

Virginia Tech


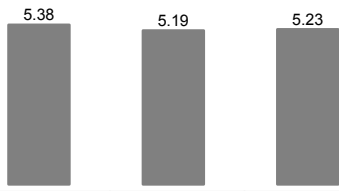
Fall 2018 VT Student Perceptions of Teaching (SPOT)

Course: ENGE_1215_83844_201809: (83844) Foundations of Engineering-ENGE_1215_89620_201809
Instructor: David Todd Gray *
Response Rate: 29/33 (87.88 %)

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

1A - The instructor was well prepared.


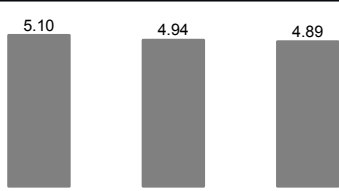
David Todd Gray

| Response Option | | Weight | Frequency | Percent | Percent Responses | Means | | | | | | | | | |
|-------------------|--|--------|-----------|---------|---|---|------|------|----------|------------|---------|------|------------|--------|--|
| Strongly disagree | | (1) | 0 | 0.00% |  |  | | | | | | | | | |
| Disagree | | (2) | 0 | 0.00% | | | | | | | | | | | |
| Somewhat disagree | | (3) | 1 | 3.45% | | | | | | | | | | | |
| Somewhat agree | | (4) | 3 | 10.34% | | | | | | | | | | | |
| Agree | | (5) | 9 | 31.03% | | | | | | | | | | | |
| Strongly agree | | (6) | 16 | 55.17% | | | | | | | | | | | |
| | | | | | 0 | 25 | 50 | 100 | Question | | College | | Department | | |
| Response Rate | | Mean | STD | Median | College | | Mean | STD | Median | Department | | Mean | STD | Median | |
| 29/33 (87.88%) | | 5.38 | 0.82 | 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.


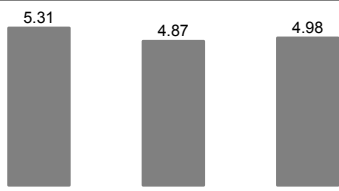
David Todd Gray

| Response Option | | Weight | Frequency | Percent | Percent Responses | Means | | | | | | | | | | |
|-------------------|--|--------|-----------|---------|--|--|------|------|----------|------------|---------|------|------------|--------|--|--|
| Strongly disagree | | (1) | 0 | 0.00% |  |  | | | | | | | | | | |
| Disagree | | (2) | 0 | 0.00% | | | | | | | | | | | | |
| Somewhat disagree | | (3) | 2 | 6.90% | | | | | | | | | | | | |
| Somewhat agree | | (4) | 6 | 20.69% | | | | | | | | | | | | |
| Agree | | (5) | 8 | 27.59% | | | | | | | | | | | | |
| Strongly agree | | (6) | 13 | 44.83% | | | | | | | | | | | | |
| | | | | | 0 | 25 | 50 | 100 | Question | | College | | Department | | | |
| Response Rate | | Mean | STD | Median | College | | Mean | STD | Median | Department | | Mean | STD | Median | | |
| 29/33 (87.88%) | | 5.10 | 0.98 | 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% |  |  | | | | | | | | |
| Disagree | | (2) | 0 | 0.00% | | | | | | | | | | |
| Somewhat disagree | | (3) | 0 | 0.00% | | | | | | | | | | |
| Somewhat agree | | (4) | 8 | 27.59% | | | | | | | | | | |
| Agree | | (5) | 4 | 13.79% | | | | | | | | | | |
| Strongly agree | | (6) | 17 | 58.62% | | | | | | | | | | |
| | | | | | 0 | 25 | 50 | 100 | Question | College | Department | | | |
| Response Rate | | Mean | STD | Median | College | | Mean | STD | Median | Department | | Mean | STD | Median |
| 29/33 (87.88%) | | 5.31 | 0.89 | 6.00 | 23532 | | 4.87 | 1.31 | 5.00 | 1930 | | 4.98 | 1.26 | 5.00 |

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Course: ENGE_1215_83844_201809: (83844) Foundations of Engineering-ENGE_1215_89620_201809
Instructor: David Todd Gray *
Response Rate: 29/33 (87.88 %)

