

CS 4810-001 Intro to Computer Graphics - Fall 2016

ENGR (19683)

INSTRUCTORS: Tychonievich, Luther (lat7h)

Respondents: 14 / Enrollment: 33

Summary: CS 4810-001 Intro to Computer Graphics - Fall 2016 (19683)	
Overall Course Rating CS-4810-001 Mean 4.50 CS-4810-001 Std Dev 0.76 CS-4810-001 Response Count 70 SEAS, 4000-level courses Mean 4.15 SEAS, 4000-level courses Std Dev 0.91 SEAS, 4000-level courses Response Count 10631	Overall Instructor Rating INSTRUCTOR: Tychonievich, Luther Mean 4.78 Std Dev 0.42 Response Count 98 SEAS, 4000-level courses Mean 4.30 SEAS, 4000-level courses Std Dev 0.84 SEAS, 4000-level courses Response Count 15765

~ 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-4810-001</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>14</td> <td>4.79</td> <td>0.43</td> <td>11 (78.57%)</td> <td>3 (21.43%)</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>2125</td> <td>4.36</td> <td>0.75</td> <td>1012 (47.62%)</td> <td>903 (42.49%)</td> <td>129 (6.07%)</td> <td>38 (1.79%)</td> <td>17 (0.80%)</td> <td>26 (1.22%)</td> </tr> </tbody> </table>	Results for CS-4810-001									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	14	4.79	0.43	11 (78.57%)	3 (21.43%)	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)	2125	4.36	0.75	1012 (47.62%)	903 (42.49%)	129 (6.07%)	38 (1.79%)	17 (0.80%)	26 (1.22%)
Results for CS-4810-001																																																							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)																																															
14	4.79	0.43	11 (78.57%)	3 (21.43%)	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)																																															
2125	4.36	0.75	1012 (47.62%)	903 (42.49%)	129 (6.07%)	38 (1.79%)	17 (0.80%)	26 (1.22%)																																															
<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-4810-001, Tychonievich, Luther</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>14</td> <td>4.71</td> <td>0.47</td> <td>10 (71.43%)</td> <td>4 (28.57%)</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>2252</td> <td>4.22</td> <td>0.93</td> <td>1004 (44.58%)</td> <td>788 (34.99%)</td> <td>228 (10.12%)</td> <td>103 (4.57%)</td> <td>35 (1.55%)</td> <td>94 (4.17%)</td> </tr> </tbody> </table>	Results for CS-4810-001, Tychonievich, Luther									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	14	4.71	0.47	10 (71.43%)	4 (28.57%)	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)	2252	4.22	0.93	1004 (44.58%)	788 (34.99%)	228 (10.12%)	103 (4.57%)	35 (1.55%)	94 (4.17%)
Results for CS-4810-001, Tychonievich, Luther																																																							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)																																															
14	4.71	0.47	10 (71.43%)	4 (28.57%)	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)																																															
2252	4.22	0.93	1004 (44.58%)	788 (34.99%)	228 (10.12%)	103 (4.57%)	35 (1.55%)	94 (4.17%)																																															
<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-4810-001</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>14</td> <td>4.50</td> <td>0.76</td> <td>9 (64.29%)</td> <td>3 (21.43%)</td> <td>2 (14.29%)</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>2124</td> <td>4.26</td> <td>0.84</td> <td>922 (43.41%)</td> <td>956 (45.01%)</td> <td>136 (6.40%)</td> <td>63 (2.97%)</td> <td>35 (1.65%)</td> <td>12 (0.56%)</td> </tr> </tbody> </table>	Results for CS-4810-001									Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)	14	4.50	0.76	9 (64.29%)	3 (21.43%)	2 (14.29%)	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)	2124	4.26	0.84	922 (43.41%)	956 (45.01%)	136 (6.40%)	63 (2.97%)	35 (1.65%)	12 (0.56%)
Results for CS-4810-001																																																							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)																																															
14	4.50	0.76	9 (64.29%)	3 (21.43%)	2 (14.29%)	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)																																															
2124	4.26	0.84	922 (43.41%)	956 (45.01%)	136 (6.40%)	63 (2.97%)	35 (1.65%)	12 (0.56%)																																															

