

Virginia Tech  
Fall 2022 VT Student Perceptions of Teaching (SPOT)

Course: ME\_4584\_91792\_202209: Robotics Laboratory-ME\_4584\_91792\_202209  
 Instructor: Dylan Patrick Losey \*  
 Response Rate: 5/15 (33.33 %)

**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%		5.40	5.25	5.11	Question	College	Department	Mean	STD	Median	
Disagree	(2)	0	0.00%											
Somewhat disagree	(3)	0	0.00%											
Somewhat agree	(4)	0	0.00%											
Agree	(5)	3	60.00%											
Strongly agree	(6)	2	40.00%											
					0	25	50	100	Question	College	Department			
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median			
5/15 (33.33%)	5.40	0.55	5.00	24710	5.25	1.06	6.00	2402	5.11	1.16	5.00			

**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%		5.60	5.07	4.84	Question	College	Department	Mean	STD	Median	
Disagree	(2)	0	0.00%											
Somewhat disagree	(3)	0	0.00%											
Somewhat agree	(4)	0	0.00%											
Agree	(5)	2	40.00%											
Strongly agree	(6)	3	60.00%											
					0	25	50	100	Question	College	Department			
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median			
5/15 (33.33%)	5.60	0.55	6.00	24533	5.07	1.20	5.00	2388	4.84	1.38	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%		5.20	5.01	4.74	Question	College	Department	Mean	STD	Median	
Disagree	(2)	0	0.00%											
Somewhat disagree	(3)	0	0.00%											
Somewhat agree	(4)	0	0.00%											
Agree	(5)	4	80.00%											
Strongly agree	(6)	1	20.00%											
					0	25	50	100	Question	College	Department			
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median			
5/15 (33.33%)	5.20	0.45	5.00	24526	5.01	1.25	5.00	2385	4.74	1.40	5.00			

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 Response Rate: 5/15 (33.33 %)

**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%		5.60	5.36	5.18	Question	College	Department	Mean	STD	Median	
Disagree	(2)	0	0.00%											
Somewhat disagree	(3)	0	0.00%											
Somewhat agree	(4)	0	0.00%											
Agree	(5)	2	40.00%											
Strongly agree	(6)	3	60.00%											
					0	25	50	100	Question	College	Department	Mean	STD	Median
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median			
5/15 (33.33%)	5.60	0.55	6.00	24481	5.36	1.00	6.00	2383	5.18	1.13	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%		5.60	5.05	4.81	Question	College	Department	Mean	STD	Median	
Disagree	(2)	0	0.00%											
Somewhat disagree	(3)	0	0.00%											
Somewhat agree	(4)	0	0.00%											
Agree	(5)	2	40.00%											
Strongly agree	(6)	3	60.00%											
					0	25	50	100	Question	College	Department	Mean	STD	Median
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median			
5/15 (33.33%)	5.60	0.55	6.00	24389	5.05	1.24	5.00	2372	4.81	1.41	5.00			

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

Dylan Patrick Losey

Response Rate	Mean
1/15 (6.67%)	

• The labs were very fun.

**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%		5.60	5.14	4.99	Question	College	Department	Mean	STD	Median	
Disagree	(2)	0	0.00%											
Somewhat disagree	(3)	0	0.00%											
Somewhat agree	(4)	0	0.00%											
Agree	(5)	2	40.00%											
Strongly agree	(6)	3	60.00%											
					0	25	50	100	Question	College	Department	Mean	STD	Median
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median			
5/15 (33.33%)	5.60	0.55	6.00	21442	5.14	1.08	5.00	2066	4.99	1.19	5.00			

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**Instructor:** Dylan Patrick Losey \*  
**Response Rate:** 5/15 (33.33 %)

### 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%			<table border="1"> <thead> <tr> <th>Question</th> <th>College</th> <th>Department</th> </tr> </thead> <tbody> <tr> <td>5.60</td> <td>4.90</td> <td>4.72</td> </tr> </tbody> </table>	Question	College	Department	5.60	4.90	4.72																			
Question	College	Department																													
5.60	4.90	4.72																													
Disagree	(2)	0	0.00%																												
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Strongly agree	(6)	3	60.00%																												
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Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median																				
5/15 (33.33%)	5.60	0.55	6.00	21326	4.90	1.31	5.00	2057	4.72	1.41	5.00																				

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

**Response Rate** 1/15 (6.67%)

- I could have started looking at the labs earlier before showing up to lab.

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

Dylan Patrick Losey

**Response Rate** 0/15 (0%)

### 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%			<table border="1"> <thead> <tr> <th>Question</th> <th>College</th> <th>Department</th> </tr> </thead> <tbody> <tr> <td>5.20</td> <td>5.20</td> <td>5.12</td> </tr> </tbody> </table>	Question	College	Department	5.20	5.20	5.12																			
Question	College	Department																													
5.20	5.20	5.12																													
Bad	(2)	0	0.00%																												
Poor	(3)	0	0.00%																												
Fair	(4)	1	20.00%																												
Good	(5)	2	40.00%																												
Very Good	(6)	2	40.00%																												
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Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median																				
5/15 (33.33%)	5.20	0.84	5.00	21272	5.20	0.93	5.00	2051	5.12	1.02	5.00																				

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

**Response Rate** 2/15 (13.33%)

- The height of the chairs doesn't match the tables well.
- Randolph is kind of old and smelly and hot.

