

Virginia Tech
Fall 2024 VT Student Perceptions of Teaching (SPOT)

Course: ME_4524_87352_202409: Robotics & Automation-ME_4524_87352_202409
 Instructor: Dylan Patrick Losey *
 Response Rate: 52/60 (86.67%)

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%		5.69	5.31	5.24	Question	College	Department	Mean	STD	Median	
Disagree	(2)	0	0.00%											
Somewhat disagree	(3)	0	0.00%											
Somewhat agree	(4)	1	1.92%											
Agree	(5)	14	26.92%											
Strongly agree	(6)	37	71.15%											
					0	25	50	100						
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median			
52/60 (86.67%)	5.69	0.51	6.00	24647	5.31	1.01	6.00	2625	5.24	1.08	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%		5.41	5.14	5.02	Question	College	Department	Mean	STD	Median	
Disagree	(2)	0	0.00%											
Somewhat disagree	(3)	1	1.96%											
Somewhat agree	(4)	5	9.80%											
Agree	(5)	17	33.33%											
Strongly agree	(6)	28	54.90%											
					0	25	50	100						
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median			
51/60 (85.00%)	5.41	0.75	6.00	24466	5.14	1.15	5.00	2611	5.02	1.24	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%		5.08	5.10	4.97	Question	College	Department	Mean	STD	Median	
Disagree	(2)	1	1.92%											
Somewhat disagree	(3)	1	1.92%											
Somewhat agree	(4)	12	23.08%											
Agree	(5)	17	32.69%											
Strongly agree	(6)	21	40.38%											
					0	25	50	100						
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median			
52/60 (86.67%)	5.08	0.95	5.00	24446	5.10	1.17	5.00	2603	4.97	1.23	5.00			

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Response Rate: 52/60 (86.67 %)

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%		5.67	5.41	5.33					
Disagree	(2)	0	0.00%									
Somewhat disagree	(3)	0	0.00%									
Somewhat agree	(4)	2	3.85%									
Agree	(5)	13	25.00%									
Strongly agree	(6)	37	71.15%									
0 25 50 100					Question	College	Department					
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
52/60 (86.67%)	5.67	0.55	6.00	24424	5.41	0.95	6.00	2605	5.33	1.01	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%		5.38	5.13	5.00					
Disagree	(2)	0	0.00%									
Somewhat disagree	(3)	1	2.00%									
Somewhat agree	(4)	5	10.00%									
Agree	(5)	18	36.00%									
Strongly agree	(6)	26	52.00%									
0 25 50 100					Question	College	Department					
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
50/60 (83.33%)	5.38	0.75	6.00	24242	5.13	1.18	5.00	2587	5.00	1.27	5.00	

