

# Virginia Tech

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

**Course:** ENGE\_1215\_83844\_201809: (83844) Foundations of Engineering-ENGE\_1215\_83844\_201809  
**Instructor:** David Todd Gray \*  
**Response Rate:** 28/33 (84.85 %)

**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)	0	0.00%			5.00		5.19		5.23			
Disagree		(2)	1	3.70%										
Somewhat disagree		(3)	2	7.41%										
Somewhat agree		(4)	2	7.41%										
Agree		(5)	13	48.15%										
Strongly agree		(6)	9	33.33%										
					0	25	50	100	Question		College		Department	
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median
27/33 (81.82%)		5.00	1.04	5.00	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)	0	0.00%									
Disagree		(2)	1	3.70%									
Somewhat disagree		(3)	2	7.41%									
Somewhat agree		(4)	2	7.41%									
Agree		(5)	14	51.85%									
Strongly agree		(6)	8	29.63%									
					0	25	50	100	Question	College	Department		
Response Rate		Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
27/33 (81.82%)		4.96	1.02	5.00	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)	0	0.00%			5.08		4.87		4.98					
Disagree		(2)	1	3.85%												
Somewhat disagree		(3)	1	3.85%												
Somewhat agree		(4)	3	11.54%												
Agree		(5)	11	42.31%												
Strongly agree		(6)	10	38.46%												
					0	25	50	100	Question		College		Department			
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median		
26/33 (78.79%)		5.08	1.02	5.00	23532		4.87	1.31	5.00	1930		4.98	1.26	5.00		

Virginia Tech  
Fall 2018 VT Student Perceptions of Teaching (SPOT)

**Course:** ENGE\_1215\_83844\_201809: (83844) Foundations of Engineering-ENGE\_1215\_83844\_201809  
**Instructor:** David Todd Gray \*  
**Response Rate:** 28/33 (84.85 %)

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)	0	0.00%			5.50	5.25	5.35			
Disagree	(2)	1	3.85%								
Somewhat disagree	(3)	0	0.00%								
Somewhat agree	(4)	0	0.00%								
Agree	(5)	9	34.62%								
Strongly agree	(6)	16	61.54%								
					0	25	50	100	Question	College	Department
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
26/33 (78.79%)	5.50	0.86	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)	0	0.00%			5.08	4.91	4.90			
Disagree	(2)	2	7.69%								
Somewhat disagree	(3)	0	0.00%								
Somewhat agree	(4)	2	7.69%								
Agree	(5)	12	46.15%								
Strongly agree	(6)	10	38.46%								
					0	25	50	100	Question	College	Department
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
26/33 (78.79%)	5.08	1.09	5.00	23371	4.91	1.32	5.00	1919	4.90	1.32	5.00

# Virginia Tech

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

**Course:** ENGE\_1215\_83844\_201809: (83844) Foundations of Engineering-ENGE\_1215\_83844\_201809  
**Instructor:** David Todd Gray \*  
**Response Rate:** 28/33 (84.85 %)

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

**David Todd Gray**

**Response Rate** 22/33 (66.67%)

- kept the class interesting
- I liked the engineeringness and practical examples.
- He was creative with how he presented material and was an engaging speaker
- A lot of toast talk (if you have/had him, you'll understand). But he's pretty good at explaining what certain definitions of engineering are.
- He had a lot of in-class activities and group work assignments that helped us grow in our teamwork abilities as well as learn about the different types of engineering.
- He was very interactive and interesting which made the content easier to comprehend.
- teach me how to analyze an article
- Related what we were learning to real life
- Created in class examples for certain topics that we participated in.
- Provided excellent examples and visuals to learn from
- Professor Gray would include alot of visual aid and draw diagrams on the white board so that students would understand the material more clearly.
- The most helpful thing that my instructor did that helped my learning was to answer all questions I had on course material fully.
- He was very humorous and always willing to help
- Offered individualized assistance sometimes during class and during office hours.
- He explained topics and lessons in plain English so that it was easy for us to understand.
- He ran through examples of MATLAB problems and went over the actual Homework problems afterward so if there was any confusion, it was addressed.
- He does not make the class too serious.
- Dr. Gray would always go over assignments after we turned them in to make sure we understood everything and was always very accessible for questions.
- He made the content of the course interesting, and each class was fun to be in.
- Professor would make a lot of analogies between engineering and things you may not necessarily associate with engineering. All semester he had this toast analogy that led to participation in activities, critical thinking, and lots of laughing. But in the end, he would relate it all back to engineering and how various engineering disciplines are needed to actually produce toast and how when coding, you can't assume anything and you have to tell MATLAB exactly what you want it to do. All his analogies would always tie in really well and this definitely helped me to better understand the concept of engineering!
- Very fun class
- He was good at providing effective feedback.

