| Course:              | MAT 265 72858 - Calculus for Engineers I   | Department:           | CMATHSTAT        |
|----------------------|--|-----------------------|------------------|
| Responsible Faculty: | Brian England  | Responses / Expected: | 54 / 96 (56.25%) |
| Overall Mean:        | <ul> <li>4.4 Cum GPA (51 responses)</li> <li>3.4 Expected Grade (54 responses)</li> <li>3.3 5-Point w/ Neutral H-L (702 responses)</li> <li>3.1 Grading (108 responses)</li> <li>1.1 Class Standing (Fr,So,Jr,Sr,Grad) (54 responses)</li> <li>1.1 Reason for course L-H (54 responses)</li> </ul> |                       |                  |

|    |  | MAT 265 - 72858 |             |             |             |            |    |      |      |      |            |  |  |  |
|----|--|-----------------|-------------|-------------|-------------|------------|----|------|------|------|------------|--|--|--|
|    | ATHSTAT Course Questions neral Course Questions  |                 | Re          | Course      |             |            |    |      |      |      |            |  |  |  |
|    |  | SA              | Α           | N           | D           | SD         | N  | Mean | Med. | Mode | Std<br>Dev |  |  |  |
| Q1 | Assignments and/or examinations promote learning | 13<br>24.1%     | 19<br>35.2% | 8<br>14.8%  | 6<br>11.1%  | 8<br>14.8% | 54 | 3.4  | 4    | 4    | 1.36       |  |  |  |
| Q2 | Class sessions are well planned                  | 13<br>24.1%     | 10<br>18.5% | 10<br>18.5% | 12<br>22.2% | 9<br>16.7% | 54 | 3.1  | 3    | 5    | 1.42       |  |  |  |
| QЗ | The pace and level of the course are appropriate | 12<br>22.2%     | 14<br>25.9% | 10<br>18.5% | 9<br>16.7%  | 9<br>16.7% | 54 | 3.2  | 3    | 4    | 1.39       |  |  |  |
| Q4 | The course engages my interest                   | 9<br>16.7%      | 18<br>33.3% | 11<br>20.4% | 7<br>13%    | 9<br>16.7% | 54 | 3.2  | 3.5  | 4    | 1.32       |  |  |  |
| Q5 | I learned something that I consider valuable     | 13<br>24.1%     | 21<br>38.9% | 10<br>18.5% | 5<br>9.3%   | 5<br>9.3%  | 54 | 3.6  | 4    | 4    | 1.21       |  |  |  |

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1

|  | MAT 265 - 72858 |             |             |          |             |    |        |      |      |            |  |  |
|--|-----------------|-------------|-------------|----------|-------------|----|--------|------|------|------------|--|--|
| CMATHSTAT Course Questions General Course Questions                | Responses (%)   |             |             |          |             |    | Course |      |      |            |  |  |
|  |                 | В           | С           | D        | E           | N  | Mean   | Med. | Mode | Std<br>Dev |  |  |
| Q6 Using A-E as grades, what is your overall rating of the course? | 8<br>14.8%      | 14<br>25.9% | 15<br>27.8% | 7<br>13% | 10<br>18.5% | 54 | 3.1    | 3    | 3    | 1.31       |  |  |

**Responses:** [A] A=5 [B] B=4 [C] C=3 [D] D=2 [E] E=1

|  | MAT 265 - 72858 |            |           |   |   |        |      |      |      |            |  |  |  |
|--|-----------------|------------|-----------|---|---|--------|------|------|------|------------|--|--|--|
| CMATHSTAT Student Demographic Questions Academic General |                 | Respons    | ses (%)   |   |   | Course |      |      |      |            |  |  |  |
|  | F               | s          | J         | s | G | N      | Mean | Med. | Mode | Std<br>Dev |  |  |  |
| Q7 What is your current class standing?                  | 47<br>87%       | 6<br>11.1% | 1<br>1.9% | 0 | 0 | 54     | 1.1  | 1    | 1    | .40        |  |  |  |

Responses: [F] Freshman=1 [S] Sophomore=2 [J] Junior=3 [S] Senior=4 [G] Graduate=5

|  | MAT 265 - 72858 |         |           |     |        |      |      |      |            |  |  |  |
|--|-----------------|---------|-----------|-----|--------|------|------|------|------------|--|--|--|
| CMATHSTAT Student Demographic Questions Academic General |                 | Respons | es (%)    |     | Course |      |      |      |            |  |  |  |
|  | MR              | RFC     | GS        | EGI | N      | Mean | Med. | Mode | Std<br>Dev |  |  |  |
| Q8 What requirement does this course meet for you?       | 51<br>94.4%     | 0       | 3<br>5.6% | 0   | 54     | 1.1  | 1    | 1    | .46        |  |  |  |