### 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%			<table border="1"> <thead> <tr> <th>Question</th> <th>College</th> <th>Department</th> </tr> </thead> <tbody> <tr> <td>5.40</td> <td>5.08</td> <td>5.02</td> </tr> </tbody> </table>	Question	College	Department	5.40	5.08	5.02																			
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Disagree	(2)	0	0.00%																												
Somewhat disagree	(3)	0	0.00%																												
Somewhat agree	(4)	0	0.00%																												
Agree	(5)	3	60.00%																												
Strongly agree	(6)	2	40.00%																												
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Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median																				
5/15 (33.33%)	5.40	0.55	5.00	21365	5.08	1.04	5.00	2055	5.02	1.09	5.00																				

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**Response Rate:** 5/15 (33.33 %)

**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)	0	0.00%									
Disagree	(2)	0	0.00%									
Somewhat disagree	(3)	0	0.00%									
Somewhat agree	(4)	0	0.00%									
Agree	(5)	3	60.00%									
Strongly agree	(6)	2	40.00%									
					0	25	50	100	Question	College	Department	
<b>Response Rate</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>College</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>Department</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	
5/15 (33.33%)	5.40	0.55	5.00	21251	4.63	1.41	5.00	2049	4.50	1.43	5.00	

**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)	0	0.00%									
Somewhat disagree	(3)	0	0.00%									
Somewhat agree	(4)	0	0.00%									
Agree	(5)	3	60.00%									
Strongly agree	(6)	2	40.00%									
					0	25	50	100	Question	College	Department	
<b>Response Rate</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>College</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>Department</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	
5/15 (33.33%)	5.40	0.55	5.00	21306	5.11	1.11	5.00	2043	4.93	1.23	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)	0	0.00%									
Disagree	(2)	0	0.00%									
Somewhat disagree	(3)	0	0.00%									
Somewhat agree	(4)	0	0.00%									
Agree	(5)	2	40.00%									
Strongly agree	(6)	3	60.00%									
					0	25	50	100	Question	College	Department	
<b>Response Rate</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>College</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>Department</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	
5/15 (33.33%)	5.60	0.55	6.00	21178	5.03	1.18	5.00	2039	4.84	1.30	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)	2	40.00%									
Strongly agree	(6)	3	60.00%									
					0	25	50	100	Question	College	Department	
<b>Response Rate</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>College</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>Department</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	
5/15 (33.33%)	5.60	0.55	6.00	24126	5.25	1.01	6.00	2346	5.12	1.14	5.00	

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**Response Rate:** 5/15 (33.33 %)

**10 - At the end of this course, how do I rate my ability to:**  
**Program the robot's forward kinematics, inverse kinematics, and Jacobian.**

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Poor	(1)	0	0.00%									
Fair	(2)	0	0.00%									
Good	(3)	2	40.00%	■								
Excellent	(4)	2	40.00%	■								
N/A	(0)	1	20.00%	■								
					0	25	50	100	Question	College	Department	
<b>Response Rate</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>College</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>Department</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	
5/15 (33.33%)	3.50	0.58	3.50	39	3.79	0.41	4.00	39	3.79	0.41	4.00	

**10 - At the end of this course, how do I rate my ability to:**  
**Interact with the robot arm and measure it's joint space and workspace; compare the robot's measured position and velocity to the positions and velocities predicted by the robot's kinematics.**

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Poor	(1)	0	0.00%									
Fair	(2)	0	0.00%									
Good	(3)	2	40.00%	■								
Excellent	(4)	2	40.00%	■								
N/A	(0)	1	20.00%	■								
					0	25	50	100	Question	College	Department	
<b>Response Rate</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>College</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>Department</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	
5/15 (33.33%)	3.50	0.58	3.50	39	3.71	0.46	4.00	39	3.71	0.46	4.00	

**10 - At the end of this course, how do I rate my ability to:**  
**Control the robot arm to track a desired trajectory in joint space and in end-effector space.**

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Poor	(1)	0	0.00%									
Fair	(2)	0	0.00%									
Good	(3)	2	40.00%	■								
Excellent	(4)	2	40.00%	■								
N/A	(0)	1	20.00%	■								
					0	25	50	100	Question	College	Department	
<b>Response Rate</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>College</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	<b>Department</b>	<b>Mean</b>	<b>STD</b>	<b>Median</b>	
5/15 (33.33%)	3.50	0.58	3.50	39	3.63	0.59	4.00	39	3.63	0.59	4.00	