### 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></div><div></div><div></div><div></div></div>	<div><div>4.81</div><div>5.02</div><div>4.88</div></div>								
Disagree		(2)	3	11.54%										
Somewhat disagree		(3)	0	0.00%										
Somewhat agree		(4)	5	19.23%										
Agree		(5)	9	34.62%										
Strongly agree		(6)	9	34.62%										
					0	25	50	100	Question	College		Department		
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median
26/33 (78.79%)		4.81	1.27	5.00	18189		5.02	1.17	5.00	1902		4.88	1.21	5.00

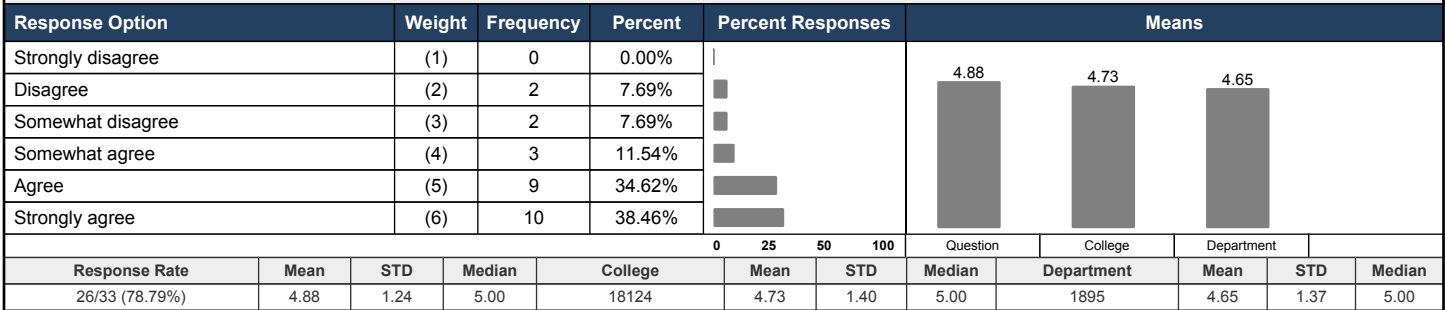
# Virginia Tech

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

**Course:** ENGE\_1215\_83844\_201809: (83844) Foundations of Engineering-ENGE\_1215\_83844\_201809  
**Instructor:** David Todd Gray \*  
**Response Rate:** 28/33 (84.85 %)

### 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.



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

**Response Rate** 22/33 (66.67%)

- none
- I could have asked more questions about assignments
- Get a good night sleep for the rough 8AM class
- I could have started my MatLab assignments earlier so that I could ask the teacher any questions I had. I could also have taken more effort to learn how to use MatLab properly so that I won't need to ask as many questions in the future.
- n/a
- write more essay
- I could have attended office hours more to be a better learner.
- N/A
- practice more
- Gone to class everytime
- I could have done the practice matlab
- been more attentive
- I could've been more proactive in turning in matlab assignments so that if I encountered any last minute problems I could email him or contact him well in advanced.
- To be a better learner I could have gotten to class earlier every day and I could have gone back over everything we did in class after each class.
- Not procrastinate in favor of doing work from my other classes?
- I missed a couple classes that caused me to miss some material. So I wish that I would have attended all the classes.
- I have become a better learner by being able to work as a group.
- Change a different class and instructor.
- Been more engaged in class
- I could've started projects earlier.
- For the group projects, worked on communication skills. I was always in a group with member that did not pull their weight and if I had communicated better I would have gained a better skill set.
- I could have procrastinated less.