 $\textbf{Responses: [MR]} \ \ \text{Major Requirement=1} \ \ [\textbf{RFC}] \ \ \text{Related Field Course=2} \ \ [\textbf{GS}] \ \ \text{General Studies=3} \ \ [\textbf{EGI}] \ \ \text{Elective} \\ (\text{General Interst})=4 \\ (\text{General I$ 

|   |   | MAT 265 - 72858 |             |             |           |          |    |      |      |      |            |  |  |  |
|---|---|-----------------|-------------|-------------|-----------|----------|----|------|------|------|------------|--|--|--|
|   | CMATHSTAT Student Demographic Questions<br>Academic General |                 | Res         | ponses (%)  | Course    |          |    |      |      |      |            |  |  |  |
|   |   | A               | В           | С           | D/E       | 0        | N  | Mean | Med. | Mode | Std<br>Dev |  |  |  |
| C | What grade do you expect to earn for this course?           | 11<br>20.4%     | 18<br>33.3% | 14<br>25.9% | 4<br>7.4% | 7<br>13% | 54 | 3.4  | 4    | 4    | 1.25       |  |  |  |

Responses: [A] A=5 [B] B=4 [C] C=3 [D/E] D/E=2 [O] Other=1

|  |                      |           |           |   | MA | 265 - | 72858 |      |      |            |  |
|--|----------------------|-----------|-----------|---|----|-------|-------|------|------|------------|--|
| CMATHSTAT Student Demographic Questions Academic General | Responses (%) Course |           |           |   |    |       |       |      |      |            |  |
|  | 3                    | 3         | 2         | 2 | B2 | N     | Mean  | Med. | Mode | Std<br>Dev |  |
| Q10 What is your current ASU GPA?                        | 23<br>45.1%          | 25<br>49% | 3<br>5.9% | 0 | 0  | 51    | 4.4   | 4    | 4    | .60        |  |

Responses: [3] 3.5+=5 [3] 3.0-3.49=4 [2] 2.50-2.99=3 [2] 2.0-2.49=2 [B2] Below 2.0=1

|     |   |             |             |             | В           | rian Engl   | and |      |          |      |            |
|-----|---|-------------|-------------|-------------|-------------|-------------|-----|------|----------|------|------------|
|     | THSTAT Faculty Questions<br>se Related Faculty Questions                |             | Re          | sponses     | (%)         |             |     |      | Individu | ual  |            |
|     |   | SA          | A           | N           | D           | SD          | N   | Mean | Med.     | Mode | Std<br>Dev |
| Q11 | The instructor's presentations are clear and understandable             | 6<br>11.1%  | 13<br>24.1% | 10<br>18.5% | 18<br>33.3% | 7<br>13%    | 54  | 2.9  | 3        | 2    | 1.23       |
| Q12 | The Instructor makes clear what is expected of me in this course        | 12<br>22.2% | 23<br>42.6% | 8<br>14.8%  | 7<br>13%    | 4<br>7.4%   | 54  | 3.6  | 4        | 4    | 1.18       |
| Q13 | I have confidence in the instructor's knowledge of the subject          | 23<br>42.6% | 18<br>33.3% | 7<br>13%    | 2<br>3.7%   | 4<br>7.4%   | 54  | 4.0  | 4        | 5    | 1.17       |
| Q14 | The instructor is helpful if the class has difficulty with the material | 9<br>16.7%  | 14<br>25.9% | 10<br>18.5% | 10<br>18.5% | 11<br>20.4% | 54  | 3.0  | 3        | 4    | 1.39       |
| Q15 | I feel welcome seeking help from the instructor                         | 7<br>13%    | 14<br>25.9% | 13<br>24.1% | 6<br>11.1%  | 14<br>25.9% | 54  | 2.9  | 3        | 1,4  | 1.38       |
| Q16 | The instructor promotes effective class discussion                      | 6<br>11.1%  | 12<br>22.2% | 13<br>24.1% | 12<br>22.2% | 11<br>20.4% | 54  | 2.8  | 3        | 3    | 1.29       |
| Q17 | The instructor conveys enthusiasm about the course                      | 16<br>29.6% | 19<br>35.2% | 8<br>14.8%  | 4<br>7.4%   | 7<br>13%    | 54  | 3.6  | 4        | 4    | 1.33       |
| Q18 | The instructor's responses to written work are helpful                  | 8<br>14.8%  | 18<br>33.3% | 13<br>24.1% | 8<br>14.8%  | 7<br>13%    | 54  | 3.2  | 3        | 4    | 1.24       |

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1

| CMATHSTAT Faculty Questions   |               | Brian England |            |            |             |    |            |      |      |            |  |  |  |
|---|---------------|---------------|------------|------------|-------------|----|------------|------|------|------------|--|--|--|
| Course Related Faculty Questions  | Responses (%) |               |            |            |             |    | Individual |      |      |            |  |  |  |
|   |               | В             | С          | D          | E           | N  | Mean       | Med. | Mode | Std<br>Dev |  |  |  |
| Q19 Using A-E as grades, what is your overall rating of the instructor? | 12<br>22.2%   | 14<br>25.9%   | 8<br>14.8% | 9<br>16.7% | 11<br>20.4% | 54 | 3.1        | 3    | 4    | 1.45       |  |  |  |

