

Virginia Tech

Fall 2025 VT Student Perceptions of Teaching (SPOT)

Course: ME_4584_87623_202509: Robotics Laboratory-ME_4584_87623_202509
Instructor: Dylan Patrick Losey *
Response Rate: 13/29 (44.83 %)

1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1A - The instructor was well prepared.

Dylan Patrick Losey

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Strongly disagree	(1)	0	0.00%			4.54	5.34	5.26	Question	College	Department
Disagree	(2)	1	7.69%	■							
Somewhat disagree	(3)	1	7.69%	■							
Somewhat agree	(4)	3	23.08%	■							
Agree	(5)	6	46.15%	■							
Strongly agree	(6)	2	15.38%	■							
					0	25	50	100	Question	College	Department
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
13/29 (44.83%)	4.54	1.13	5.00	23996	5.34	0.97	6.00	3215	5.26	1.03	6.00

1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1B - The instructor presented the subject matter clearly.

Dylan Patrick Losey

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Strongly disagree	(1)	0	0.00%			4.92	5.17	5.05	Question	College	Department
Disagree	(2)	0	0.00%								
Somewhat disagree	(3)	0	0.00%								
Somewhat agree	(4)	4	30.77%	■							
Agree	(5)	6	46.15%	■							
Strongly agree	(6)	3	23.08%	■							
					0	25	50	100	Question	College	Department
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
13/29 (44.83%)	4.92	0.76	5.00	23792	5.17	1.13	6.00	3195	5.05	1.20	5.00

1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1C - The instructor provided feedback intended to improve my course performance.

Dylan Patrick Losey

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Strongly disagree	(1)	0	0.00%			4.69	5.11	4.92	Question	College	Department
Disagree	(2)	0	0.00%								
Somewhat disagree	(3)	2	15.38%	■							
Somewhat agree	(4)	2	15.38%	■							
Agree	(5)	7	53.85%	■							
Strongly agree	(6)	2	15.38%	■							
					0	25	50	100	Question	College	Department
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
13/29 (44.83%)	4.69	0.95	5.00	23781	5.11	1.17	5.00	3196	4.92	1.26	5.00

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Response Rate: 13/29 (44.83 %)

1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1D - The instructor fostered an atmosphere of mutual respect.

Dylan Patrick Losey

Response Option		Weight	Frequency	Percent	Percent Responses	Means									
Strongly disagree		(1)	0	0.00%		5.31		5.41		5.31					
Disagree		(2)	0	0.00%											
Somewhat disagree		(3)	0	0.00%											
Somewhat agree		(4)	1	7.69%											
Agree		(5)	7	53.85%											
Strongly agree		(6)	5	38.46%											
					0	25	50	100	Question		College		Department		
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median	
13/29 (44.83%)		5.31	0.63	5.00	23758		5.41	0.96	6.00	3195		5.31	1.04	6.00	

1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1E - Overall, the instructor's teaching was effective.

Dylan Patrick Losey

Response Option		Weight	Frequency	Percent	Percent Responses	Means									
Strongly disagree		(1)	0	0.00%											
Disagree		(2)	0	0.00%											
Somewhat disagree		(3)	0	0.00%											
Somewhat agree		(4)	4	30.77%											
Agree		(5)	5	38.46%											
Strongly agree		(6)	4	30.77%											
					0	25	50	100	Question		College		Department		
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median	
13/29 (44.83%)		5.00	0.82	5.00	23624		5.14	1.17	6.00	3185		5.01	1.26	5.00	

2 - 2A - What did the instructor do that most helped in your learning?

