University of Louisiana at Lafayette
Office of Institutional Assessment

Spring 2017 - Student Evaluation of Instruction Results

MCHE201-001 (43315.201740)

Dear Joshua E Vaughan:

The attached report contains SEI results for: MCHE201-001 (43315.201740)

The evaluation and results are divided into the following question groups:
- Student reported demographic information
- "Thinking about the overall course listed above, please complete the following:"
- "Thinking about the instructor listed above, please complete the following:"
- "Please rate the usefulness in this course the following instructional activities."
- "Please rate the usefulness in this course the following activities and resources."
- The Profile displays the responses of this survey in a graphical presentation.
- A compiled list of all open-ended comments submitted for this course.

For each question, the number of students(n) who responded, the average or mean(av), the median(md), and standard deviation(dev) are displayed.

If you have any questions, please contact Melissa Lewis at courseevaluation@louisiana.edu or 482-6974.

Ellen D. Cook,Ed.D., CPA, CGMA
Assistant Vice President
Academic Affairs, Academic Resources

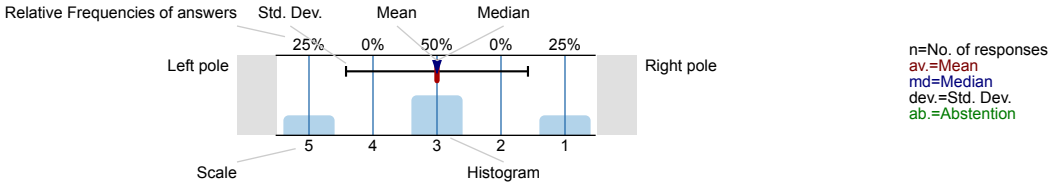
Joshua E Vaughan

Spring 2017
MCHE201-001
No. of responses = 62
Response Rate: 82.7%

Survey Results

Legend

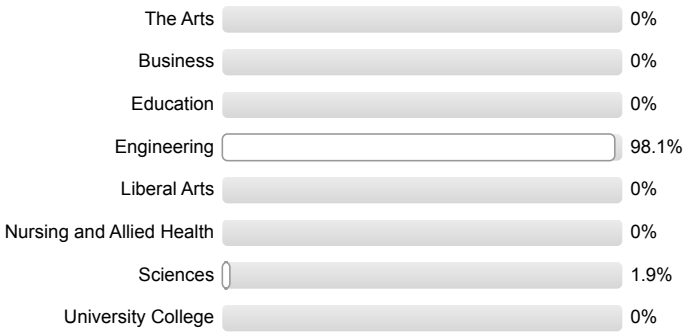
Question text



About the Student:

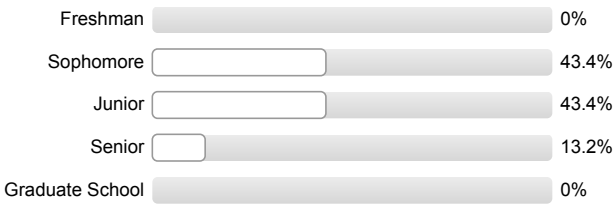
What is the college of your major?

n=53



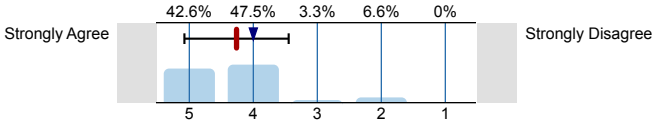
What is your classification?

n=53



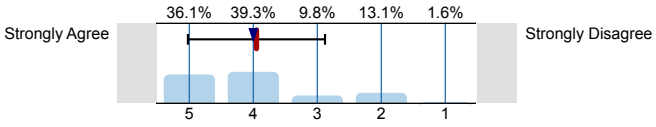
Thinking about the **overall course** [SURVEY], please complete the following questions.

The course learning outcomes and objectives were made clear at the beginning of the course.



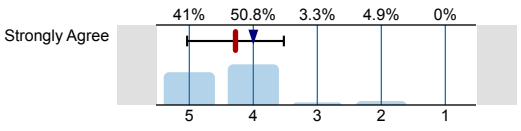
n=61
av.=4.3
md=4
dev.=0.8

Sufficient instructions on assignments, projects, and/or exams were clearly communicated.



