

# Virginia Tech

## Fall 2018 VT Student Perceptions of Teaching (SPOT)

**Course:** ENGE\_1215\_83844\_201809: (83844) Foundations of Engineering-ENGE\_1215\_89627\_201809  
**Instructor:** David Todd Gray \*  
**Response Rate:** 28/34 (82.35 %)

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

**1A - The instructor was well prepared.**

David Todd Gray

Response Option		Weight	Frequency	Percent	Percent Responses	Means										
Strongly disagree		(1)	1	3.57%												
Disagree		(2)	0	0.00%												
Somewhat disagree		(3)	0	0.00%												
Somewhat agree		(4)	1	3.57%												
Agree		(5)	6	21.43%												
Strongly agree		(6)	20	71.43%												
					0	25	50	100	Question		College		Department			
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median		
28/34 (82.35%)		5.54	1.04	6.00	23649		5.19	1.09	5.00	1945		5.23	1.04	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.**

David Todd Gray

Response Option		Weight	Frequency	Percent	Percent Responses	Means							
Strongly disagree		(1)	1	3.57%									
Disagree		(2)	0	0.00%									
Somewhat disagree		(3)	0	0.00%									
Somewhat agree		(4)	4	14.29%									
Agree		(5)	5	17.86%									
Strongly agree		(6)	18	64.29%									
					0	25	50	100	Question	College	Department		
Response Rate		Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
28/34 (82.35%)		5.36	1.13	6.00	23500	4.94	1.28	5.00	1931	4.89	1.30	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.**

David Todd Gray

Response Option		Weight	Frequency	Percent	Percent Responses	Means										
Strongly disagree		(1)	1	3.57%												
Disagree		(2)	0	0.00%												
Somewhat disagree		(3)	0	0.00%												
Somewhat agree		(4)	1	3.57%												
Agree		(5)	9	32.14%												
Strongly agree		(6)	17	60.71%												
					0	25	50	100	Question		College		Department			
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median		
28/34 (82.35%)		5.43	1.03	6.00	23532		4.87	1.31	5.00	1930		4.98	1.26	5.00		

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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.

David Todd Gray

Response Option		Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree		(1)	1	3.70%										
Disagree		(2)	0	0.00%										
Somewhat disagree		(3)	0	0.00%										
Somewhat agree		(4)	0	0.00%										
Agree		(5)	6	22.22%										
Strongly agree		(6)	20	74.07%										
					0	25	50	100	Question	College		Department		
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median
27/34 (79.41%)		5.59	1.01	6.00	23510		5.25	1.11	6.00	1929		5.35	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.

David Todd Gray

Response Option		Weight	Frequency	Percent	Percent Responses	Means													
Strongly disagree		(1)	1	3.57%															
Disagree		(2)	0	0.00%															
Somewhat disagree		(3)	0	0.00%															
Somewhat agree		(4)	2	7.14%															
Agree		(5)	4	14.29%															
Strongly agree		(6)	21	75.00%															
02550100												Question		College		Department			
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median					
28/34 (82.35%)		5.54	1.07	6.00	23371		4.91	1.32	5.00	1919		4.90	1.32	5.00					

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**Response Rate:** 28/34 (82.35 %)

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



David Todd Gray

**Response Rate** 22/34 (64.71%)

- Willing to help and give feedback.
- I really liked how you would explain every assignment in detail so that it would be clear to the class what was expected. I also liked how you related every lesson to toast. It gave a nice unity point in the whole class.
- He makes every class interesting and engaging by making jokes and relating the lesson to everyday life.
- He tried to make the class interesting and pace between hands-on and lecture activities.
- The best guy, honestly super excited for engineering because of him, his attitude and remarks are always great
- He created a relationship with the class and was funny and kept us engaged.
- The instructor assigned projects that related the real-world scenarios, while also making them interesting and fun.
- Created an engaging and fun learning environment.
- He was engaging and tried to have some fun while teaching. This kept the class engaged.
- He made the class interesting and engaging.
- The instructor had great explanations to make some concepts easier to understand.
- made class somewhat humorous and is logical in grading/expectations
- added fun activities to make lectures interesting
- he incorporated real life situations and ideas that were being developed that directly related to the work we were doing in class.
- He made the class engaging and entertaining.
- Gave examples of real-world applications
- I like how he came from industry and I really respect that he moved on to teaching after. This provides him with a very practical point of view for what he teaches us and often it gives him the ability to give real life scenarios for his topics. He also has a great sense of humor that makes class very enjoyable and easy to pay attention to. He is also always very helpful when help is needed.
- The instructor went over material that was later assigned on homework which was very helpful. Some of my friends had an instructor that did not do this and they were not as well prepared to complete online homework assignments and projects involving the skills learned.
- Gave real world examples.
- Dr. Gray is always willing to assist and he displays useful information and visuals that apply to each subject. Dr. Gray also did a great job of relating our topic to real world problems.
- He made an effort to incorporate humor into his teaching style
- He walked around while we were working in class and helped us if we were stuck and asked us questions to make sure we were understanding what we were doing.

