 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 CS-4610-001											
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)			
21	3.90	1.52	11 (52.38%)	3 (14.29%)	2 (9.52%)	1 (4.76%)	3 (14.29%)	1 (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)	
	1860	4.30	0.84	875 (47.04%)	779 (41.88%)	111 (5.97%)	63 (3.39%)	26 (1.40%)	6 (0.32%)	

~ QUESTIONS AND DETAILS ~				~ ANS	WER MATR	ICES ~			
4. The homework assignments helped	Results for	CS-4610-0	001						
me learn the subject matter.	Total	Mean	Std Dev	Strongly	Agree	Neutral	Disagree	Strongly	Not
Question Type: Likert				Agree (5)	(4)	(3)	(2)	Disagree (1)	Applica (NA
contributed by Dean of the School of Engineering	21	4.95	0.22	20	1	0	0	0	0
and Applied Science				(95.24%)	(4.76%)	(0.00%)	(0.00%)	(0.00%)	(0.00
	Results for	SEAS, 400	0-level cou	rses					
	Total	Mean	Std Dev	Strongly	Agree	Neutral	Disagree	Strongly	Not
				Agree (5)	(4)	(3)	(2)	Disagree (1)	Applica (NA
	1860	4.20	0.89	724	680	191	56	30	179
				(38.92%)	(36.56%)	(10.27%)	(3.01%)	(1.61%)	(9.62
5. The textbook increased my	Results for	CS-4610-0	01						
understanding of the material.	Total	Mean	Std Dev	Strongly	Agree	Neutral	Disagree	Strongly	No
Question Type: Likert				Agree (5)	(4)	(3)	(2)	Disagree (1)	Applic (NA
contributed by Dean of the School of Engineering	21	4.27	0.80	7 (33.33%)	5 (23.81%)	3 (14.29%)	0 (0.00%)	0 (0.00%)	6 (28.57
and Applied Science				(55.5570)	(23.0170)	(14.2370)	(0.0070)	(0.0070)	(20.07
	Results for	SEAS, 400	0-level cour	rses					
	Total	Mean	Std Dev	Strongly Agree	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree	No Applica
				(5)	,			(1)	· (NA
	1854	3.80	1.07	346 (18.66%)	387 (20.87%)	258 (13.92%)	109 (5.88%)	34 (1.83%)	720
			'	,	,	,	,	,	
6. The course material was well organized and developed.			001, Weimer				2.	0	
~	Total	Mean	Std Dev	Strongly Agree	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree	No Applica
Question Type: Likert	21	4.96	0.26	(5)	3	0	0	(1)	(NA
contributed by Dean of the School of Engineering and Applied Science	21	4.86	0.36	18 (85.71%)	(14.29%)	(0.00%)	(0.00%)	(0.00%)	(0.00
11	D 11 (	0510 101							
	Total	Mean	00-level cour Std Dev	Strongly	Agree	Neutral	Disagree	Strongly	No
	Total	Wear	Old Dev	Agree	(4)	(3)	(2)	Disagree (1)	Applic (NA
	1959	4.22	0.88	(5) 823	803	165	75	31	62
				(42.01%)	(40.99%)	(8.42%)	(3.83%)	(1.58%)	(3.16
7. The instructor was knowledgeable	Results for	CS-4610-0	01, Weimer	Westlev					
about the subject matter.	Total		Std Dev	Strongly	Agree	Neutral	Disagree	Strongly	No
Question Type: Likert				Agree (5)	(4)	(3)	(2)	Disagree (1)	Applic (NA
contributed by Dean of the School of Engineering	21	5.00	0.00	21	0	0	0	0	0
and Applied Science				(100.00%)	(0.00%)	(0.00%)	(0.00%)	(0.00%)	(0.00
	Results for	SEAS. 400	0-level cou	rses					
	Total	Mean	Std Dev	Strongly	Agree	Neutral	Disagree	Strongly	No
				Agree (5)	(4)	(3)	(2)	Disagree (1)	Applica (NA
	1966	4.65	0.58	1344	536	44	10	6	26
				(68.36%)	(27.26%)	(2.24%)	(0.51%)	(0.31%)	(1.32
8. The instructor was well prepared for	Results for	CS-4610-0	01, Weimer	, Westley					
class.	Total	Mean	Std Dev	Strongly	Agree	Neutral	Disagree	Strongly Disagree	No Applica
Question Type: Likert				Agree (5)	(4)	(3)	(2)	(1)	(NA
contributed by Dean of the School of Engineering	21	4.95	0.22	20 (95.24%)	1 (4.76%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	(0.00
and Applied Science				(55.2+76)	(7.7070)	(0.0070)	(0.0070)	(0.00/6)	(0.00
	Results for	SEAS, 400	0-level cour	rses					
	Total	Mean	Std Dev	Strongly Agree	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree	No Applica
				(5)	(+)	(3)	(2)	(1)	(NA
				, ,					62