~ 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-4810-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
14	4.71	0.61	11 (78.57%)	2 (14.29%)	1 (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)
2129	4.18	0.90	831 (39.03%)	789 (37.06%)	222 (10.43%)	85 (3.99%)	28 (1.32%)	174 (8.17%)

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-4810-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
14	3.50	0.71	0 (0.00%)	1 (7.14%)	1 (7.14%)	0 (0.00%)	0 (0.00%)	12 (85.71%)

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)
2125	3.68	1.08	258 (12.14%)	356 (16.75%)	287 (13.51%)	74 (3.48%)	52 (2.45%)	1098 (51.67%)

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-4810-001, Tychonievich, Luther								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
14	4.57	0.51	8 (57.14%)	6 (42.86%)	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)
2250	4.08	0.93	790 (35.11%)	957 (42.53%)	267 (11.87%)	121 (5.38%)	37 (1.64%)	78 (3.47%)

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-4810-001, Tychonievich, Luther								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
14	4.93	0.27	13 (92.86%)	1 (7.14%)	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)
2257	4.59	0.64	1481 (65.62%)	647 (28.67%)	93 (4.12%)	13 (0.58%)	10 (0.44%)	13 (0.58%)

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-4810-001, Tychonievich, Luther								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
14	4.79	0.43	11 (78.57%)	3 (21.43%)	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)
2256	4.38	0.76	1124 (49.82%)	872 (38.65%)	155 (6.87%)	48 (2.13%)	12 (0.53%)	45 (1.99%)

~ 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-4810-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
14	4.14	0.95	6 (42.86%)	5 (35.71%)	2 (14.29%)	1 (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)
2128	4.04	0.93	704 (33.08%)	922 (43.33%)	288 (13.53%)	111 (5.22%)	38 (1.79%)	65 (3.05%)

10. The grading policy was fair.

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4810-001, Tychonievich, Luther								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
14	4.79	0.43	11 (78.57%)	3 (21.43%)	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)
2254	4.16	0.89	876 (38.86%)	966 (42.86%)	215 (9.54%)	94 (4.17%)	38 (1.69%)	65 (2.88%)

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-4810-001, Tychonievich, Luther								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
14	4.79	0.43	11 (78.57%)	3 (21.43%)	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)
2250	4.38	0.78	1134 (50.40%)	868 (38.58%)	142 (6.31%)	38 (1.69%)	25 (1.11%)	43 (1.91%)

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-4810-001, Tychonievich, Luther								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
14	4.86	0.36	12 (85.71%)	2 (14.29%)	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)
2246	4.28	0.81	962 (42.83%)	931 (41.45%)	183 (8.15%)	55 (2.45%)	24 (1.07%)	91 (4.05%)

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-4810-001					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
14	0 (0.00%)	1 (7.14%)	9 (64.29%)	3 (21.43%)	1 (7.14%)

Results for SEAS, 4000-level courses					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
2131	85 (3.99%)	746 (35.01%)	904 (42.42%)	263 (12.34%)	133 (6.24%)