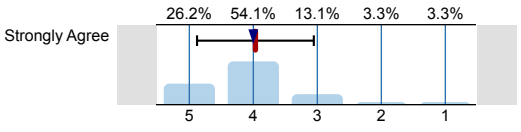
n=61
av.=4
md=4
dev.=1.1

Assignments, projects, and exams were relevant to the course learning outcomes and objectives.



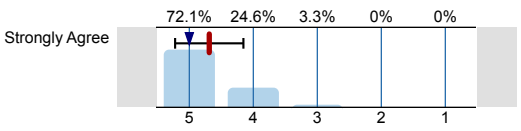
n=61
av.=4.3
md=4
dev.=0.8

The format/design of this course was conducive to learning.



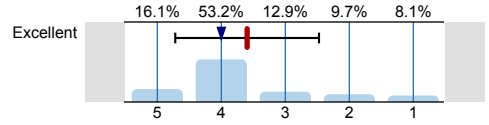
n=61
av.=4
md=4
dev.=0.9

This course was challenging.



n=61
av.=4.7
md=5
dev.=0.5

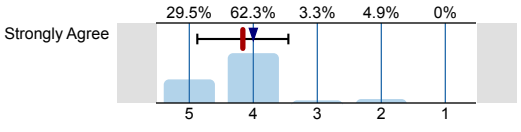
Overall, I would rate this **course** as:



n=62
av.=3.6
md=4
dev.=1.1

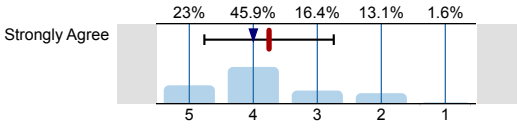
Thinking about the **instructor** [AUTHOR], please complete the following questions.

Made appropriate use of illustrations, demonstrations, examples, and/or required materials.



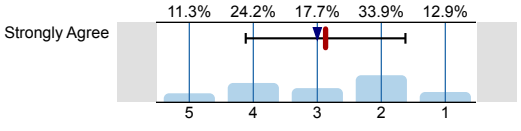
n=61
av.=4.2
md=4
dev.=0.7

Explained subject matter in a way that I could understand.



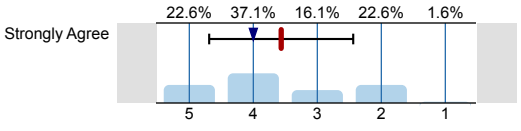
n=61
av.=3.8
md=4
dev.=1

Provided **prompt** feedback on completed projects, assignments, and tests.



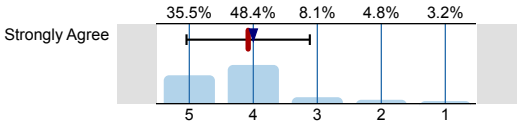
n=62
av.=2.9
md=3
dev.=1.2

Provided **helpful** feedback on completed projects, assignments, and tests.



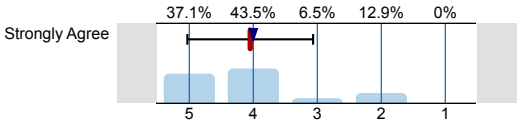
n=62
av.=3.6
md=4
dev.=1.1

Created an atmosphere where ideas could be exchanged freely and easily.



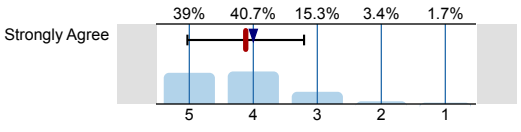
n=62
av.=4.1
md=4
dev.=1

Communicated clearly.



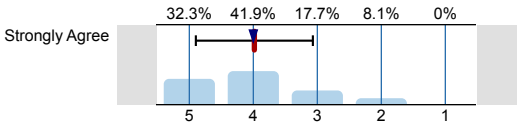
n=62
av.=4
md=4
dev.=1

Was available for scheduled appointments.