Responses: [A] A=5 [B] B=4 [C] C=3 [D] D=2 [E] E=1

|     | Question: Wha     | at did you like about the course?   |   |
|-----|-------------------|---|---|
| Res | sponse Rate: 74.0 | 07% (40 of 54)  |   |
| 1   | nothing besides   | the additional videos that were available to all of calc 1 because that was how I learned everything. | Q |
| 2   | learning          |   | Q |
| 3   | it was online and | d the homework set up through webwork was great and I really liked that.                              | Q |
| 4   | derivatives       |   | Q |
| 5   | Webwork is a mu   | uch better homework site than other   | Q |
| 6   | There are ample   | lecture videos available to watch outside of class.   | Q |
|     |                   |   |   |

| 7  | The student could do the course mostly at their own pace, due dates did not restrict the students to cramming and not absorbing content.  | Q |
|----|---|---|
| 8  | The professor is great. He taught everything well.  | Q |
| 9  | The pace of the class was nice, we finished the topics at a good rate and moved on without too much down time. Most of the lectures by the professor were easy for  | Q |
|    | me to understand the content. The professor was also active and quick at responding to emails and questions, which I liked.   | Q |
| 10 | The one thing I did enjoy was his breakdown of the exams and how each topic would prepare us for the next semester or for later on in our lives.  |   |
| 11 | The lectures were easy to follow and the professor made himself available whenever help was needed.   | Q |
| 12 | The course was really good, the professor very clearly knew what they were talking about and was good at explaining very complex topics using stuff we had already covered as building blocks.  | Q |
| 13 | The course had the necessary information and the tests were focused and covered what we had done in class and in homework.  | Q |
| 14 | The course material was honestly fine, I don't think it was a ridiculously difficult course at its base level.  | Q |
| 15 | Piazza is helpful.  | Q |
| 16 | Nothing.  | Q |
| 17 | Nothing. No pacing or consistency. Unpredictable, given schedule is not followed. Difficult to know which concepts are being covered. Too much rambling about off topic subjects.   | Q |
| 18 | Not very difficult assignment and appropriate workload.   | Q |
| 19 | Not really a great course but the teacher tried his best, I think.  | Q |
| 20 | Not much.   | Q |
| 21 | N/a   | Q |
| 22 | It's well put together and isn't overwhelming.  | Q |
| 23 | It went at a fast pace, but I was still able to learn it all.   | Q |
| 24 | I liked that professor England was so helpful with answering questions on the homework.   | Q |
| 25 | I liked that there were many opportunities to practice certain topics through webwork. It gives us chances to learn by ourselves and learn what we did wrong. The piazza website was also helpful because I could be shown how difficult problems are done and try it out myself to understand concepts better. | Q |
| 26 | I liked the use of Piazza in this course as I could ask any question regarding the course at anytime and obtain a response from other students and the instructor.  | Q |
| 27 | I liked that there were study guides on the ASU website to help prepare for the tests throughout the semester. It was also interesting to learn the new math techniques.  | Q |
| 28 | I liked the WebWork homeworks because they were cool little projects to do that taught me a lot.  | Q |
| 29 | I liked that the course wasn't too far outside the realm of the basics. the fundamental understanding of Calculus 1 was really hammered down. And there was a lot of practice involved.   | Q |
| 30 | I liked how there were reviews on the ASU MAT265 page to help prepare for tests.  | Q |
| 31 | I liked how this course wasn't too overwhelming with the workload and the teacher was direct about assignments and was grades were counted.   | Q |
| 32 | l like math as a concept. Calculus itself is fun to learn about. I loved learning calculus in high school.  | Q |
| 33 | I like how the homework was planned out precisely to each week we finished a topic.   | Q |
| 34 | I learned more about my current major.  | Q |
| 35 | I enjoyed the ability to get help from the instructor on specific problems. I enjoyed the engineering aspects that professor England would bring up. The course was linear and the progression of topics made sense.  | Q |
|    |   |   |

| 36 | I enjoyed the material we covered and think it will be helpful to me during the rest of my time at ASU.  | Q |
|----|--|---|
| 37 | I enjoy the professor's humor and sarcasm, and he knows what he's doing I suppose. Homework wasn't too bad.  | Q |
| 38 | I did not only have access to lectures, but videos from another teacher too to help with learning the material. Also, piazza is incredibly helpful. Constant communication.  | Q |
| 39 | He was a very nice guy, pretty relatable and understood when our hw deadlines should be improved because we did not get to it in class. He was very understanding of our hw deadlines and the flexibility of them. | Q |
| 40 | Attending was optional   | Q |