### 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%										
Disagree		(2)	0	0.00%										
Somewhat disagree		(3)	0	0.00%										
Somewhat agree		(4)	3	10.71%										
Agree		(5)	8	28.57%										
Strongly agree		(6)	17	60.71%										
					02550100	Question		College		Department				
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median
28/34 (82.35%)		5.50	0.69	6.00	18189		5.02	1.17	5.00	1902		4.88	1.21	5.00

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**Response Rate:** 28/34 (82.35 %)

### 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%		5.43		4.73	4.65						
Disagree		(2)	0	0.00%											
Somewhat disagree		(3)	0	0.00%											
Somewhat agree		(4)	3	10.71%											
Agree		(5)	10	35.71%											
Strongly agree		(6)	15	53.57%											
					0	25	50	100	Question		College		Department		
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median	
28/34 (82.35%)		5.43	0.69	6.00	18124		4.73	1.40	5.00	1895		4.65	1.37	5.00	

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

**Response Rate** 20/34 (58.82%)

- Started working on assignments earlier, in order to ask questions earlier on.
- I could have completed the assignments in a more organized manner. Group communication could have been better
- I could have procrastinated less.
- I could have worked better with the teams I was assigned the first time they were assigned.
- spent more time on assignemnts
- Study more
- Pay attention more in class.
- Worked on my matlab syntax more outside of class.
- Payed better attention.
- I could have briefed on the topics as soon as possible and distributed my workload more evenly throughout the week.
- participated more in class discussions
- I was a good learner.
- done more research about the topics we learned about
- Pay more attention in class.
- Think more seriously about the Grand Challenges of Engineering
- Go for more office hours.
- I could have been better about doing all of the simple assignments. I never wrote them down so I would forget that I have assignments due. This significantly hurt my grade.
- Work harder to learn Matlab.
- I could have paid more attention and taken better notes during class lectures.
- Be more of an active learner and ask my group members why they are doing what they are doing on group assignments.

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

**David Todd Gray**

**Response Rate** 11/34 (32.35%)

- N/A
- Very good instructor
- Really enjoyed the class and cannot wait until next semester
- By far my favorite professor. Very upset that I didn't get him for ENGE 1216 next semester.
- I thought the coursework was good, but wondered how somethings would apply to engineering later in life.
- Great sense of humor and knows what he's talking about
- Great teacher.
- n/a
- I am really distraught at the fact that I was not be able to get him as my instructor for next semesters class.
- Love the sense of humor, it really helped me keep my focus and stay engaged.
- I enjoyed Dr. Gray's class style. He mixed up lectures with activates well and made connections to the real world with an "engineeringness" discussion at the end of every class. He also brought a comedy aspect to the course with so many different activates using toast.

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**Response Rate:** 28/34 (82.35 %)

### 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%		5.50	5.09	5.20				
Bad	(2)	0	0.00%								
Poor	(3)	0	0.00%								
Fair	(4)	3	10.71%								
Good	(5)	8	28.57%								
Very Good	(6)	17	60.71%								
				0 25 50 100	Question	College	Department				
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
28/34 (82.35%)	5.50	0.69	6.00	18054	5.09	0.99	5.00	1899	5.20	0.86	5.00

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

**Response Rate** 11/34 (32.35%)

- N/A
- Sometimes the class gets excessively hot.
- Very helpful and we could voice our opinions/ideas and not be judged.
- Everything seemed well planned out and properly demonstrated.
- some of the chairs were stationary and some were roly chairs, please make them all one or the other
- Good environment.
- n/a
- Everyone respected each other.
- It was average. Never at an uncomfortable temperature and little to no background noise
- The rolling tables were endlessly annoying
- I had no issues with the physical environment.

### 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%		5.50	4.94	4.94				
Disagree	(2)	0	0.00%								
Somewhat disagree	(3)	1	3.57%								
Somewhat agree	(4)	1	3.57%								
Agree	(5)	9	32.14%								
Strongly agree	(6)	17	60.71%								
				0 25 50 100	Question	College	Department				
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
28/34 (82.35%)	5.50	0.75	6.00	18142	4.94	1.13	5.00	1899	4.94	1.10	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)	3	10.71%		4.14	4.39	4.01				
Disagree	(2)	2	7.14%								
Somewhat disagree	(3)	4	14.29%								
Somewhat agree	(4)	6	21.43%								
Agree	(5)	5	17.86%								
Strongly agree	(6)	8	28.57%								
				0 25 50 100	Question	College	Department				
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
28/34 (82.35%)	4.14	1.67	4.00	18001	4.39	1.51	5.00	1875	4.01	1.59	4.00

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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%			5.14	4.99	4.82			
Disagree	(2)	1	3.57%								
Somewhat disagree	(3)	0	0.00%								
Somewhat agree	(4)	7	25.00%								
Agree	(5)	6	21.43%								
Strongly agree	(6)	14	50.00%								
					0 25 50 100	Question	College	Department			
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
28/34 (82.35%)	5.14	1.04	5.50	18111	4.99	1.17	5.00	1896	4.82	1.27	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%			5.48	4.93	4.67			
Disagree	(2)	0	0.00%								
Somewhat disagree	(3)	0	0.00%								
Somewhat agree	(4)	2	7.41%								
Agree	(5)	10	37.04%								
Strongly agree	(6)	15	55.56%								
					0 25 50 100	Question	College	Department			
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
27/34 (79.41%)	5.48	0.64	6.00	17979	4.93	1.24	5.00	1881	4.67	1.31	5.00

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

David Todd Gray

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Strongly disagree	(1)	0	0.00%			5.82	5.14	5.20			
Disagree	(2)	0	0.00%								
Somewhat disagree	(3)	0	0.00%								
Somewhat agree	(4)	0	0.00%								
Agree	(5)	5	17.86%								
Strongly agree	(6)	23	82.14%								
					0 25 50 100	Question	College	Department			
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
28/34 (82.35%)	5.82	0.39	6.00	23066	5.14	1.10	5.00	1935	5.20	1.02	5.00