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

Dylan Patrick Losey

Response Rate	42/60 (70%)
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- Professor Losey did a great job of providing real world examples to the theory that we learned in lecture to convey concepts and help me understand visually what is going on
- The videos and practice problems helped a lot.
- Slides were very easy to follow visually. Broke down complicated math topics into digestible applications.
- His explanations were very clear.
- He had online lectures and posted slides in addition to his in-person lectures, which were invaluable when looking back at content and trying to better understand it. In addition, he had practice problems with posted solutions, which were very helpful in understanding how to solve these types of problems.
- I like how well he was organized
- He always came to class prepared, answers everyone's questions to the best of his ability, and presents the material in a way that everyone can understand.
- his recorded lectures helped a lot with assignments and projects
- I think having the pre-recorded lectures is very nice for reviewing content.
- Dr. Losey's classes are very well organized. Lectures and notes are provided on canvas in advance of class, so I can revisit lecture material. His office hours are helpful, and he presents the class with a lot of real-world application of the robotics & automation material we learn in class.
- Dr. Losey went over problems in class in addition to the example problems in the lecture slides, which was very helpful to see certain applications of what we were learning. It was also very helpful to have the videos posted online to have a reference to go back to if I got stuck on any HW problems.
- Presented the information in a very easy way to understand.
- Had well prepared lecture slides and practice problem sets.
- Really quite excellent. Appreciated how he taught us both theory AND effective strategies for tackling problems. He gave us a really good framework for modeling robots and I've already started applying what I've learned here in my senior design project.
- I liked that videos of lectures were posted so that if I needed to reference things during homework or studying I could go back into the videos to relearn the material.
- Dr. Losey provided lecture recordings online so that if I was confused on a topic or homework problem, I could go back and rewatch the lecture to refresh my memory on what was discussed in class.
- Dr Losey has been one of the best lecturers and and professors I have had here at VT. He has incredibly we put together slides that he lectures on and references well but does not read off of. He knows his subject matter very well and communicates his knowledge without it being overwhelming or making the student feel inferior. Dr Losey would always began class with a video of a robotic system which served two folds. First it showed the wide range of robotics, but it always related to the subject we were on which would then lead into a brief classroom discussion about what is happening in the robotics system.
- Professor Losey posted all of the slideshows and recorded lectures in advance which was very helpful.
- He is just an amazing professor. I had him last year for controls, and he is 100 percent the best professor on this campus. He explains information so clearly that it is very easy to understand and know what you don't understand. I cannot emphasize what an amazing professor Dr. Losey is.
- Professor Losey is the best professor I have had at VT so far. His lectures were very clear even for difficult topics, and the structure of lecture and practice problems was very good. The videos he posts on canvas are the greatest thing since sliced bread, it makes it okay to miss a class here and there if needed and I did not feel pressured to write every single thing down in lecture, since I could go back and rewatch. The canvas was super organized which was very helpful and reduced my stress levels. Our midterm was fair, and the homeworks were challenging but really helped me learn. All in all perfect
- Answered questions and gave hints to problems after classes
- The labs
- Go through practice problems during lecture.
- Professor Losey was a great instructor. He was very clear in the way he described concepts; he made very complicated ideas be very clear and easy to understand. Professor Losey was one of the best professors I have had at VT. I liked how he formatted the lectures with concepts and then practice problems.
- Providing starter code/examples in class were very helpful.
- I loved Dr.Losey's class structure. Having pre-made notes so that you can watch it before hand and then focus more on practice problems is a really good way to do a class. And he re-teaches the concept in class too for those who probably don't watch the videos. I do think the recipe for success is to watch the video before class, read the textbook and then attend class and do practice problems with him.
- Dr. Losey is the best professor I have had in my college life. The amount of dedication and preparation he exerts is beyond what a professor should do, but it really helps with the educational process. The course is well structured, all the lectures and examples are readily available and he is always willing to help. Great professor!
- His powerpoints were very clear and concise, so it was very easy to understand. I also liked how there were recorded lectures to teach the material, and he did example problems in class.
- Honestly everything, this is my second time having professor Losey and he is one of the deciding factors in me taking this class. He always presents the material extremely clearly, but if I had to pick one thing the lecture videos he provided were amazing. It gave us something to refer back to in case anything was unclear during the class sessions.
- Posted lectures online so that I could go back and rewatch lectures for a deeper understanding
- He had videos of each lecture that I could rewatch after class and see if I missed any of the material.
- NA
- - Dr. Losey had very clear and simple PowerPoints - He didn't bother with fluff and got straight to the point - His prerecorded lectures were a big help for when I got lost in class or needed a refresher while studying/doing homework - The practice sets were very informative and helped expand my grasp on the subject - Before every class, Dr. Losey would relate the topic we were learning about to the real world - He was always willing to answer questions and was very helpful in office hours - The Canvas discussion board was a big help, as it allowed students to freely ask questions and receive answers outside of class - He provided us with sample code to get started for certain problems - He ran the class very smoothly and interacted a lot with the students
- I liked that he consistently went over examples related to the class topics. He also consistently stayed after class to answer any homework questions that we were stuck on.
- Dr. Losey had a well organized class structure with lecture slides and practice problems. He also posted recorded lectures in case you missed a class. He definitely put a lot of thought and effort into the class.
- The additional recorded videos and the in class code reviews were both very helpful.
- Presented very clearly and in a way that built concepts over time neatly. All class materials are incredibly well organized and high quality.