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% | | | | | | | | | | | | |
| Disagree | | (2) | 0 | 0.00% | | | | | | | | | | | | |
| Somewhat disagree | | (3) | 1 | 3.45% | | | | | | | | | | | | |
| Somewhat agree | | (4) | 2 | 6.90% | | | | | | | | | | | | |
| Agree | | (5) | 8 | 27.59% | | | | | | | | | | | | |
| Strongly agree | | (6) | 18 | 62.07% | | | | | | | | | | | | |
| | | | | | 0 | 25 | 50 | 100 | Question | | College | | Department | | | |
| Response Rate | | Mean | STD | Median | College | | Mean | STD | Median | Department | | Mean | STD | Median | | |
| 29/33 (87.88%) | | 5.48 | 0.78 | 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% | | | | | | | | | |
| Disagree | | (2) | 1 | 3.45% | | | | | | | | | |
| Somewhat disagree | | (3) | 0 | 0.00% | | | | | | | | | |
| Somewhat agree | | (4) | 7 | 24.14% | | | | | | | | | |
| Agree | | (5) | 6 | 20.69% | | | | | | | | | |
| Strongly agree | | (6) | 15 | 51.72% | | | | | | | | | |
| | | | | | 0 | 25 | 50 | 100 | Question | College | Department | | |
| Response Rate | | Mean | STD | Median | College | Mean | STD | Median | Department | Mean | STD | Median | |
| 29/33 (87.88%) | | 5.17 | 1.04 | 6.00 | 23371 | 4.91 | 1.32 | 5.00 | 1919 | 4.90 | 1.32 | 5.00 | |

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Response Rate: 29/33 (87.88 %)

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

David Todd Gray

Response Rate 25/33 (75.76%)

- Made the classes fun to go to.
- He engaged us with toast related activities.
- Use real world examples to explain more complicated topics.
- The dry humor that Doctor Gray uses attracts the students and makes them more attentive. Through this attentiveness I was able to focus more and learn better in his class.
- Was friendly and inviting of questions that helped us better understand the class material
- Made the projects interesting and lecture fun to be there for.
- Lectured well
- He explains your personal questions very well.
- Dr. Gray presented information in a way which was engaging and easy to understand.
- Clearly defined rubrics that were followed; this allowed me to know exactly how to get the grade I wanted on most of my assignments. For some assignments, the rubric was not as clear, but still helped.
- He presented the information in a manor that was easy to understand and follow. He was genuinely interested in the information and helping students
- Kindly teaching.
- He demonstrated passion, commitment, and humor.
- Teach the class. There wasn't much in particular otherwise. He came around on occasion for team/individual feedback which was pretty helpful.
- Interesting lessons
- He provided a helpful and attention grabbing learning environment that always kept the students engaged.
- He made the lectures enjoyable to listen and watch.
- He helped us all understand the assignments better than the explanation provided by the department.
- He made it clear that he was not out to get the class and told us anything we might want to know for any specific assignment.
- Came prepared to teach everyday, was very approachable, could make things (like Toast) connect to the engineering field. He made class fun and interesting which helped me learn a lot. He also provides useful feedback and wants to help us succeed.
- Thinking as an engineer
- Made class fun, and not just about grades and assignments; he wanted us to actually learn something
- preparedness for class, his desire for the students to succeed
- He presented information in an interesting way and related engineering concepts to real-world applications, even some from his own experiences as an engineer!
- He related engineering to "normal" things in today's world

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% | | 5.21 | 5.02 | 4.88 | Question | College | Department | |
| Disagree | (2) | 0 | 0.00% | | | | | | | | |
| Somewhat disagree | (3) | 1 | 3.45% | | | | | | | | |
| Somewhat agree | (4) | 6 | 20.69% | | | | | | | | |
| Agree | (5) | 8 | 27.59% | | | | | | | | |
| Strongly agree | (6) | 14 | 48.28% | | | | | | | | |
| | | | | 0 25 50 100 | Question | College | Department | | | | |
| Response Rate | Mean | STD | Median | College | Mean | STD | Median | Department | Mean | STD | Median |
| 29/33 (87.88%) | 5.21 | 0.90 | 5.00 | 18189 | 5.02 | 1.17 | 5.00 | 1902 | 4.88 | 1.21 | 5.00 |