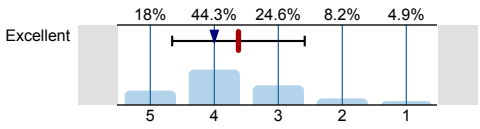
n=59
av.=4.1
md=4
dev.=0.9
ab.=3

Was respectful to students.



n=62
av.=4
md=4
dev.=0.9

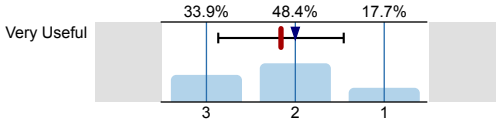
Overall, I rate this **instructor** as:



n=61
av.=3.6
md=4
dev.=1

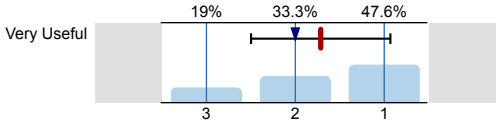
Please rate the usefulness in this course of the following **instructional activities**:

Lectures



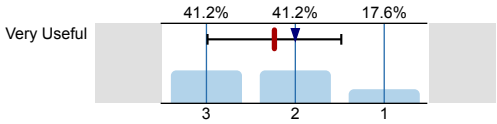
n=62
av.=2.2
md=2
dev.=0.7

Library



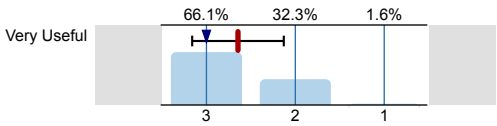
n=21
av.=1.7
md=2
dev.=0.8
ab.=41

Moodle



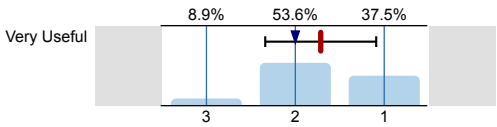
n=17
av.=2.2
md=2
dev.=0.8
ab.=45

PowerPoint Presentation



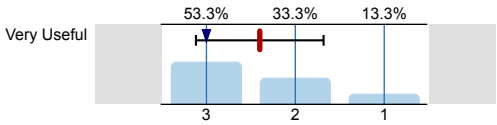
n=62
av.=2.6
md=3
dev.=0.5

Required Textbook



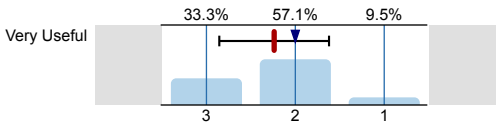
n=56
av.=1.7
md=2
dev.=0.6
ab.=6

Syllabus



n=60
av.=2.4
md=3
dev.=0.7
ab.=2

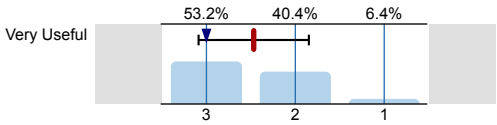
Video Presentation



n=42
av.=2.2
md=2
dev.=0.6
ab.=19

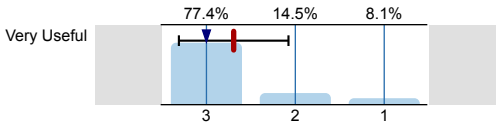
Please rate the usefulness in this course of the following **activities and resources**.