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- Having the lecture videos be nearly identical to the in-person lectures, but not quite, further enhanced my learning when I attended lecture and subsequently watched the lecture videos. Taking time to point out the dimensions of key vectors and matrices helped me conceptualize the math a lot.
- Prof Losey's ability to break down complex concepts into digestible bits made the learning process incredibly intuitive.
- .
- The posted lecture notes helped me fill in the blanks of what I missed in-person.
- He just explained things very well.

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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%		5.52	5.19	5.13							
Disagree	(2)	0	0.00%											
Somewhat disagree	(3)	0	0.00%											
Somewhat agree	(4)	6	11.54%											
Agree	(5)	13	25.00%											
Strongly agree	(6)	33	63.46%											
					0	25	50	100	Question	College	Department			
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median			
52/60 (86.67%)	5.52	0.70	6.00	22731	5.19	1.04	5.00	2603	5.13	1.08	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)	1	1.92%		5.23	4.98	4.86							
Disagree	(2)	0	0.00%											
Somewhat disagree	(3)	2	3.85%											
Somewhat agree	(4)	8	15.38%											
Agree	(5)	13	25.00%											
Strongly agree	(6)	28	53.85%											
					0	25	50	100	Question	College	Department			
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median			
52/60 (86.67%)	5.23	1.06	6.00	22595	4.98	1.24	5.00	2590	4.86	1.30	5.00			

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4 - 4A - What could you have done to be a better learner?	
Response Rate	37/60 (61.67%)
<ul style="list-style-type: none"> • I could have taken better notes • I could have gone to office hours more • Attended more office hours. • Ask more questions. • I procrastinated a lot, which left me distracted during lecture and exhausted when doing homework. When I ran into problems with Matlab, I didn't have time to fix them before the due date and took huge hits to my grade. • I could have maybe gone to office hours more than I did. • Attended every lecture • So far this semester, I have missed a couple lectures. I could have attended them. I could have also been more inquisitive about the course material and asked questions in class. • To be a better learner, I could have been a more active listener in class and asked more questions. It also would have been helpful to complete my homework ahead of time in order to be able to go to office hours and ask questions. • Took better notes during lecture. • Read the textbook • I could have paid better attention in class • I could have started the homework earlier because by waiting until the last 48 hours to do it, I was cutting it close and sometimes submitted only an hour before the deadline. • n.a. • I could have started the homework assignments earlier, as they took a lot of time to complete. • Going to class was the best way to get a strong grasp on the material. • Study longer • Read the book more often and attend more office hours. • I could have made sure I completed the HW's at least a day before because last minute code issues can come up. • I could have been more consistent about completing the homework assignments. • I could've attended more class lectures. It honestly has nothing to do with the class, sometimes it comes down to burnout, and too much of a reliance on the videos at times. I think class is very important because you will get more information that may not be in class. • Pay more attention in class. • Started the homeworks earlier. • there was like a week period where I didn't go to class for personal reasons and I waited to the last minute to catch up with the lecture videos. I think if I had spread them out a little more the following lectures would have been easier. • Spent more time working on the assignments in this class • I could have gone to office hours. • NA • I could have started homework earlier • I could have gone to more office hour times; however having them only once a week and on a Friday sometimes conflicted and I was unable to attend. • I could have been more attentive in class. Sometimes I would get confused by a topic but I didn't make a huge effort to get help from his office hours. • Gone to office hours, prepared better for the material (HW), and should have paced my timing better. • I could have paid more attention in class. • Budget my time better. • Attended office hours • . • I could have been more active about doing more practice problems and reviewing the course material at more frequent intervals. • I could have asked more questions in class. 	