| 40  | Attending w  | as optional   | 4 |  |  |
|-----|--|---|---|--|--|
|     | Question:  | What did you dislike about the course? Do you have any suggestions to improve the course?   |   |  |  |
| Res | sponse Rate:   | <b>75.93</b> % (41 of 54)   |   |  |  |
| 1   | the course v   | vas a circus of events. from the tests to the lectures  | Q |  |  |
| 2   | nothing I wo   | uldnt change it   | Q |  |  |
| 3   |  | ructions on exams, most announcements were made in class and never repeated through the announcements section in Canvas. During lectures I was cause he didn't teach us anything he just flew through the problems like a wizard, so I relied heavily on other resources to help me learn.  | Q |  |  |
| 4   | This is just   | a personal preference, but I like focusing more on subject at hand than having the teacher go on some tangents. Other students may disagree though.   | Q |  |  |
| 5   | This course  | was very hard online, if you fell behind there was no way of catching up.   | Q |  |  |
| 6   | content a lo   | wasn't the best. I took calc 1 and 2 last year in high school and it was a lot more enjoyable than it is now. My teacher in high school also explained the t better and if it weren't for me taking that class, I don't think I would have been doing well in this class. His teaching style is not for me and his "help" on just him pretty much giving the answer to the problem and not explaining how he got everything.  | Q |  |  |
| 7   | This course  | was structured well and I have no complaints about the course.  | Q |  |  |
| 8   |  | lot of disorganization about test scores for exam 1, but I wouldn't credit those problems to the professor as canvas was the reason for most of the other than that, the class was pretty good.   | Q |  |  |
| 9   | There is not   | hing I dislike about this course. I do not have any suggestions to improve the course.  | Q |  |  |
| 10  | There are a lot of things that can be improved upon. Number one, the first test we took was an absolute disaster. The questions were horribly worded and we didn't know our results for over 3 weeks. I did bad on the first two tests however I got a great grade on the "mastery test". How can I have an A on the mastery test on the first two tests, which is what the mastery covered, I failed both of them. It simply doesn't make sense. If the first test was worded better and not have the "answer in terms of infinity" but 1/3 was the correct answer, my grade would be completely different in this class and I would not have to worry about failing. Also, we are unable to talk to one another to form a study group. Yes we have piazaa but I am unable to study with people who are having similar problems as I am. A discord study group should have been allowed since we are in an era where Corona is affecting our everyday lives.  The professor can sometimes be rude when answering questions and doesn't seem like he genuinely wants us to succeed. During the actual lecture, he taught by writing on a marker board, which is hard to follow virtually. Would've preferred in-person learning for this kind of material. |   |   |  |  |
| 11  |  |   | Q |  |  |
| 12  | The course respond to o  | was not engaging this may be due to the online format but I think what would help would be to make students active learners and give them chances to questions.   | Q |  |  |
| 13  | The class itself is poorly organized. There was no way to from groups to study. He often cursed in class and the actual learning of the topic in the class did not start until 30 minutes in. The lesson is taught poorly and then he immediately goes into examples. On top of all this, I believe he has too much pride in his actions despite his mistakes. The first test had so many mistakes and brought so much anxiety. Most of the students have felt this way. I am usually a good student but i found it extremely difficult and confusing to navigate with his class. His rating is low as well, so i definitely think these mistakes are repetitive. He often blames everything on classes being online, which doesn't necessarily align with how the problems are messed up. I'm not really sure if Professor England is the right fit for teaching a heavy course such as calculus. He has definitely ruined calculus for me.   |   |   |  |  |
| 14  | Some of the  | teacher selected examples seemed to focus on the wrong skills based on the assignment.  | Q |  |  |
| 15  | Professor w  | as always tired and complained about his 6 other courses. It was difficult to follow along online too   | Q |  |  |
| 16  | Fails to recc<br>is ill, and the<br>in Calculus<br>Said there v<br>no hard feel<br>emails, of w<br>not going to<br>when reques   | avolves personal matters and life into class. Highly emotional. Some sort of superiority complex. "It wasn't done this way when I was in college" mentality, or beging that many students come from different backgrounds. Bitter, no excuse mentality just because we aren't experiencing what he is. I get that his wife at he has lots of classes to teach on top of his full time job. However, that is not our problem. It is his job. Not engaging. Decided to teach physics concepts class. FYI, Calculus is a pre requisite for physics so some of us don't know what is going on. Yes Calculus is hard, but Professor was never available to help, was youtube videos to look at and that we have the internet. When working with a tutor he would discredit what we learned saying that was wrong. All in all, in all, in this Professor, Professionalism is lacking. I reached out asking for help and was dismissed. "I'm teaching you how to fish," I was given rude hich I have evidence of. I genuinely needed help and did not know who to ask. Students helped me out not him. I was about to speak to ASU admin but I am waste my time. This university feels like a scam. All it does is take money from students instead of helping, for low quality professors who don't give help sted. This class forced me to change my major and it was my last chance. Now I can't afford university, I have no scholarship, my grades suffer and here king a full time job while doing this just end up paying for amenities I don't even use. But Forks up I guess. | Q |  |  |
| 17  | Online learn   | ing from videos and assignments   | Q |  |  |
| 18  | when people<br>stand in from   | did not have a lesson plan. He gave extremely hard homework questions that were nothing like the other calc classes. England went on rants and was rude asked questions. He put a curve on the first test and then removed the curve a week later which isn't right. He wrote on the white board and then would not of the white and you couldn't see what he wrote. He also did not write out all of his steps when giving a demonstration problem of a new topic which whard to following along.  | Q |  |  |