#### ~ 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	Results for CS-4610-001											
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)				
21	4.10	1.26	12 (57.14%)	3 (14.29%)	3 (14.29%)	2 (9.52%)	1 (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)	
1859	4.12	0.89	681 (36.63%)	803 (43.20%)	222 (11.94%)	85 (4.57%)	26 (1.40%)	42 (2.26%)	

#### 10. The grading policy was fair.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4610-001, Weimer, Westley									
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
	21	4.86	0.48	19 (90.48%)	1 (4.76%)	1 (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)	
1969	4.24	0.87	879 (44.64%)	744 (37.79%)	208 (10.56%)	72 (3.66%)	22 (1.12%)	44 (2.23%)	

### 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-4610-001, Weimer, Westley										
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	
	21	5.00	0.00	21 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	

Results for	Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	ev Strongly Agree Neutral D Agree (4) (3)		Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)		
1973	4.48	0.70	1092 (55.35%)	715 (36.24%)	86 (4.36%)	20 (1.01%)	14 (0.71%)	46 (2.33%)	

# 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	ts for CS-4610-001, Weimer, Westley							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
21	4.86	0.36	18 (85.71%)	3 (14.29%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Results for	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)
1965	4.28	0.82	851 (43.31%)	779 (39.64%)	169 (8.60%)	54 (2.75%)	18 (0.92%)	94 (4.78%)

# 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-4	610-001				
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
21	0 (0.00%)	0 (0.00%)	2 (9.52%)	7 (33.33%)	12 (57.14%)

Results for SEA	S, 4000-level cours	ses			
Total	Less than 1	1 - 3	4 - 6	7 - 9	10 or more
	(NA)	(NA)	(NA)	(NA)	(NA)
1862	61	569	776	281	175
	(3.28%)	(30.56%)	(41.68%)	(15.09%)	(9.40%)

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~ QUESTIONS AND DETAILS ~				~ ANSWER I	MATRICES ~			
14. I learned a great deal in this course.		CS-4610-001						
Question Type: Likert	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
contributed by Office of the 1 rovosi	21	4.95	0.22	20 (95.24%)	1 (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)
	1849	4.29	0.85	888 (48.03%)	727 (39.32%)	146 (7.90%)	66 (3.57%)	22 (1.19%)
15. Overall, this was a worthwhile	Results for	CS-4610-001						
<b>course.</b> 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	20	4.85	0.67	19 (95.00%)	0 (0.00%)	0 (0.00%)	1 (5.00%)	(0.00%)
	Results for	SEAS, 4000-	level courses					
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
	1855	4.30	0.90	935 (50.40%)	684 (36.87%)	139 (7.49%)	58 (3.13%)	39 (2.10%)
6. The course's goals and requirements	Results for	CS-4610-001	, Weimer, We	estley				
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	21	4.95	0.22	20 (95.24%)	1 (4.76%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
contributed by Office of the Provost				(00.2 170)	( 0,0)	(0.0070)	(0.0070)	(0.0070)
			level courses			<b>N</b> 1 ( 1	D:	0, 1
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
	1963	4.36	0.77	959 (48.85%)	828 (42.18%)	114 (5.81%)	44 (2.24%)	18 (0.92%)
17. The instructor was approachable		CS-4610-001	, Weimer, We	estley				
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  contributed by Office of the Provost	21	5.00	0.00	21 (100.00%)	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)
	1964	4.45	0.78	1137 (57.89%)	643 (32.74%)	131 (6.67%)	33 (1.68%)	20 (1.02%)
18. Overall, the instructor was an	Results for	CS-4 <u>610-00</u> 1	, Weimer, We	estley				
effective teacher. ~ 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	21	4.95	0.22	20 (95.24%)	1 (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)
	1969	4.41	0.79	1081 (54.90%)	700 (35.55%)	130 (6.60%)	36 (1.83%)	22 (1.12%)

~ QUESTIONS AND DETAILS ~	

#### ~ ANSWER MATRICES ~

### 19. Please make any overall comments or observations about this course:

Question Type: Short Answer

Results for CS-4	610-001
Total	Individual Answers
18	See below for Individual Results

Best and hardest class I've taken at UVA. Professor Weimer is upfront about the expectations for the class - it's not for the faint of heart. I learned so much in the class though and enjoyed it a lot. Professor Weimer is an amazing lecturer and goes out of his way to help students however he can. I would recommend this to anyone who's willing/foolish enough to devote a significant portion of their life to it, and really excited to learn about programming languages (the cosmic mayonnaise of computer science).