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

Dylan Patrick Losey

Response Rate	35/60 (58.33%)
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- The grading is very harsh, also it does not have fixed office hour to visit. He usually holds temporary office hour right after class but there are almost always too many people in line. I think he needs to make the homework more clear or easier or holds more office hours. Most of times, he does not give clear explanation or hints regarding homework while his grading is very harsh.
- The TA's took off points for so many things even if you got the answers right you got points off
- Sometimes the homework's felt impossible, and the grading made it difficult to feel motivated in solving the harder problems. The strictness of the grading on the homework felt very discouraging for trying problems that I was not very confident in.
- The course was a bit hard to understand. If I got a bit behind the class, it's hard to understand the future lectures.
- One thing that I think could have been better was the parity between the practice examples and the homework problems. Usually the homework questions would have an extra amount of difficulty, which is understandable since critical thinking is important, but this would sometimes come with additional facets of a problem that we never quite learned how to solve. I may just be bad at critical thinking, but to me it seemed like some of these facets were too much of a jump since I wouldn't know how to move forward with the problem. The topic discussions were very useful, and the homework solutions were helpful, but I often spent a very long time trying to find out what I could have been doing wrong without having anything to check myself against.
- good
- I sometimes felt like the homeworks were graded pretty harshly with little to no feedback on how to actually fix the problem. I could do a small thing wrong but get a lot of points off because of the grading scale.
- I think the homework should be graded a bit less rigorously to make it more about learning the content rather than assessing our knowledge of the content.
- Dr. Losey is a very good teacher. He is very knowledgeable about controls and robotics, and he is very approachable and willing to answer questions.
- Sometimes the deliverables on the homework were unclear like what the format of the answer should be
- Overall, this class has been one of my favorites at VT and have genuinely enjoyed this course.
- Great class, great teacher. Would recommend to a friend. Loved how it had us apply control theory, linear algebra, differential equations, and vibrations to close-to-real-world problems. Great way to synthesize a lot of the material we've learned these last several years.
- He was a very fair instructor and very helpful.
- I really enjoyed this course and having Dr. Losey as a professor. I often wondered if the course was easy, or if it was so well structured that the concepts naturally built onto each other so it never felt like a single huge step. Looking back at what I learned, I'd say it was the latter. Also, the recorded lectures are GOATED. It is always appreciated to have additional ways to participate in class as to not force students to come to class if they are sick, or have interviews, etc. One downside to the good videos is that I know multiple people that stopped coming to class because they just watched the recordings. It may be worthwhile to have an asynch section to open up seats for students that want to be in the classroom who otherwise maybe didn't get into the course.
- Professor Losey and great teacher.
- You are the best professor at this school
- Clearly knew the material and how to teach it well
- The homework was often very surprising compared to the in-class material. It was sometimes hard to figure out how to do the homework using only what we learned in class.
- I believe more in class examples would help the homework was overly complicated and the material on the homework was not fully covered in class. The lab section was rough, the TA's were confused sometimes and the labs lacked important instructions. The homeworks were also too long and was repetitive, there were times where we were asked to solve almost the same system three separate times and it didn't advance my learning.
- The ideas that were put forth in this class were very interesting and made me want to pursue robotics further. This course solidified that I wanted to get a masters in robotics at VT. I also started an idea for a latte art robot and joined the robotics CRO design team. I am sure that this class had an impact on all of those decisions.
- Great instructor with a strong understanding of and interest in the course material.
- Dr. Losey is a very well organized professor, and by far one of the best ones I have. I think a lot of people can attest to this. There are some things that maybe cannot be helped, such as him speaking fast, but the videos are very helpful in cases like that. I do feel like the homework sometimes can be more difficult versus what his notes or lectures say. I don't always know how to approach a problem going solely off of his notes. Also, it would be very helpful if the annotated notes were posted as well.
- N/A
- I really enjoyed this class and Professor Losey did a great job teaching the material.
- I dont really have anything else to say but thank you for a great semester
- He is a great instructor
- Sometimes the homeworks felt a little inconsistent in their length from one to the other.
- NA
- I was very happy with Dr. Losey as my professor. He made a hard class manageable and was always there to help along the way. If I could take him again, I would in a heartbeat. You can tell he cares about his students.
- I thought that overall he was a good professor, he cares about his students and you can tell that he is really passionate about the field of robotics. However, I sometimes felt that there was a disconnect between the lecture slides and practice problems and the homework leading to homeworks taking a significantly long time. I don't think I liked how he had examples broken up into different slides, it made the examples confusing to follow. I would have appreciated if examples in the slides were given a written paper outlining all of the details.
- the grading on the homework's was a little harsh and it would be nice to have problems that more align with what is on the test
- The homework tended to be graded very harshly.
- It was sometimes hard to parse what the slides were saying after they were presented in class. It would be helpful if they included more annotations of what each variable was and more explanations.
- My favorite course I have taken at VT. Fascinating subject matter with a professor who is both enthusiastic about it and engaging to watch.
- The speed at which he talked was a quite fast at times. I understand that comes with the amount of material that needs to be covered, but at the same time, it became very hard to follow along with lectures. This left me lost regularly, forcing me to have to rewatch hours of lectures at home.