Field Experience



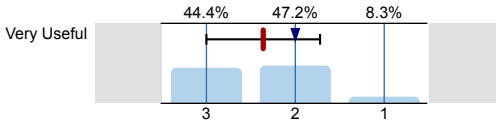
n=47
av.=2.5
md=3
dev.=0.6
ab.=15

Group Projects



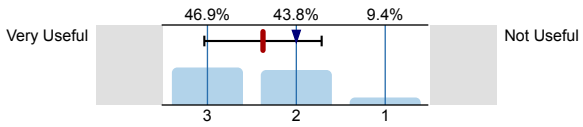
n=62
av.=2.7
md=3
dev.=0.6

Research Projects



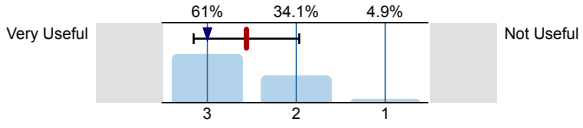
n=36
av.=2.4
md=2
dev.=0.6
ab.=26

Simulation



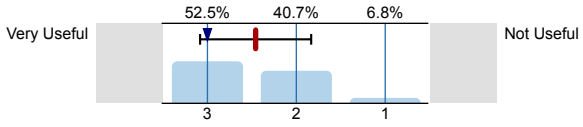
n=32
av.=2.4
md=2
dev.=0.7
ab.=29

Specific Course Software



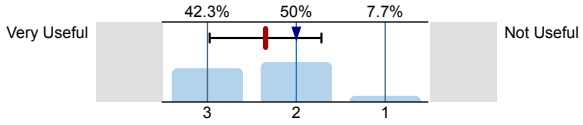
n=41
av.=2.6
md=3
dev.=0.6
ab.=20

Student Presentation



n=59
av.=2.5
md=3
dev.=0.6
ab.=3

Studio Projects



n=26
av.=2.3
md=2
dev.=0.6
ab.=35

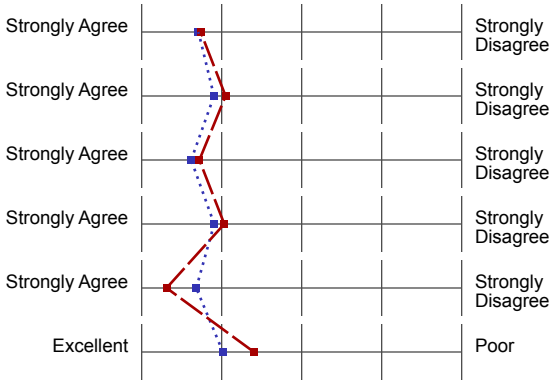
Profile

Subunit: (MCHE) - Mechanical Engineering
Name of the instructor: Joshua E Vaughan
Name of the course: (Name of the survey) MCHE201-001 (43315.201740)

Comparative line: College of Enineering - Spring 2017

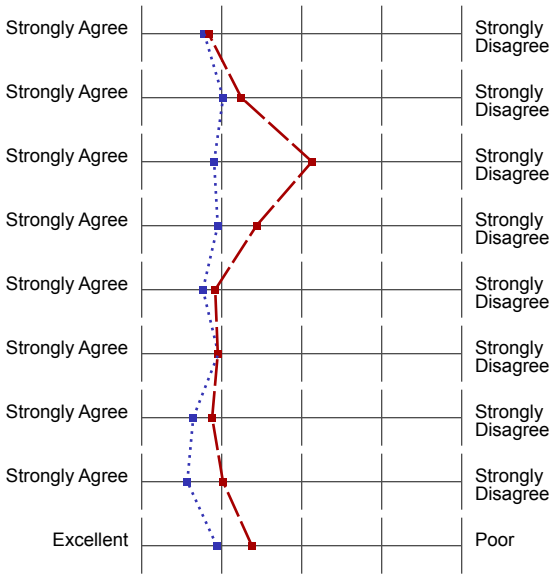
Values used in the profile line: Mean

Thinking about the **overall course** [SURVEY], please complete the following questions.



The course learning outcomes and objectives were made clear at the beginning of the course.	Strongly Agree	Strongly Disagree	n=61 av.=4.3 md=4.0 dev.=0.8 n=2107 av.=4.3 md=5.0 dev.=1.0
Sufficient instructions on assignments, projects, and/or exams were clearly communicated.	Strongly Agree	Strongly Disagree	n=61 av.=4.0 md=4.0 dev.=1.1 n=2099 av.=4.1 md=4.0 dev.=1.1
Assignments, projects, and exams were relevant to the course learning outcomes and objectives.	Strongly Agree	Strongly Disagree	n=61 av.=4.3 md=4.0 dev.=0.8 n=2095 av.=4.4 md=5.0 dev.=0.9
The format/design of this course was conducive to learning.	Strongly Agree	Strongly Disagree	n=61 av.=4.0 md=4.0 dev.=0.9 n=2098 av.=4.1 md=4.0 dev.=1.1
This course was challenging.	Strongly Agree	Strongly Disagree	n=61 av.=4.7 md=5.0 dev.=0.5 n=2084 av.=4.3 md=5.0 dev.=0.9
Overall, I would rate this **course** as:	Excellent	Poor	n=62 av.=3.6 md=4.0 dev.=1.1 n=2105 av.=4.0 md=4.0 dev.=1.2