~ 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-4810-001																
	<table border="1"> <thead> <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> </tr> </thead> <tbody> <tr> <td>14</td> <td>4.50</td> <td>0.65</td> <td>8 (57.14%)</td> <td>5 (35.71%)</td> <td>1 (7.14%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	14	4.50	0.65	8 (57.14%)	5 (35.71%)	1 (7.14%)	0 (0.00%)	0 (0.00%)
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)									
14	4.50	0.65	8 (57.14%)	5 (35.71%)	1 (7.14%)	0 (0.00%)	0 (0.00%)										
Results for SEAS, 4000-level courses																	
	<table border="1"> <thead> <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> </tr> </thead> <tbody> <tr> <td>2121</td> <td>4.14</td> <td>0.90</td> <td>839 (39.56%)</td> <td>895 (42.20%)</td> <td>262 (12.35%)</td> <td>92 (4.34%)</td> <td>33 (1.56%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	2121	4.14	0.90	839 (39.56%)	895 (42.20%)	262 (12.35%)	92 (4.34%)	33 (1.56%)
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)										
2121	4.14	0.90	839 (39.56%)	895 (42.20%)	262 (12.35%)	92 (4.34%)	33 (1.56%)										
<p>15. Overall, this was a worthwhile course.</p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-4810-001																
	<table border="1"> <thead> <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> </tr> </thead> <tbody> <tr> <td>14</td> <td>4.64</td> <td>0.50</td> <td>9 (64.29%)</td> <td>5 (35.71%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	14	4.64	0.50	9 (64.29%)	5 (35.71%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)									
14	4.64	0.50	9 (64.29%)	5 (35.71%)	0 (0.00%)	0 (0.00%)	0 (0.00%)										
Results for SEAS, 4000-level courses																	
	<table border="1"> <thead> <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> </tr> </thead> <tbody> <tr> <td>2124</td> <td>4.18</td> <td>0.95</td> <td>940 (44.26%)</td> <td>818 (38.51%)</td> <td>223 (10.50%)</td> <td>90 (4.24%)</td> <td>53 (2.50%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	2124	4.18	0.95	940 (44.26%)	818 (38.51%)	223 (10.50%)	90 (4.24%)	53 (2.50%)
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)										
2124	4.18	0.95	940 (44.26%)	818 (38.51%)	223 (10.50%)	90 (4.24%)	53 (2.50%)										
<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-4810-001, Tychonievich, Luther																
	<table border="1"> <thead> <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> </tr> </thead> <tbody> <tr> <td>14</td> <td>4.64</td> <td>0.50</td> <td>9 (64.29%)</td> <td>5 (35.71%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	14	4.64	0.50	9 (64.29%)	5 (35.71%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)									
14	4.64	0.50	9 (64.29%)	5 (35.71%)	0 (0.00%)	0 (0.00%)	0 (0.00%)										
Results for SEAS, 4000-level courses																	
	<table border="1"> <thead> <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> </tr> </thead> <tbody> <tr> <td>2244</td> <td>4.32</td> <td>0.74</td> <td>1001 (44.61%)</td> <td>1021 (45.50%)</td> <td>168 (7.49%)</td> <td>38 (1.69%)</td> <td>16 (0.71%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	2244	4.32	0.74	1001 (44.61%)	1021 (45.50%)	168 (7.49%)	38 (1.69%)	16 (0.71%)
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)										
2244	4.32	0.74	1001 (44.61%)	1021 (45.50%)	168 (7.49%)	38 (1.69%)	16 (0.71%)										
<p>17. The instructor was approachable and made himself/herself available to students outside the classroom.</p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-4810-001, Tychonievich, Luther																
	<table border="1"> <thead> <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> </tr> </thead> <tbody> <tr> <td>14</td> <td>4.86</td> <td>0.36</td> <td>12 (85.71%)</td> <td>2 (14.29%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	14	4.86	0.36	12 (85.71%)	2 (14.29%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)									
14	4.86	0.36	12 (85.71%)	2 (14.29%)	0 (0.00%)	0 (0.00%)	0 (0.00%)										
Results for SEAS, 4000-level courses																	
	<table border="1"> <thead> <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> </tr> </thead> <tbody> <tr> <td>2251</td> <td>4.32</td> <td>0.85</td> <td>1141 (50.69%)</td> <td>794 (35.27%)</td> <td>224 (9.95%)</td> <td>70 (3.11%)</td> <td>22 (0.98%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	2251	4.32	0.85	1141 (50.69%)	794 (35.27%)	224 (9.95%)	70 (3.11%)	22 (0.98%)
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)										
2251	4.32	0.85	1141 (50.69%)	794 (35.27%)	224 (9.95%)	70 (3.11%)	22 (0.98%)										
<p>18. Overall, the instructor was an effective teacher.</p> <p>~ Question Type: Likert ~ contributed by Office of the Provost</p>	Results for CS-4810-001, Tychonievich, Luther																
	<table border="1"> <thead> <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> </tr> </thead> <tbody> <tr> <td>14</td> <td>4.79</td> <td>0.43</td> <td>11 (78.57%)</td> <td>3 (21.43%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	14	4.79	0.43	11 (78.57%)	3 (21.43%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)									
14	4.79	0.43	11 (78.57%)	3 (21.43%)	0 (0.00%)	0 (0.00%)	0 (0.00%)										
Results for SEAS, 4000-level courses																	
	<table border="1"> <thead> <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> </tr> </thead> <tbody> <tr> <td>2261</td> <td>4.29</td> <td>0.87</td> <td>1097 (48.52%)</td> <td>857 (37.90%)</td> <td>205 (9.07%)</td> <td>66 (2.92%)</td> <td>36 (1.59%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	2261	4.29	0.87	1097 (48.52%)	857 (37.90%)	205 (9.07%)	66 (2.92%)	36 (1.59%)
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)										
2261	4.29	0.87	1097 (48.52%)	857 (37.90%)	205 (9.07%)	66 (2.92%)	36 (1.59%)										