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Response Rate: 52/60 (86.67%)

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%				Question		College		Department
Bad		(2)	0	0.00%				5.52	5.30	5.21		
Poor		(3)	0	0.00%								
Fair		(4)	5	9.62%								
Good		(5)	15	28.85%								
Very Good		(6)	32	61.54%								
					0	25	50	100				
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
52/60 (86.67%)	5.52	0.67	6.00	22489	5.30	0.87	5.00	2586	5.21	0.91	5.00	

7 - 7A - Please add any comments about the physical environment here:	
Response Rate	21/60 (35%)
<ul style="list-style-type: none"> • McBryde is a pretty terrible building overall • N/A the classroom itself was run well. • Everything was good. • good • None • No complaints • McBryde is an old building; the door would always slam shut. • I think the classroom in McBryde is the best one in the building. • I loved that you constantly did example problems. • normal classroom • Good size of class, not too big, not too small. • Very interactive class where Dr. Losey is interactive and asks questions and encourages student engagement. • N/A • N/a • The classroom was nice and comfortable. • NA • The environment suited the needs of the class. • McBryde is McBryde. It's neither good nor bad. • The sloped classroom was very helpful for being able to see. • . • The environment was good. Easy to see the board and hear the instructor. 	

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%				Question		College		Department
Disagree		(2)	0	0.00%				5.37	5.13	5.14		
Somewhat disagree		(3)	0	0.00%								
Somewhat agree		(4)	4	7.69%								
Agree		(5)	25	48.08%								
Strongly agree		(6)	23	44.23%								
					0	25	50	100				
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
52/60 (86.67%)	5.37	0.63	5.00	22628	5.13	1.01	5.00	2589	5.14	0.97	5.00	

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Instructor: Dylan Patrick Losey *

Response Rate: 52/60 (86.67 %)