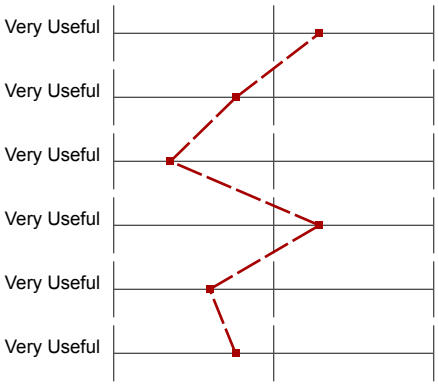
Thinking about the **instructor** [AUTHOR], please complete the following questions.



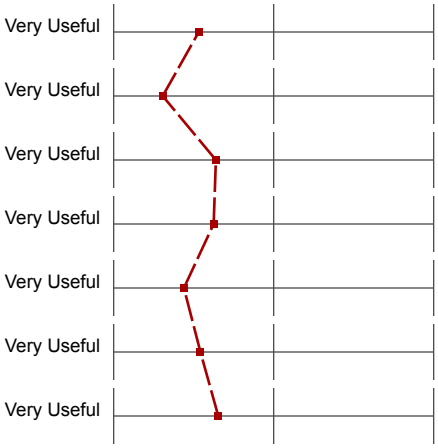
Made appropriate use of illustrations, demonstrations, examples, and/or required materials.	Strongly Agree	Strongly Disagree	n=61 av.=4.2 md=4.0 dev.=0.7 n=2091 av.=4.2 md=5.0 dev.=1.0
Explained subject matter in a way that I could understand.	Strongly Agree	Strongly Disagree	n=61 av.=3.8 md=4.0 dev.=1.0 n=2088 av.=4.0 md=4.0 dev.=1.2
Provided **prompt** feedback on completed projects, assignments, and tests.	Strongly Agree	Strongly Disagree	n=62 av.=2.9 md=3.0 dev.=1.2 n=2085 av.=4.1 md=4.0 dev.=1.2
Provided **helpful** feedback on completed projects, assignments, and tests.	Strongly Agree	Strongly Disagree	n=62 av.=3.6 md=4.0 dev.=1.1 n=2083 av.=4.0 md=4.0 dev.=1.2
Created an atmosphere where ideas could be exchanged freely and easily.	Strongly Agree	Strongly Disagree	n=62 av.=4.1 md=4.0 dev.=1.0 n=2094 av.=4.2 md=5.0 dev.=1.0
Communicated clearly.	Strongly Agree	Strongly Disagree	n=62 av.=4.0 md=4.0 dev.=1.0 n=2098 av.=4.0 md=4.0 dev.=1.2
Was available for scheduled appointments.	Strongly Agree	Strongly Disagree	n=59 av.=4.1 md=4.0 dev.=0.9 n=1911 av.=4.4 md=5.0 dev.=0.9
Was respectful to students.	Strongly Agree	Strongly Disagree	n=62 av.=4.0 md=4.0 dev.=0.9 n=2091 av.=4.4 md=5.0 dev.=0.9
Overall, I rate this **instructor** as:	Excellent	Poor	n=61 av.=3.6 md=4.0 dev.=1.0 n=2097 av.=4.1 md=4.0 dev.=1.2

Please rate the usefulness in this course of the following **instructional activities**:

Lectures	Very Useful	Not Useful	n=62 av.=2.2 md=2.0 dev.=0.7



Please rate the usefulness in this course of the following **activities and resources**.



Comments Report

Thinking about the **overall course** **[SURVEY]**, please complete the following questions.

Please provide any comments about the course in the space below, including ways to improve instruction.