Dylan Patrick Losey

Response Rate	8/29 (27.59%)
<ul style="list-style-type: none">• The lectures translated very directly to the labs, ensuring there was an understanding of the information, but still providing a challenge in doing the lab.• The first lab laid the groundwork for the necessary calibration steps used to preface every lab which made subsequent labs easier. The objectives of the lab were clear. Scaffolding code was useful.• Labs were directly related to concepts learned in lecture• gave exemptions if we couldn't finish a lab because of technical difficulties• The TAs were the ones who run this part of the course, and they were usually somewhat helpful if we asked questions• Not only did he have loads of notes but videos as well that help a lot in solving problems and understanding theory.• N/A. Helpful TA's though.• Labs were not graded very harshly	

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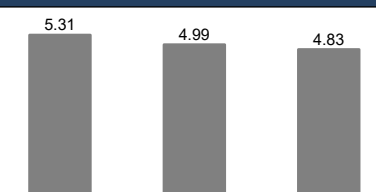
3 - Please indicate the extent to which you agree or disagree with each of the following statements:

3A - I have a deeper understanding of the subject matter as a result of this course.

Response Option		Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree		(1)	0	0.00%	<div><div></div></div>	<div><div>5.50</div></div>	<div><div>5.23</div></div>	<div><div>5.17</div></div>						
Disagree		(2)	0	0.00%										
Somewhat disagree		(3)	0	0.00%										
Somewhat agree		(4)	0	0.00%										
Agree		(5)	6	50.00%	<div><div></div></div>									
Strongly agree		(6)	6	50.00%	<div><div></div></div>									
					02550100	Question		College		Department				
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median
12/29 (41.38%)		5.50	0.52	5.50	21970		5.23	1.02	5.00	3147		5.17	1.07	5.00

3 - Please indicate the extent to which you agree or disagree with each of the following statements:

3B - My interest in the subject matter was stimulated by this course.

Response Option		Weight	Frequency	Percent	Percent Responses	Means									
Strongly disagree		(1)	0	0.00%			Question		College		Department				
Disagree		(2)	0	0.00%											
Somewhat disagree		(3)	0	0.00%											
Somewhat agree		(4)	1	7.69%											
Agree		(5)	7	53.85%											
Strongly agree		(6)	5	38.46%											
					0	25	50	100	Question		College		Department		
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median	
13/29 (44.83%)		5.31	0.63	5.00	21988		4.99	1.25	5.00	3162		4.83	1.34	5.00	

4 - 4A - What could you have done to be a better learner?

Response Rate 6/29 (20.69%)

- Prelab prep
- We had some issues with our robot earlier on that detracted from the overall lab. I could have better managed my frustration and done a better job of troubleshooting.
- learned simulink better
- Read the lab manuals ahead of time
- Simulink kinda sucks and the laptops suck as well
- Overviewed labs in advance.

5 - 5A - Please add any additional comments regarding the course and/or instructor here:

Dylan Patrick Losey

Response Rate 8/29 (27.59%)

- As part of the first section of the week, I was often part of the group that had to work to diagnose problems with the lab. Non functional equipment, improper or unclear instructions, and TA's that rarely knew how to fix things except to start over. The equipment is far from new. Where is my tuition going if not to my education? Just replacing the laptops would do wonders for this lab.
- I think the lab was challenging, but not overly so. It added significant value to the Robotics course overall/.
- Great instructor. His classes are always excellent.
- Again, the TAs were in charge of this part of the course. It felt like they only partially knew how to do the stuff in the lab, and the first week we couldn't get the robot working enough to do anything with it. Also, there wasn't enough time in the later labs to do everything on the assignment
- slow laptops big problem
- Robots are glitchy
- Labs were relevant to course material. Simulink is cool. I liked the little challenges in it, too, like making the robot draw a circle or the haptic object.
- MATLAB 2015 is not the most efficient software

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6 - 6A - How would you rate the physical environment in which you took this class based upon your ability to see, hear, concentrate, and participate?