| 19 | It is difficult being scored on only the correct answer with no easy way to show your work and communicate where you went wrong. Piazza is the best resource for this communication, but you are still only graded on your end result.  | a |
|----|---|---|
|    | Homework and class content does not correlate to tests.   | 7 |
| 0  | I would suggest writing down the topic of what we are learning that day so anyone is not confused. Also, writing out all the work would be helpful because sometimes I was confused on where you got your numbers from.   | Ç |
| 1  | I wish the teacher did a powerpoint slides presentation along with doing his own problems. There is no structure in my opinion, and too often I feel other students like myself are easily lost.  | Ç |
| 2  | I think that since this was a course online, it difficult all the class, the examination process and the way of learning.   | C |
| 3  | I really disliked how the homework he assigned was very rarely similar to the exams. I found more help learning from past exams from other classes and online learning through khan academy compared to being in his class. Several of the lesson days were hardly planned out. He canceled both review sessions right before the final and gave no other advice than to check out tutoring centers or to study harder. One way to improve the class would be to have a better review of the exam and to assign homework that is more similar to the actual problems on the exam.   | Ç |
| 4  | I hate WebWorK, the professor was a terrible person who didn't promote a learning environment where students can be succeed.  | Ç |
| 25 | I don't like the course only for the time zone problem, so I don't have suggestions.  | Ç |
| 6  | I don't have any complaints that aren't inherently geared towards online learning and a shortened semester. Professor England had trouble with systems like canvas and zoom like the rest of us. I think having small quizzes during zoom might encourage more in class participation.  | Ç |
| 7  | I don't have any particular suggestions.  | C |
| 8  | I don't care for the online aspect, but there isn't much to do about that.  | Ç |
| 9  | I disliked the teaching style of this particular course. Yes, there were lecture videos posted but I felt a bit confused listening to the lectures by Professor England. I also dislike all the precautions before taking an exam, but I fully understand that it ensures no students are cheating and receiving a good grade unfairly.   | C |
| 0  | I disliked how the lectures were just spent going over practice problems instead of learning concepts. If this were made clear towards the beginning of the year it would have been much better.  | C |
| 1  | I disliked the fact that there were no review papers other than what was provided by ASU. Going into each test I felt that I didn't know what to be expecting of the exam, or the style or content of questions that were going to be asked of me. while the engineering aspects were interesting, I also believe that the way he presented the application was confusing to students. I enjoy math but the way he would introduce a topic with its original derivation and source made it difficult to know how I can apply the new topic broadly. The professor would often do only one or two problems of a specific type, which is helpful for that exact style of problem, but knowing the content in a broader scope was very difficult given the course. I also think that some of the exams were formatted weirdly, case in point exam 1, I know the instructor did his best to rectify mistakes but I feel like it had a huge impact on my grade because the exam felt quite unlike what we had covered in class. I know it's a lot but I hope this is beneficial. | C |
| 2  | I didn't not like how lectures were online on zoom. I especially cannot learn new calculus subject from a blurry camera through a computer screen. The best way to learn the content thoroughly is in-person and being taught. Sometimes the teacher would also go on many, many random rants in-between lecturing that wouldn't make sense. At times it was also hard to follow what topic was being taught.   | C |
| 3  | I did not like webwork for homework assignments and the lectures didn't help much on the homework unless the professor did exact homework problems from webwork. In general, doing math online is a struggle and I would recommend doing assignments as a class rather than making the homework due.  | C |
| 4  | I did not like how he taught the class. It could have been a little more organized with lesson plans and homework.  | C |
| 5  | Honestly I don't know, it is just math.   | C |
| 6  | He didn't teach, he just expected us to know the content  | C |
| 7  | He could not make up his mind in regards to a curve on tests, a lot of students are not passing because initially he said that there would be a curve and proceeded not to do so. He also does not provide any other resources for help other than the asu videos you can find online or just to "look it up". I would just suggest if there is something that is wrong technically on the instructor's end the student's grades should not be punished for it. He also taught in a way that was hard to understand.  | C |
| 8  | Even though I was keeping up with the homework, taking notes in class, and studying hard for the tests I didn't do very well on any of the two I took (less than 50% on both of the tests I took before dropping) it is hard to tell if it is because of distanced learning or if I hadn't worked hard enough to prepare myself but overall it felt like each of the tests was adjacent to what we talked about, taking the homework and expected topics and evolving on them just past what I was conformable with, this was really rough and overall dampened my experience.  |   |
| u  | In all honesty I think that this isn't something wrong with the course or the professor but instead my learning style not mixing well with the distanced learning and the restraints the professor had when teaching the class through lectures on Zoom. Overall the class is well put together and challenging (likely more so than I was ready for) just as expected.   | C |
|    | Tory just as expected.  |   |

Course modules and homework did not line up at all. This is a nightmare because we "don't need the book" and everything is in the lecture, written on a small ephemeral whiteboard that he stands in front of. It seems that he purposefully does not provide materials as per his syllabus, for what reason I have no idea because again we "don't need the book." Homework is all over the place, with very advanced problem sets that stump multiple tutors online and in person. Relevance to exams is questionable. Weight of certain topics is illogical, for example having more L'Hospitals rule questions which were some of the last things to be practiced just before exam 2. Lectures not easily reference-able and hard to find general relevance for anything other than very specific problem sets. Potentially very helpful that he goes over webwork questions. However this teacher is the least professional I've ever studied under and has inferiority issues. Takes requests and emails and questions very personally and sometimes very out of context to the point of absurdity. Always asserts that things have been "talked about" or are in the announcements, but this is only partly true and these things are easy to miss given the lack of redundancy that teachers of his teaching experience know to anticipate. Seems strange that a teacher would not anticipate questions, silly or otherwise, and would spend minutes upon minutes on the subject.