- Although there was more work than necessary, the course was laid out well.
- Although this course was honestly a pain in my butt and so much work, I feel like I learned so much about time management, how to use power tools, how to work with a group when you no longer can just do projects alone, and how to write in a scientific way. I honestly would take this class over if I could and win the robot competition next time.
- Class is too demanding, too much work is assigned while other work is still in progress. Grading is based far too much on end results without any consideration for the amount of time and effort spent.
- Designing and building aspect of the class was great. The final tournament was awesome and really intense. I think one way to make the class better and more enjoyable to to give a little but more time for assignments. When you are trying to cram, sometimes the best ideas don't surface.
- Good challenging class, though i think one of the smaller project could be tossed out. The class has too much going on already so it would be best, in my opinion, if there was one less group project to worry about.
- Lighten the work load maybe. Fell behind in other classes trying to keep up with the projects in this class. A lot of late nights because of this class.
- None.
- Overall, the most notable thing about this class was that it was an overwhelming amount of work. I wouldn't say I like or hate the class, but I would say that I didn't enjoy it for the following reasons: (1) My randomized group members hardly contributed to any of the assignments. (2) It was not fun to take this class while taking Mechanics of Materials. (3) It was difficult to write a "good" report while taking other classes. (4) I've probably never worked harder in a class to receive a grade I'm not satisfied with. Now, I don't say this to complain or express any negativity about the course. It's more or less about the frustration and stress this class caused me. I honestly did my best in this class, and plenty of obstacles got in the way of displaying excellent performance from me. I time managed throughout the entire course and put a lot of energy into whatever I was working on. But what can you do when your group members don't meet their end of the deal? I do take responsibility for my grades, however, as I don't feel robbed of any sort of righteousness or anything like that during the grading process, but to sum it up, this class sucked. I'd sit up all night writing reports, completing problem-understanding tools, and building and programming a robot all by myself. I don't think I'm exaggerating when I say I've had to do the work of three people the entire semester, and it made me miserable. I'm fully capable of writing an "A" report for this class, but not when no one helps. I get the lesson though...learn to work with others...you can't choose your coworkers...etc. My only hope is that my future coworkers are hired because they are hardworking people, willing to put in the same amount of effort as I did for every assignment in this class. If I have to work with people like those who ended up in my groups, then, I'm fucking screwed.
- Simply not enough time to complete the course assignments and succeed in other classes. The insane amount of time required by this class was detrimental to the grades of other classes. Additionally, projects were graded ruthlessly for barely any given feedback despite great amounts of time put into them.
- The amount of work required for this course is tremendously high. The work load for this course far outweighs the amount of credits it is listed for.
- The instructor should take into consideration the time he gives on certain projects. I think the workload can be reduced so it wouldn't affect other classes.
- The workload for the course was far too great and often required taking time away from my other courses.
- This course challenged me to think and really allowed me to understand the capacity that I have to work. Overall this class had made me a better student and was a great introduction to engineering.
- This course requires an enormous amount of time outside of the lecture period.
- This is a very tough and time-consuming course. Would not recommend taking more than 15 hours with this course as it will consume A LOT of time that would normally be used for other courses.
- Though the instruction was very clear and thorough throughout the course, the amount of work involved in each project is just unreasonable. This was easily one of the most difficult and time consuming classes that I've have taken in college. The points awarded for assignments seem to be inconsequential, the time allotted to complete projects and reports seem to be intentionally short, and by the end, it was difficult to even take the course seriously anymore.

  Overall, I learned a LOT from this course, and did enjoy many things, specifically being the use of group-think, access to widely used software (Arduino), and the emphasis on hands-on learning. However, the sheer amount of work cut into nearly all of my other classes. I learned a lot, and am glad I took this course, but it was surely a miserable process.
- What was expected for the projects in the class wasn't made very clear.

- too demanding on the students

Thinking about the **instructor** [AUTHOR], please complete the following questions.

Please provide any comments about the instructor in the space below, including ways to improve instruction.