# Virginia Tech

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

**Course:** ENGE\_1215\_83844\_201809: (83844) Foundations of Engineering-ENGE\_1215\_83844\_201809  
**Instructor:** David Todd Gray \*  
**Response Rate:** 28/33 (84.85 %)

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

**David Todd Gray**

**Response Rate** 13/33 (39.39%)

- none
- I know it's early but have some pep in you voice!
- he can offer more visual materials in classes
- I really enjoyed having Dr. Gray as a teacher, he really tried to make each class interesting and enjoyable.
- N/A
- funny and friendly
- n/a
- This course was challenging and interesting and taught me about different types of engineering.
- Good teacher.
- I do not think I understand the objective of this course.
- Excellent teacher
- He's a really good teacher, like really good
- For a lot of the assignments, the instructions were very vague. I don't know if that was intentional by the department so that we would critically think and in a way design our own projects, but I know personally I struggled not knowing exactly was wanted of us for projects. Professor Gray is hilarious and his powerpoint slide presentations always make me smile. I'm so glad I had him as my ENGE 1215 instructor! He's amazing and made getting up at 8:00am worth it.

### 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%			5.26	5.09	5.20			
Bad	(2)	0	0.00%								
Poor	(3)	0	0.00%								
Fair	(4)	2	7.41%								
Good	(5)	16	59.26%								
Very Good	(6)	9	33.33%								
					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>
27/33 (81.82%)	5.26	0.59	5.00	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** 10/33 (30.3%)

- none
- good but hot, which let students sleepy
- The classroom was hard to see sometimes because some of the seats are positioned that your back is to the board. However, the presentations were easy to see and understand.
- N/A
- Boring he mostly just read of power points
- Not crowded at all, tables provided ample space to work.
- Everything in the physical environmnt worked well.
- Everyone got along and professor was respectful.
- The physical environment is not bad.
- The classroom was fine. I liked how there were projectors on both sides of the classrooms, so there was never a problem seeing.

# Virginia Tech

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

**Course:** ENGE\_1215\_83844\_201809: (83844) Foundations of Engineering-ENGE\_1215\_83844\_201809  
**Instructor:** David Todd Gray \*  
**Response Rate:** 28/33 (84.85 %)

### 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%		4.93	4.94	4.94		Question	College	Department		
Disagree		(2)	2	7.41%										
Somewhat disagree		(3)	0	0.00%										
Somewhat agree		(4)	3	11.11%										
Agree		(5)	15	55.56%										
Strongly agree		(6)	7	25.93%										
					0	25	50	100						
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median
27/33 (81.82%)		4.93	1.04	5.00	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)	2	7.69%												
Disagree		(2)	3	11.54%												
Somewhat disagree		(3)	2	7.69%												
Somewhat agree		(4)	7	26.92%												
Agree		(5)	8	30.77%												
Strongly agree		(6)	4	15.38%												
					0	25	50	100	Question		College		Department			
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median		
26/33 (78.79%)		4.08	1.49	4.00	18001		4.39	1.51	5.00	1875		4.01	1.59	4.00		

### 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%		4.93	4.99	4.82		Question	College	Department		
Disagree		(2)	0	0.00%										
Somewhat disagree		(3)	3	11.11%										
Somewhat agree		(4)	6	22.22%										
Agree		(5)	8	29.63%										
Strongly agree		(6)	10	37.04%										
					0	25	50	100						
Response Rate		Mean	STD	Median	College		Mean	STD	Median	Department		Mean	STD	Median
27/33 (81.82%)		4.93	1.04	5.00	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%													
Disagree				(2)	0	0.00%													
Somewhat disagree				(3)	2	7.41%													
Somewhat agree				(4)	7	25.93%													
Agree				(5)	12	44.44%													
Strongly agree				(6)	6	22.22%													
								0	25	50	100	Question		College		Department			
Response Rate		Mean	STD	Median	College			Mean	STD	Median	Department		Mean	STD	Median				
27/33 (81.82%)		4.81	0.88	5.00	17979			4.93	1.24	5.00	1881		4.67	1.31	5.00				

Virginia Tech

Fall 2018 VT Student Perceptions of Teaching (SPOT)

Course:

ENGE\_1215\_83844\_201809: (83844) Foundations of Engineering-ENGE\_1215\_83844\_201809

Instructor:

David Todd Gray \*

Response Rate:

28/33 (84.85 %)

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%	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div>5.30</div><div></div></div>	<div><div>5.14</div><div></div></div>	<div><div>5.20</div><div></div></div>				
Disagree		(2)	0	0.00%								
Somewhat disagree		(3)	2	7.41%								
Somewhat agree		(4)	2	7.41%								
Agree		(5)	9	33.33%								
Strongly agree		(6)	14	51.85%								
					02550100	Question	College	Department				
Response Rate		Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
27/33 (81.82%)		5.30	0.91	6.00	23066	5.14	1.10	5.00	1935	5.20	1.02	5.00