There was potential for compliments on his attentiveness to his homework forum but he was extremely vague and deflective on a question that got a lot of traffic and this was his opportunity to prove why people should use it more.

Professor will also digress to the point of absurdity even ignoring attempts to politely cut in to ask a different question or to redirect.

It seems like this kind of criticism will not be taken seriously as these things have been visibly noted by other students and he has been teaching for years.

Absolutely unorganized. The professor is not understanding and complains a lot. He is not a good instructor in any way. I would recommend getting a new professor.

Q

|     | Faculty:  | Brian England   |   |  |  |
|-----|---|---|---|--|--|
|     | Question: What did you like about the instructor or the method of instruction?                                    |   |   |  |  |
| Res | esponse Rate: 64.81% (35 of 54)   |   |   |  |  |
| 1   | help outside of class   |   |   |  |  |
| 2   | he really exp   | lained things as well as set aside a whole day to ask questions to study before the test.   | Q |  |  |
| 3   | Very blunt a  | nd to the point, did a good job of communicating necessary content  | Q |  |  |
| 4   | Told us wha   | t was important.  | Q |  |  |
| 5   | The one goo   | d thing about the instructor's method of instruction was that it related the material to the real world.  | Q |  |  |
| 6   | The instruct  | or was very reasonable as he extended the homework if needed and made adjustment to the method of taking the exam to best fit the student's interest.   | Q |  |  |
| 7   | Professor E   | ngland definitely knows what he is doing and has great knowledge of the concepts or the most part.  | Q |  |  |
| 8   | Nothing   |   | Q |  |  |
| 9   | Nothing, ma   | ybe the youtube videos I had to watch because of his lacking methods.   | Q |  |  |
| 10  | method of to  | ed his enthusiasm about math and it is extremely clear that he knows what he is talking about, and his understanding of math. All things considered his eaching given the digital format were effective, and his set up with a webcam showing him writing on the board was effective in conveying the content he rote on the board. Hopefully that light up glass board is the bomb and improves your style the way you want it to. | Q |  |  |
| 11  | I liked that h  | e recorded the lectures so that we could go back and re-watch them if need be.  | Q |  |  |
| 12  |   | he instructor is open to doing problems during class and further explains the concepts of calculus. I also like how Professor England applies behavior in ding integrity as an engineering student. He is passionate about his students understanding of calculus!  | Q |  |  |
| 13  | I liked that t  | his instructor was extremely knowledgeable and very clearly understood the coursework and the math that is calculus.  | Q |  |  |
| 14  | I liked how p   | assionate he was about math and calculus. It was made clear that he really understood what he was teaching. He was also very direct about the sneeded to succeed in the class.  | Q |  |  |
| 15  | I like the viv  | d graphing and explains he provides.  | Q |  |  |
| 16  | I like that he  | answered all the emails and posts in Piazza that I sent. He helped me to clarified my questions about the course.   | Q |  |  |
| 17  | I like that he  | is fair with tests and homework curves.   | Q |  |  |
| 18  | I like how he   | used Piazza to help students if they have a problem. It helped me learn better and learn more from my peers as well.  | Q |  |  |
| 19  | I did not.  |   | Q |  |  |
| 20  | I did not like the method of his instruction at all. It seemed like he was trying to help through webwork though. |   |   |  |  |
| 21  | He's easy to understand and is quick to help the students whether via email or on Piazza.                         |   |   |  |  |
|     |   |   |   |  |  |

| 22 | He's a nice guy I suppose.  | Q |
|----|---|---|
| 23 | He was kind of funny.   | Q |
| 24 | He was for the most part a relaxed teacher who was willing to answer questions and assist students as long as they asked in the correct place or at the correct time. He provided multiple different ways for students to access lectures and assistance. | Q |
| 25 | He was a cool guy and seemed to understand what he was talking about.   | Q |
| 26 | He taught everything visually and that is what made it easier.  | Q |
| 27 | He provided many examples.  | Q |
| 28 | He knows what he is talking about. He is educated and knows the material.   | Q |
| 29 | He is very knowledgeable about this topic and is able to help solve any problem that someone is having trouble with.  | Q |
| 30 | He encouraged us to ask questions either in class or outside of class. He always answered questions on Piazza in a timely manner.   | Q |
| 31 | He clearly knows what he is talking about.  | Q |
| 32 | He clearly knows the information well and tells us why it is important later in our careers.  | Q |
| 33 | Gave real world examples  | Q |
| 34 | Everything was very matter of fact, and he was very willing to continue doing example problems to help clear up most peoples confusions about the methods and procedure to solve the math problems.   | Q |
| 35 | Dr.England was very straightforward and to the point which is my preferred way of learning when it comes to math.   | Q |
|    | Faculty: Brian England  |   |