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)	2	3.92%			4.27	4.70	4.48																							
Disagree	(2)	3	5.88%																												
Somewhat disagree	(3)	8	15.69%																												
Somewhat agree	(4)	14	27.45%																												
Agree	(5)	14	27.45%																												
Strongly agree	(6)	10	19.61%																												
<table border="1"> <thead> <tr> <th>Response Rate</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>College</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>Department</th> <th>Mean</th> <th>STD</th> <th>Median</th> </tr> </thead> <tbody> <tr> <td>51/60 (85.00%)</td> <td>4.27</td> <td>1.33</td> <td>4.00</td> <td>22524</td> <td>4.70</td> <td>1.38</td> <td>5.00</td> <td>2583</td> <td>4.48</td> <td>1.45</td> <td>5.00</td> </tr> </tbody> </table>					Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	51/60 (85.00%)	4.27	1.33	4.00	22524	4.70	1.38	5.00	2583	4.48	1.45	5.00			
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median																				
51/60 (85.00%)	4.27	1.33	4.00	22524	4.70	1.38	5.00	2583	4.48	1.45	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%			5.35	5.17	5.09																							
Disagree	(2)	0	0.00%																												
Somewhat disagree	(3)	0	0.00%																												
Somewhat agree	(4)	6	11.54%																												
Agree	(5)	22	42.31%																												
Strongly agree	(6)	24	46.15%																												
<table border="1"> <thead> <tr> <th>Response Rate</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>College</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>Department</th> <th>Mean</th> <th>STD</th> <th>Median</th> </tr> </thead> <tbody> <tr> <td>52/60 (86.67%)</td> <td>5.35</td> <td>0.68</td> <td>5.00</td> <td>22588</td> <td>5.17</td> <td>1.06</td> <td>5.00</td> <td>2592</td> <td>5.09</td> <td>1.09</td> <td>5.00</td> </tr> </tbody> </table>					Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	52/60 (86.67%)	5.35	0.68	5.00	22588	5.17	1.06	5.00	2592	5.09	1.09	5.00			
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median																				
52/60 (86.67%)	5.35	0.68	5.00	22588	5.17	1.06	5.00	2592	5.09	1.09	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%			5.25	5.11	5.02																							
Disagree	(2)	0	0.00%																												
Somewhat disagree	(3)	2	3.92%																												
Somewhat agree	(4)	8	15.69%																												
Agree	(5)	16	31.37%																												
Strongly agree	(6)	25	49.02%																												
<table border="1"> <thead> <tr> <th>Response Rate</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>College</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>Department</th> <th>Mean</th> <th>STD</th> <th>Median</th> </tr> </thead> <tbody> <tr> <td>51/60 (85.00%)</td> <td>5.25</td> <td>0.87</td> <td>5.00</td> <td>22393</td> <td>5.11</td> <td>1.11</td> <td>5.00</td> <td>2564</td> <td>5.02</td> <td>1.15</td> <td>5.00</td> </tr> </tbody> </table>					Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	51/60 (85.00%)	5.25	0.87	5.00	22393	5.11	1.11	5.00	2564	5.02	1.15	5.00			
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median																				
51/60 (85.00%)	5.25	0.87	5.00	22393	5.11	1.11	5.00	2564	5.02	1.15	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%			5.71	5.31	5.29																							
Disagree	(2)	0	0.00%																												
Somewhat disagree	(3)	0	0.00%																												
Somewhat agree	(4)	2	3.85%																												
Agree	(5)	11	21.15%																												
Strongly agree	(6)	39	75.00%																												
<table border="1"> <thead> <tr> <th>Response Rate</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>College</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>Department</th> <th>Mean</th> <th>STD</th> <th>Median</th> </tr> </thead> <tbody> <tr> <td>52/60 (86.67%)</td> <td>5.71</td> <td>0.54</td> <td>6.00</td> <td>24062</td> <td>5.31</td> <td>0.97</td> <td>6.00</td> <td>2581</td> <td>5.29</td> <td>0.99</td> <td>6.00</td> </tr> </tbody> </table>					Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	52/60 (86.67%)	5.71	0.54	6.00	24062	5.31	0.97	6.00	2581	5.29	0.99	6.00			
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median																				
52/60 (86.67%)	5.71	0.54	6.00	24062	5.31	0.97	6.00	2581	5.29	0.99	6.00																				

Virginia Tech
 Fall 2024 VT Student Perceptions of Teaching (SPOT)

Course: ME_4524_87352_202409: Robotics & Automation-ME_4524_87352_202409
 Instructor: Dylan Patrick Losey *
 Response Rate: 52/60 (86.67%)

10 - At the end of this course, how do I rate my ability to:
 Determine the number of degrees of a robotic system

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Poor	(1)	0	0.00%			3.63	3.63	3.63			
Fair	(2)	3	5.77%								
Good	(3)	13	25.00%	■							
Excellent	(4)	36	69.23%	■							
N/A	(0)	0	0.00%								
0 25 50 100					Question	College	Department				
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
52/60 (86.67%)	3.63	0.60	4.00	52	3.63	0.60	4.00	52	3.63	0.60	4.00

10 - At the end of this course, how do I rate my ability to:
 Describe and sketch the common manipulator configurations

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Poor	(1)	2	3.92%			3.37	3.37	3.37			
Fair	(2)	4	7.84%								
Good	(3)	18	35.29%	■							
Excellent	(4)	27	52.94%	■							
N/A	(0)	0	0.00%								
0 25 50 100					Question	College	Department				
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
51/60 (85.00%)	3.37	0.80	4.00	51	3.37	0.80	4.00	51	3.37	0.80	4.00