Response Option		Weight	Frequency	Percent	Percent Responses	Means								
Very Bad		(1)	0	0.00%										
Bad		(2)	0	0.00%										
Poor		(3)	0	0.00%										
Fair		(4)	2	16.67%										
Good		(5)	7	58.33%										
Very Good		(6)	3	25.00%										
					02550100	Question		College		Department				
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median
12/29 (41.38%)		5.08	0.67	5.00	21636		5.27	0.90	5.00	3105		5.14	0.91	5.00

7 - 7A - Please add any comments about the physical environment here:

Response Rate 7/29 (24.14%)

- Seating would be nice, but lab was good for what was demanded of it.
- The lab room was conducive of learning, although issues with my benches specific robot detracted.
- Could have used more tall chairs.
- a few notable technical difficulties, also 2015 Matlab is quite outdated
- There was room at those desks for AT MOST 2 people per laptop, but we were told to form groups of 3, and we wound up with a group of 4. This made it impossible for everyone to be fully involved in the lab
- Just some lab space
- Old-a** laptops did not make things easy, but things generally worked for us, so whatever.

8 - Please indicate the extent to which you agree or disagree with each of the following statements:

I improved my ability to problem solve.

Response Option		Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree		(1)	0	0.00%										
Disagree		(2)	0	0.00%										
Somewhat disagree		(3)	1	7.69%										
Somewhat agree		(4)	1	7.69%										
Agree		(5)	7	53.85%										
Strongly agree		(6)	4	30.77%										
					02550100	Question		College		Department				
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median
13/29 (44.83%)		5.08	0.86	5.00	22018		5.15	0.99	5.00	3164		5.12	1.01	5.00

8 - Please indicate the extent to which you agree or disagree with each of the following statements:

The textbook or course readings made a valuable contribution to my learning.

Response Option				Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree				(1)	1	7.69%										
Disagree				(2)	2	15.38%										
Somewhat disagree				(3)	3	23.08%										
Somewhat agree				(4)	1	7.69%										
Agree				(5)	4	30.77%										
Strongly agree				(6)	2	15.38%										
							0	25	50	100	Question	College		Department		
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median		
13/29 (44.83%)		3.85	1.63	4.00	21913		4.72	1.37	5.00	3141		4.50	1.45	5.00		

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8 - Please indicate the extent to which you agree or disagree with each of the following statements:

The objectives of the course were clearly explained.

Response Option		Weight	Frequency	Percent	Percent Responses	Means									
Strongly disagree		(1)	0	0.00%											
Disagree		(2)	1	7.69%											
Somewhat disagree		(3)	0	0.00%											
Somewhat agree		(4)	3	23.08%											
Agree		(5)	6	46.15%											
Strongly agree		(6)	3	23.08%											
					0	25	50	100	Question		College		Department		
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median	
13/29 (44.83%)		4.77	1.09	5.00	21994		5.20	1.03	5.00	3157		5.06	1.12	5.00	

8 - Please indicate the extent to which you agree or disagree with each of the following statements:

The out-of-class assignments were educationally valuable.

Response Option		Weight	Frequency	Percent	Percent Responses	Means						
Strongly disagree		(1)	1	8.33%								
Disagree		(2)	0	0.00%								
Somewhat disagree		(3)	2	16.67%								
Somewhat agree		(4)	1	8.33%								
Agree		(5)	5	41.67%								
Strongly agree		(6)	3	25.00%								
					0	25	50	100	Question	College	Department	
Response Rate		Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
12/29 (41.38%)		4.50	1.51	5.00	21816	5.11	1.13	5.00	3136	5.02	1.20	5.00

9 - The instructor related theories and concepts to practical issues.

Dylan Patrick Losey

Response Option				Weight	Frequency	Percent	Percent Responses	Means						
Strongly disagree				(1)	0	0.00%								
Disagree				(2)	0	0.00%								
Somewhat disagree				(3)	0	0.00%								
Somewhat agree				(4)	0	0.00%								
Agree				(5)	7	53.85%								
Strongly agree				(6)	6	46.15%								
							0	25	50	100	Question	College	Department	
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department	Mean	STD	Median	
13/29 (44.83%)		5.46	0.52	5.00	23345		5.33	0.94	6.00	3169	5.34	0.95	6.00	