|    | Faculty:  | Brian Engl               | and   |   |  |
|----|---|--------------------------|---|---|--|
|    | Question:   | What did y               | you dislike about the instructor or method of instruction? Do you have any suggestions to improve instruction?  |   |  |
| Re | sponse Rate: 72.22% (39 of 54)  |                          |   |   |  |
| 1  | no I do not   |                          |   | Q |  |
| 2  | i think sometimes Professor England gets too excited about the material and goes on tangents over real life applications.   |                          |   | Q |  |
| 3  | There isn't much for me to say here, they are an extremely well versed professor it is apparent in the speed at which he completes the math problems and how simple everything he explains sound. The only real issue is that I struggled to keep up with the pacing, I know a lot of other students did perfectly fine keeping up and have been able to excel under his teachings but it was just slightly much too fast for me.   |                          |   | Q |  |
| 4  | The professor would teach by giving examples instead of explaining the thing we were learning. Instead of saying for example, "This is what the chain rule is and here's why and how you will use it" he taught new concepts by showing an example of him going through the problem without explaining why he is doing what he is doing and where exactly he got his numbers from. His method of teaching did not help me learn especially since I can't talk to classmates outside of class to work on practice problems together with and I am learning the most from Khan Academy and Youtube. |                          |   | Q |  |
| 5  | The method  | of instruc               | tion, while out of his control, was hard to follow. This is the nature of Zoom, there isn't much that can be done.  | Q |  |
| 6  | The homew   | ork and tes              | ets did not relate to what was taught in class. He often made mistakes when working out problems for students.  | Q |  |
| 7  | Spends alot   | of time ta               | lking about other things  | Q |  |
| 8  | Sometimes   | the teache               | er's response to questions was a little confusing and required him or another student to elaborate more so that everyone could understand.  | Q |  |
| 9  | Same as I n   | nentioned b              | pefore. Just writing down the topics name before the lesson and thoroughly write down your work.  | Q |  |
|    | difficult to k<br>explaining the  | eep up wit<br>ne broader | en states he is tired in our class, as it is his last class of the day. He makes many errors in his quick math, which I find disorienting as I find it his pace to begin with. This would not be an issue if his teaching method was not entirely example-focused and instead more focused on topics. It feels as if he expects us to understand by just observing him do homework problems. I don't think I retained much from lectures, and I reself through the supplied additional videos and YouTube. He goes off on tangents with math unrelated to coursework. |   |  |
| 10 | He speaks i   | n a manne                | r that feels condescending to what seems like many students, but claims that any derived negative tone is unintentional.  |   |  |
|    | Said the fire   | t test was               | multiple choice, but this was incorrect as he mistook us for another class.   |   |  |
|    |   |                          | much work he has and how difficult life is for him currently and understandingly and reasonably uses this to justify some errors or hang-ups. The ends to him is not returned and he seems to be not interested in student's understanding of the course.   | Q |  |