10 - At the end of this course, how do I rate my ability to:
 Use the rotation and transform matrices to describe link positions and orientations

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Poor	(1)	0	0.00%			3.67	3.67	3.67			
Fair	(2)	1	1.92%								
Good	(3)	15	28.85%	■							
Excellent	(4)	36	69.23%	■							
N/A	(0)	0	0.00%								
0 25 50 100					Question	College	Department				
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
52/60 (86.67%)	3.67	0.51	4.00	52	3.67	0.51	4.00	52	3.67	0.51	4.00

10 - At the end of this course, how do I rate my ability to:
 Solve the forward kinematics of any serial manipulator

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Poor	(1)	0	0.00%			3.69	3.69	3.69			
Fair	(2)	2	3.85%								
Good	(3)	12	23.08%	■							
Excellent	(4)	38	73.08%	■							
N/A	(0)	0	0.00%								
0 25 50 100					Question	College	Department				
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
52/60 (86.67%)	3.69	0.54	4.00	52	3.69	0.54	4.00	52	3.69	0.54	4.00

Virginia Tech
 Fall 2024 VT Student Perceptions of Teaching (SPOT)

Course: ME_4524_87352_202409: Robotics & Automation-ME_4524_87352_202409
 Instructor: Dylan Patrick Losey *
 Response Rate: 52/60 (86.67%)

10 - At the end of this course, how do I rate my ability to:
 Set up the inverse kinematic equations for any serial manipulator

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Poor	(1)	1	1.92%								
Fair	(2)	8	15.38%	█							
Good	(3)	16	30.77%	██							
Excellent	(4)	27	51.92%	████							
N/A	(0)	0	0.00%								
0 25 50 100					Question	College	Department				
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
52/60 (86.67%)	3.33	0.81	4.00	52	3.33	0.81	4.00	52	3.33	0.81	4.00

10 - At the end of this course, how do I rate my ability to:
 Perform velocity and force analysis for any serial manipulator

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Poor	(1)	0	0.00%								
Fair	(2)	10	19.23%	█							
Good	(3)	18	34.62%	██							
Excellent	(4)	24	46.15%	████							
N/A	(0)	0	0.00%								
0 25 50 100					Question	College	Department				
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
52/60 (86.67%)	3.27	0.77	3.00	52	3.27	0.77	3.00	52	3.27	0.77	3.00

10 - At the end of this course, how do I rate my ability to:
 Determine singular configurations for common manipulators

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Poor	(1)	3	5.77%	█							
Fair	(2)	9	17.31%	██							
Good	(3)	22	42.31%	████							
Excellent	(4)	18	34.62%	████							
N/A	(0)	0	0.00%								
0 25 50 100					Question	College	Department				
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
52/60 (86.67%)	3.06	0.87	3.00	52	3.06	0.87	3.00	52	3.06	0.87	3.00

10 - At the end of this course, how do I rate my ability to:
 Generate trajectory plans for robot motion

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Poor	(1)	1	1.92%								
Fair	(2)	12	23.08%	██							
Good	(3)	24	46.15%	████							
Excellent	(4)	15	28.85%	████							
N/A	(0)	0	0.00%								
0 25 50 100					Question	College	Department				
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
52/60 (86.67%)	3.02	0.78	3.00	52	3.02	0.78	3.00	52	3.02	0.78	3.00

Fall 2024 VT Student Perceptions of Teaching (SPOT)

Course: ME_4524_87352_202409: Robotics & Automation-ME_4524_87352_202409

Instructor: Dylan Patrick Losey *

Response Rate: 52/60 (86.67%)

10 - At the end of this course, how do I rate my ability to:												
Describe the operation of various types of motors and sensors												
Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Poor	(1)	2	3.85%		3.14							
Fair	(2)	10	19.23%		3.14							
Good	(3)	18	34.62%		3.14							
Excellent	(4)	21	40.38%									
N/A	(0)	1	1.92%									
				0	25	50	100	Question	College	Department		
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
52/60 (86.67%)	3.14	0.87	3.00	52	3.14	0.87	3.00	52	3.14	0.87	3.00	