Best CS class I've taken at UVA

#### Great Course! But

Best professor ever, period! Be aware that by taking this class, your other classes should be: Music, Language, PE, etc... any classes that don't require your brain!!!!!!! Because this should be a f\*\*\*ing 300000 credit class! I never go to Office Hours because I thought I was smart. But for Weimer's class don't miss his office hours!!!!!! They are EXTREMELY helpful! (make individual appointments with him. During the normal office hours there will be a flock of people following and you should feel lucky that you see his face at that time) And don't worry, after you talk to him, you will realize how dumb you are. Take all classes you could before taking his class, otherwise... see you in the funeral! Also, don't answer questions if you have diabetes -- you will know what I mean.

One of the best (if not THE best) courses I've taken in my life. Well worth the effort required. Wish I could have taken the compilers practicum as well, but scheduling made that impossible - having a time for that determined before courses start (so that students can prepare) would be ideal.

Best class at UVA. Thanks, Weimer.

Fantastic course. So well taught, such well run. Prof. Weimer is stunningly knowledgeable about everything and is a very nice person. Take his classes.

This is probably the best course I have ever taken. Weimer was absolutely amazing; his lectures are engaging and he has a seemingly endless knowledge of everything. No matter how inane the question, we could expect a long, thoughtful response from him in class or on Piazza later. The homework assignments were difficult, but very rewarding and I appreciated that nothing was spoonfed to us. I would take this class again in a heartbeat.

I cannot use the word "Cool" ever again. Thanks Weimer. But actually, this course was very worthwhile. The students were generally curious and hard-working, making the class atmosphere a productive one. In addition, Professor Weimer was incredibly approachable. The one suggestion I would make is to not communicate solely through Piazza. Many an announcement was missed because I did not constantly check Piazza and I believe e-mail would have been a better communication medium. - Anonymous

Seriously, this course has disabled me from being an effective 1110 TA. Because when they ask questions about how to call a method on an object, I tell them more about dispatch than they ever want to know. Ever. Overall, though, I've learned so much from this class and I feel 50% more competent as a CS major now. To future students - RUN AWAY IF YOU LIKE UNICORNS. SAVE YOURSELVES. - Anonymous

This course involved far too much work for it to be a worthwhile course. While the professor warns the class of the amount of work he assigns, I do not think that it is right, and it is probably downright deceptive, to allot 3 credits to this course. However, the professor does know how to teach.

#### Great class!

Simply awesome course with awesome professor. Best course ever at UVa so far.

First, don't forget to drop this course - this isn't for the faint of heart! As a graduating 4th year, this probably was not the best choice for my final semester, but I digress... This was hands down one of the best courses I've taken, but I think it's too hyped up as being "the hardest class in the world", which is partially good because it discourages those who might not be able to succeed in this course so they drop out. Ultimately, it was completely doable. The first half of the course is a better review of Theory of Computation than CS 3102 itself. The next half of the course consisted of newer material that still was ultimately pretty simple. I think what makes this course appear like the destroyer of worlds is the expectation that you will have easily written >3,000 LOC by the time you leave the course (unless you use Haskell). If you take compilers, that number triples, I've heard. Anyway, other classes (that will remain anonymous) are considered easier because you might only write <=100 LOC. Anyway, 10/10 would take this again. Professor Weimer is a fantastic professor who deeply cares about teaching, which I definitely find refreshing and wholeheartedly appreciate.

This is legitimately the best undergraduate course in the entire CS department. I learned more in this one course than I've learned in most of my other courses combined. Furthermore, Wes is amazing and encouraging and makes learning fun and I wish he taught all of my classes.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	Professor Weimer is a great teacher, and he's very good with connecting with his students as well. Great course, very hard, but good course.
	PL was great! Compilers seemed kind of sad though for the people who were taking them :(
	There is absolutely nothing wrong with this course. There is a brutal amount of work, but I have learned far more about CS (in terms of theory and practical skills) from this course than any other course at UVA. Weimer is intense and can be intimidating at times, but he is a fantastic teacher and learning from him has been a true pleasure.