| 11 | Perhaps teach the lesson first rather than going into problems. Concepts like limits should be explained in detail. I think trying to focus on jus the math topics will help him not fall behind or we could have used the time to go in depth about the topic.   | Q        |
|----|---|----------|
| 12 | Nothing.  | Q        |
| 13 | My instructor was fairly difficult. He was very low energy and he even outright said a handful of times that he didn't plan on being a math teacher, it really seemed like he wanted to be anywhere but teaching math. I understand he was in a stressful position and this may not all be on him, but that is my honest interpretation of the course. It is hard to learn when the teacher doesn't want to teach.  One extremely frustrating thing was that he boasted that he is open to receiving questions and criticism in the lectures, but would turn tail and become almost defensive sometimes. He would speak to some students in a very pretentious manner and from a spectator's view it was very cringe-inducing and as his student was very intimidating. Some of these interactions could be brushed off as humorous and joking, which is fine, but other times these interactions were outright rude.   | Q        |
| 14 | Just to not go on tangents.   | Q        |
| 15 | It's difficult to understand what exactly is being done in the class. There doesn't seem to be much organization and the professor is sort of just remembering the topics off the top of his head. The only reason I could understand some of the stuff was because I took calculus 1 last year. I suggest the lectures to have more organized notes to write and to go over more homework problems in class.   | Q        |
| 16 | Instead of flying through problems on the white board, going at a pace that is more understandable for everyone in the lecture would be helpful, and then gradually get faster.   | Q        |
| 17 | I would have liked some more clarity on the grades behind exam 1 but other than that, I really have no complaints.  | Q        |
| 18 | I think that he stretched himself too thin by picking up too many courses, so it was hard to not feel neglected as the class he hasn't taught in a while, and the only material to reference were ASU resources, and recordings of past lectures, which didn't always help to increase understanding. I think that if you were to make videos like you had for your Diff-eq class for the Calc 1 class I think that it would be much better off. While Piazza is helpful for seeing your feedback for everyone, it can also at times be very difficult to interpret the written feedback, so perhaps some variation in your feedback with a potential verbal explanation could be beneficial for everyone.  | Q        |
| 19 | I think his class would have been more effective with more audience engagement.   | Q        |
| 20 | I really disliked how the homework he assigned was very rarely similar to the exams. I found more help learning from past exams from other classes and online learning through khan academy compared to being in his class. Several of the lesson days were hardly planned out. He canceled both review sessions right before the final and gave no other advice than to check out tutoring centers or to study harder. He was also extremely slow to respond to emails. He did respond to piazza fairely quickly but that was only on the week days and afternoons. When the entire class failed the first exam he offered no curve, extra credit, or any other way to redeem the grade. This turned the class from learning the material to how do I pass this class. One way to improve the class would be to have a better review of the exam and to assign homework that is more similar to the actual problems on the exam. Another way to improve the class would be to offer extra credit or a way to redeem the scores after the exam especially if the class average is a 62 on the exam. | <b>Q</b> |
| 21 | I have mentioned that in the previous page. I suggest the professor is given less classes to teach so he isn't so stressed, tired and annoyed half the time.  | Q        |
| 22 | I felt like it was all up to me which to an extent is true but for a student that actually did work and put into a situation where I'm taking tests that weren't correctly explained to me, sucks.  | Q        |
| 23 | I don't like the way he taught, particularly. He would turn off onto random rants during a lecture and it was difficult to follow which section was being lectured on in the book. He also didn't give much time to explain and let me write down the entire practice problem. He was very busy with other classes and would complain how tired he was of answering students' questions. I felt as though he was difficult to approach with a question during zoom. I would feel embarrassed for people that would ask questions because he would sometimes make a rude remark if he thought the question was arbitrary or not worth his time.  | Q        |
| 24 | I do not believe Professor England is used to teaching Calculus 1 because he blew over the explanations of the concepts like they were nothing and gave extremely difficult examples and homework problems when we just started to learn a topic. This made the course very difficult and resulted in me watching the provided extra topic videos and youtube videos to learn the topics better.  | Q        |
| 25 | I disliked that some steps were skipped in solving problems. It made it hard at times to follow the work.   | Q        |
| 26 | I disliked how the lectures were very "wordy". Instead of going over the concept from a different perspective, I feel I would learn better when the instructor reiterates the lecture videos briefly and we continue to practice problems.  | Q        |
| 27 | I did not dislike anything about the instructor or method of instruction. I do not have any suggestions to improve instruction.   | Q        |
| 28 | I did not like the method of his instruction at all. Every class was just him giving examples without really going over exactly what we were doing and how everything works. He just expects us to know what he is doing. His idea of making us understand the topics better was just giving more "complex" problems which just made everything more confusing. He didn't really have a good understanding of what students wanted, he would always make an excuse for the people complaining saying that "his teaching method wasn't for them." He could not take criticism that could possibly help him improve his way of teaching.  | Q        |
| 29 | I did not like how it was up to us students to learn the concepts outside of class for the most part and then come to class and do practice problems.   | Q        |
| 30 | Here and there, he seems to throw a concept at you and immediately understand it, but this is not often.  | Q        |
| 31 | He was overworked and always tire. Maybe don't pick to work 6 courses.  | Q        |
| 32 | He taught too fast so for a concept as advanced as calculus it was hard to not get behind. There was no structure to his classes so we could be learning one thing one minute and be learning something completely new the next. Just give more structure and slow down, he was also condescending at some points.  | Q        |
| 33 | He is unorganized and disrespectful to students. He does not teach the course material well at all and expects that all students understand a concept after one example.  | Q        |
| 34 | He is disrespectful and rude. He doesn't teach the subject well.  | Q        |

| 35 | He is a very compressive professor. I don't have any problem with the professor although this course a little challenging.  | Q |
|----|---|---|
| 36 | Everything see first response   | Q |
| 37 | Course modules and homework did not line up at all. This is a nightmare because we "don't need the book" and everything is in the lecture, written on a small ephemeral whiteboard that he stands in front of. It seems that he purposefully does not provide materials as per his syllabus, for what reason I have no idea because again we "don't need the book." Homework is all over the place, with very advanced problem sets that stump multiple tutors online and in person. Relevance to exams is questionable. Weight of certain topics is illogical, for example having more L'Hospitals rule questions which were some of the last things to be practiced just before exam 2. Lectures not easily reference-able and hard to find general relevance for anything other than very specific problem sets. Potentially very helpful that he goes over webwork questions. However this teacher is the least professional I've ever studied under and has inferiority issues. Takes requests and emails and questions very personally and sometimes very out of context to the point of absurdity. Always asserts that things have been "talked about" or are in the announcements, but this is only partly true and these things are easy to miss given the lack of redundancy that teachers of his teaching experience know to anticipate. Seems strange that a teacher would not anticipate questions, silly or otherwise, and would spend minutes upon minutes on the subject. |   |
|    | There was potential for compliments on his attentiveness to his homework forum but he was extremely vague and deflective on a question that got a lot of traffic and this was his opportunity to prove why people should use it more.   |   |
|    | Professor will also digress to the point of absurdity even ignoring attempts to politely cut in to ask a different question or to redirect.   | 0 |
|    | It seems like this kind of criticism will not be taken seriously as these things have been visibly noted by other students and he has been teaching for years.  |   |
| 38 | Could be better at focusing some of his hw assignments on the topic we are learning.  | Q |
| 39 | Class is very disorangized I felt. I wish that lecture slides on powerpoint or something like that would be posted. There's no structure to class. We just do practice problems all the time. I was also extremely frustrated when a curve was given for the first test since a majority of the class did bad, but then the curve was taken away??? It did not make any sense to me and with the curve many of us would have had better grades and less stress when it came to failing or passing the class.  | Q |