- Again, a knowledgeable, available instructor, but his expectations are far too high for a three credit hour course.
- Although I would like to be given back reports a little earlier, overall Dr. Vaughan was very helpful! I did not like getting feedback on homework at 3 am the night before our report was due though because we did not have enough time to go back and change our house of quality
- Dr. Vaughan is very straight-forward in this class, which is very nice for engineering students. However, the pace of the class is very stressful. It felt like he threw a lot more than necessary at us at once towards the end of the semester. He did not give us much to help with the reports we had to do either. I probably learned more in this class than most of my other college classes, but that was because of the fast paced nature that forces you to teach yourself instead of Dr. Vaughan's teaching. He did teach us a good amount of useful material in a very structured format, but most of the learning came from stressing over the projects.
- Dr. Vaughan expected way too much from his students in this course. He assigned projects that takes hours of work each day that only counts for a small portion of your grade and requires you to finish them in only a few days. He disregards the fact that his students have other classes to worry about as well as his. He made this course much harder than it should be.
- Grade the written reports quickly so the students can fix the problems in the following reports.
- He should be more considerate to students
- I liked Dr. Vaughan, despite my thoughts and feelings about the course. I liked what I learned from him. The coolest and most obvious is that he pushed me to build and program a robot. One year ago, I watched the final competition for one of his previous semesters. I knew I'd have to take this class with him in the near future and couldn't help but question how the hell I'm supposed to build and program my own robot for my own competition. One year later, I did it. I did feel like I was somewhat blindly thrown into the assignment, but it made me think and research and learn. Now the problem-understanding tools. I hated those. It was tedious and time-consuming. But I've already managed to apply them to a situation outside of his class (still hating them but understanding their importance). I'm a part-time pharmacy tech, and my boss approached me with questions about gross profit, various medications, and doctors that his pharmacy is partnered with. I won't go into detail about these questions, but I just want Dr. Vaughan to know that I needed a House of Quality to answer these questions and generate an approach to the solution my boss had turned to me for. So thanks Dr. Vaughan! If all goes well, maybe I'll get a pay raise. Dr. Vaughan assigned what felt like a shit-ton of work. While I know he's not a personal favorite to some of my peers, I can't help but want his respect and an equivalent success to his. But I see the work it takes him. I can tell he's had his share of late nights and stress. It's something I already knew you needed in order to get "success", but the class made me actually experience this sort of effort and continuous desire to do well.
- Joshua Vaughan is a great professor. Not the best I've had, but he definitely does his job well and exceeds other professors. His experience in the engineering field definitely helps when specific questions about the actual work engineers do are asked. Definitely helped open my eyes as to what engineers actually do for their jobs beyond "design things and solve problems."
- Overall cool and respectable man. Clearly knows what he is doing. One was to maybe improve approval rating is to give a little slack for tardies and absences. Also, some people are very intimidated by Dr. Vaughan. Maybe joke around and laugh a little more. Other than that, awesome teacher and really cool guy.
- Spend more time on coding.
- This instructor provided the class with entirely too much work due in a short amount of time. On top of that when we did get the work turned in the grading was extremely rough as in grading hard.
- Very intelligent and organized instructor, but expects far too much out of his students and seems to forget that they have other classes as well.
- You do come off as a harda** sometimes but i get where you are coming from. When someone asks you a question that has already been answered or is on the class website, they should know to go look there for an answer.
- expected way too much from the students. i put all my time and effort into this class and my other classes suffered. he has a good idea with what he wants from his students but it is just way too much

Please rate the usefulness in this course of the following **instructional activities**:

Please list any other **instructional activities** used in this course. Indicate each activity as: Very Useful, Somewhat Useful, or Not Useful.

- Class Website: Very Useful
- I loved the lectures. I have had so much trouble paying attention in my classes this semester, but even though I was not even taking notes, I was very attentive in this class. You made the lectures interactive and interesting, which is great considering how long the class is.

- None.
- Robotics kit - very useful

Please rate the usefulness in this course of the following **activities and resources**.

Please list any other **activities and resources** used in this course. Indicate each as: Very Useful, Somewhat Useful, or Not Useful.

- I learned so much about time management and communicating with a group this semester. I learned the hard way that sometimes no matter how hard you work on something, it may not work and that there is a point where you have to settle and just stop working on a project in order to get other necessary things done. Having a robot that worked all semester very well, to pretty much not even moving at the competition was one of the most heartbreaking things I have faced in my college career. That robot became my child and I was not even angry when it did not work just heartbroken and now I kinda want to do it again. It honestly felt like a nightmare and I was going to wake up to competition day. Overall I am proud of my work in this class. I put my heart and honest effort into it and I am proud of our presentation at the competition with the coded music and everything. This class taught me technical communication, how to work in a group, new software, how to use powertools, and most surprisingly built my character. I feel like I really matured this semester and learned how to deal with failure and that sometimes all you can do is all you can do and some unpredictable sucky things happen and you just have to move on.
- None
- Robot building /competition-very useful