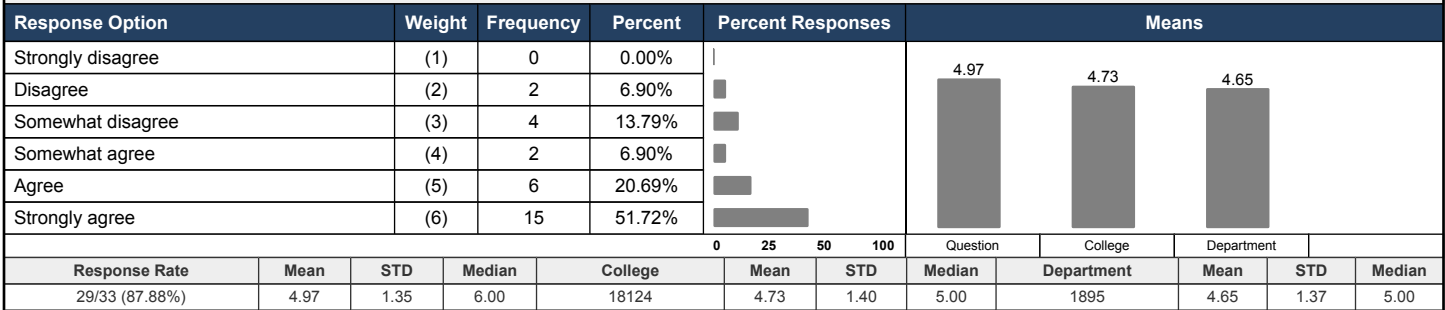
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Instructor: David Todd Gray *
Response Rate: 29/33 (87.88 %)

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 23/33 (69.7%)

- Not sure, still don't understand the purpose of this class
- Practice MATLAB.
- I stay on top of this class a lot, so not much. I suppose I could have gone to more office hours.
- I had some difficulty in attending class due to personal issues, I think if I focused more on that I would be able to become a better learner.
- Asked more questions instead of just remaining confused on some of the MATLAB work.
- Study more
- Asked more questions
- Put more effort into individual assignments
- Focused in class more, tried to complete the assignments before they were due instead of the day before.
- Tried harder
- Ask more questions.
- I could have practiced MATLAB on my own because it is an important skill.
- Cared about the material, maybe. I'm going into CS so I don't feel like most of this stuff applies to me anyway.
- Focus on the class more.
- I could have done more MATLAB programming on my own free time.
- Staying focused in class by getting rid of distractions.
- I could have spent more out of class time on my assignments.
- I could have been more attentive to canvas and my email.
- Practice MATLAB more, polish my essays, and contribute some more to group projects.
- Attend office hours
- Been more attentive to the specific directions on a few assignments
- I could have put more effort into my work, and established a solid way to remain attentive in class without dozing off.
- Taken more time out of class to learn Matlab.

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Instructor: David Todd Gray *
Response Rate: 29/33 (87.88 %)

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

David Todd Gray

Response Rate 17/33 (51.52%)

- I really wish we had a greater ability to choose our own groups. I ended up being in one for Module 1 and Module 3 that didn't really do much work and I had to do a lot.
- BEST TEACHER EVER!!!!!!
- Make directions clearer on assignments, was difficult to understand sometimes
- My best teacher. Great guy and cares about his students
- The best teacher I've ever had!
- Great teacher, would recommend to other students
- All good.
- Hope you get a raise/tenure/promotion.
- Feels unnecessary for CS
- none
- Dr. Gray is a good prof.
- He was extremely understanding and did a great job connecting with his students.
- He was a down-to-earth teacher that didn't sacrifice any professionalism in the process.
- This course was very similar to one I took senior year, the only difference was that it didn't have MATLAB so the credits didn't transfer. For his first year teaching, Dr. Gray exceeded my expectations as a student.
- Great instructor
- He is the best! From what I've heard about my friends engineering courses, he seems to be the coolest and most down-to-earth instructor for 1215, so I was lucky that I got him.
- It was nice to have a teacher that had real world experience

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) | 4 | 13.79% | ■ | | | | | | | |
| Good | (5) | 9 | 31.03% | ■ | | | | | | | |
| Very Good | (6) | 16 | 55.17% | ■ | | | | | | | |
| | | | | | 0 | 25 | 50 | 100 | Question | College | Department |
| Response Rate | Mean | STD | Median | College | Mean | STD | Median | Department | Mean | STD | Median |
| 29/33 (87.88%) | 5.41 | 0.73 | 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 9/33 (27.27%)

- The classroom is long and its hard to see the side whiteboards from opposite ends of the room
- All good.
- I wish the building were a bit more modern.
- Nice chairs
- none
- Sometimes a truck backing up outside would drown out the teacher's voice.
- A simple class room. Chairs and tables in good condition.
- Chair's were a little uncomfortable.
- Felt very comfortable in the class.