~ 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-4810-001	
Total	Individual Answers
6	See below for Individual Results

class worth going to UVA

This is quite a different course as I took before as it requires a lot of visual note-taking. I would like a better explanation of how to take effective notes in that sense since there are times my drawings do not match the instructor's, and then I realize I drew the wrong thing.

Professor Tychonievich was great in class, presenting the material in a way that was logical, practically-motivated, and allowed for students to ask questions if confused. It was also very helpful that he provided lecture recordings and materials on his webpage. Toward the end of the semester, he changed the format of his lecture recordings so that they were streamable. While I'm sure many in the course appreciated this change, I think it would have been nice to also keep the option of downloading the recording as a .mp4 file. The only "issues" I had with the way the course was conducted dealt with the "textbook/readings" and a miscommunication early on in the semester about "due" dates. First, although I thought the idea of the textbook being the whole Internet was really cool, in practice, I was sometimes confused about what I could and could not consult with respect to open-note/textbook quizzes. Obviously it would be academically dishonest to take code from a source without citations, but when I ran into conceptual questions, I was never quite sure whether or not a Google search tailored to the question was allowed or not (I ended up just never using resources other than the lecture recordings and my notes). Perhaps communicating a bit more explicitly what resources one is allowed to use and not allowed to use on the Internet might be helpful? Similarly, pre-lecture readings were posted on the webpage, but I was never quite sure what I was supposed to focus on within the readings - perhaps it's because the roles of the readings in the course were not always clear (e.g. There were classes where Professor Tychonievich said to familiarize ourselves with a certain paper or video that was posted on the webpage so that we could explore the topic more in depth during lecture, but also classes where the reading seemed to be less essential to lecture and acted more as a "here's more context/additional stuff if you're interested about the topic"). I think that the variety in the role the readings play in the class was nice, but perhaps if on the webpage there were a bit more explanation as to how the readings would relate to what would be covered in class - perhaps categorizing them by: "Core conceptual idea readings" and "Further Investigation" readings? The only other "issue" I had involved a misunderstanding about what the expected loose due dates were - various student interpretations thought it meant "sometime during the weekend" while others thought it meant "before the end of Friday" or "by the end of class on Thursday." However, since Professor Tychonievich made it clear that it was more important that students learn the material rather than get assignments in on time without gaining the knowledge, this may be a nonissue in the big picture. I just remember that the first assignment was turned in a lot later by many students than Professor Tychonievich expected. This has been my favorite computer science elective course that I've taken thus far.

Professor Tychonievich was very helpful when I was struggling with the class and helped me to understand the homeworks in an effective manner. His quizzes could be confusing, but when going back over them, it normally became clear where the answer came from and it helped to understand which parts of the lecture needed more review than others. I think the homeworks were harder than it originally seemed, which threw some people off, but in the end, it was doable. It was all very new to me and I appreciated the opportunity to learn about this field.

Prof. Tychonievich does an amazing job of planning lectures. Every lesson is very well coordinated and broken down into seven ~10 minute sections that discuss a part of that class' subject. He does a great job of answering questions in class and making sure that all students are keeping up with the material. The course assignments closely relate to the lectures and help reinforce the major concepts.

I particularly enjoyed the freedom in the second half of the semester to study a wide range of topics. Also, as a personal opinion on subject matter, I enjoyed ray-tracing far more than scan-converting. I liked how it matched up better to real physical phenomena, and thought the process of exploiting the invertibility of optics to be elegant, even if more work for the computer.