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Instructor: David Todd Gray *
Response Rate: 29/33 (87.88 %)

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% | | 5.21 | | | | | | | | |
| Disagree | | (2) | 0 | 0.00% | | | | | | | | | | |
| Somewhat disagree | | (3) | 1 | 3.57% | | | | | | | | | | |
| Somewhat agree | | (4) | 5 | 17.86% | | | | | | | | | | |
| Agree | | (5) | 9 | 32.14% | | | | | | | | | | |
| Strongly agree | | (6) | 13 | 46.43% | | | | | | | | | | |
| | | | | | 02550100 | Question | | College | | Department | | | | |
| Response Rate | | Mean | STD | Median | College | | Mean | STD | Median | Department | | Mean | STD | Median |
| 28/33 (84.85%) | | 5.21 | 0.88 | 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) | 0 | 0.00% | | | | | | | | | | |
| Disagree | | (2) | 1 | 3.45% | | | | | | | | | | |
| Somewhat disagree | | (3) | 9 | 31.03% | | | | | | | | | | |
| Somewhat agree | | (4) | 5 | 17.24% | | | | | | | | | | |
| Agree | | (5) | 5 | 17.24% | | | | | | | | | | |
| Strongly agree | | (6) | 9 | 31.03% | | | | | | | | | | |
| | | | | | 02550100 | Question | | College | | Department | | | | |
| Response Rate | | Mean | STD | Median | College | | Mean | STD | Median | Department | | Mean | STD | Median |
| 29/33 (87.88%) | | 4.41 | 1.32 | 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) | 2 | 6.90% | | 4.83 | 4.99 | 4.82 | | | |
| Disagree | | | | (2) | 1 | 3.45% | | | | | | | |
| Somewhat disagree | | | | (3) | 0 | 0.00% | | | | | | | |
| Somewhat agree | | | | (4) | 4 | 13.79% | | | | | | | |
| Agree | | | | (5) | 12 | 41.38% | | | | | | | |
| Strongly agree | | | | (6) | 10 | 34.48% | | | | | | | |
| | | | | | | | 02550100 | Question | College | Department | | | |
| Response Rate | | Mean | STD | Median | College | | Mean | STD | Median | Department | Mean | STD | Median |
| 29/33 (87.88%) | | 4.83 | 1.39 | 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% | | 4.97 | 4.93 | 4.67 | | | | |
| Disagree | | | | (2) | 1 | 3.45% | | | | | | | | |
| Somewhat disagree | | | | (3) | 3 | 10.34% | | | | | | | | |
| Somewhat agree | | | | (4) | 4 | 13.79% | | | | | | | | |
| Agree | | | | (5) | 9 | 31.03% | | | | | | | | |
| Strongly agree | | | | (6) | 12 | 41.38% | | | | | | | | |
| | | | | | | | 02550100 | Question | | College | | Department | | |
| Response Rate | | Mean | STD | Median | College | | Mean | STD | Median | Department | | Mean | STD | Median |
| 29/33 (87.88%) | | 4.97 | 1.15 | 5.00 | 17979 | | 4.93 | 1.24 | 5.00 | 1881 | | 4.67 | 1.31 | 5.00 |

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Course:

ENGE_1215_83844_201809: (83844) Foundations of Engineering-ENGE_1215_89620_201809

Instructor:

David Todd Gray *

Response Rate:

29/33 (87.88 %)

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> | 5.55 | | 5.14 | | 5.20 | | | |
| Disagree | (2) | 0 | 0.00% | | | | | | | | | |
| Somewhat disagree | (3) | 1 | 3.45% | | | | | | | | | |
| Somewhat agree | (4) | 1 | 3.45% | | | | | | | | | |
| Agree | (5) | 8 | 27.59% | <div></div> | 5.55 | | 5.14 | | 5.20 | | | |
| Strongly agree | (6) | 19 | 65.52% | <div></div> | | | | | | | | |
| | | | | 02550100 | Question | | College | | Department | | | |
| Response Rate | Mean | STD | Median | College | Mean | STD | Median | Department | Mean | STD | Median | |
| 29/33 (87.88%) | 5.55 | 0.74 | 6.00 | 23066 | 5.14 | 1.10 | 5.00 | 1935 | 5.20 | 1.02 | 5.00 | |