



University of Louisiana at
Lafayette

Office of Institutional Research

Student Evaluation of Instruction Results - FA13

Department of Mechanical Engr (MCHE)

Dear Joshua E Vaughan:

This form contains evaluation results for MCHE470-001.

The first section of the report contains student reported demographic information. The second part of the report shows the student responses to the quantitative questions. For each question, the number of students (n) who responded, the average or mean (av.), the median (md), and standard deviation (dev.) are displayed. The third part provides a profile of the student responses to the qualitative section of the evaluation. The report concludes with a compiled list of all student open-ended comments regarding the course.

Please note Adobe Acrobat Reader must be installed on your computer in order to view the files.

If you have any questions, please contact Institutional Research at courseevaluation@louisiana.edu or 482-6863.

Office of Institutional Research

Joshua E Vaughan
MCHE470-001
No. of responses = 15



Overall indicators

Global Index

Please complete the following survey about the course:



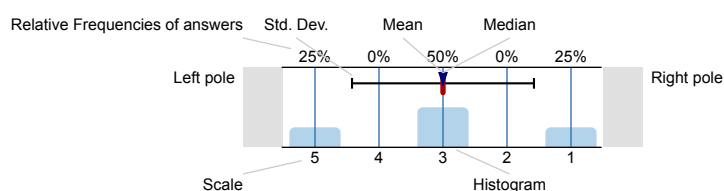
av.=4.2
dev.=1

av.=4.2
dev.=1

Survey Results

Legend

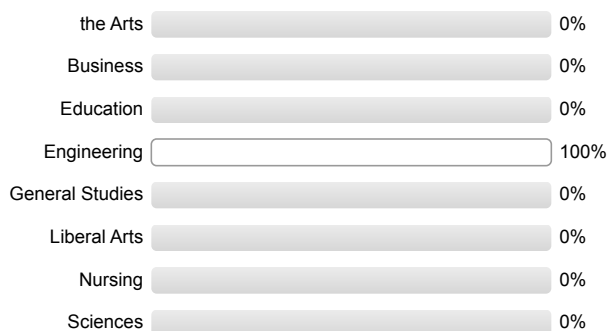
Question text



n=No. of responses
av.=Mean
md=Median
dev.=Std. Dev.
ab.=Abstention

Please complete the following survey about the course:

What is the college of your major?



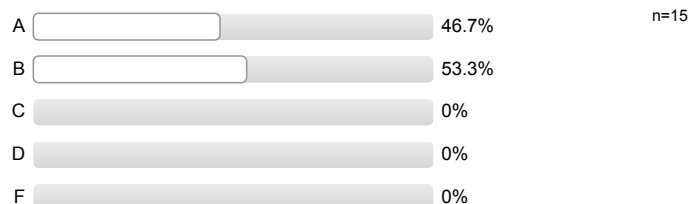
n=15

What is your classification?

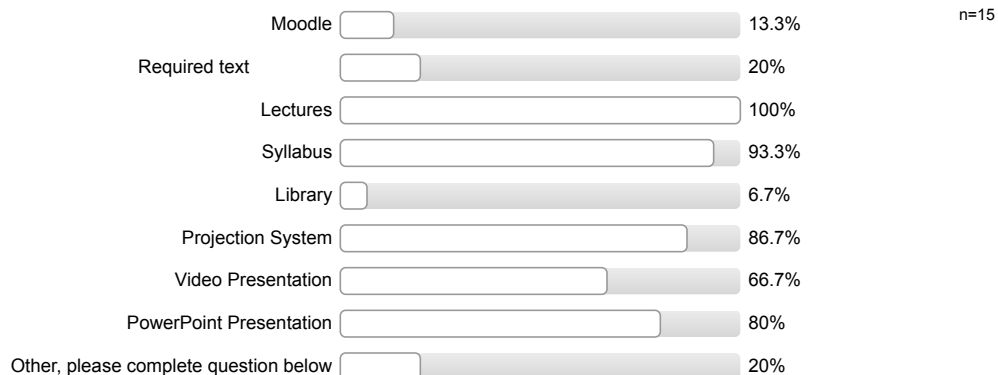


n=15

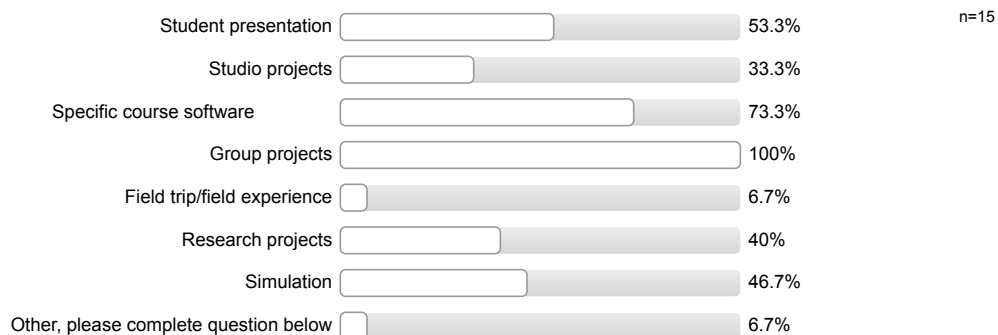
What grade do you expect in this course?



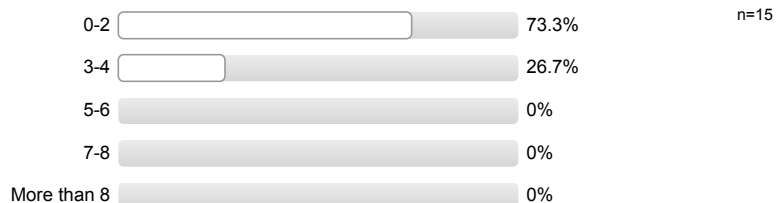
What instructional resources were used in this course? **Check all that apply.**



What activities and resources were required of students? **Check all that apply.**



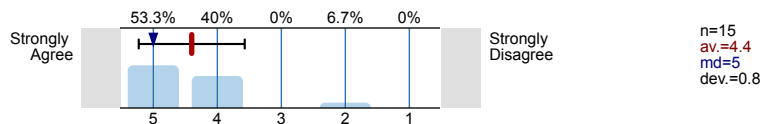
How many classes did you miss?



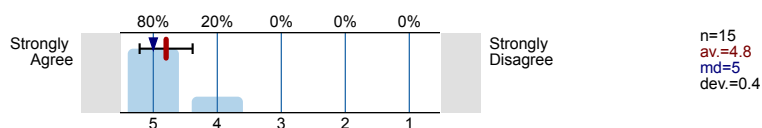
How many hours per week did you spend outside of class preparing for this course?



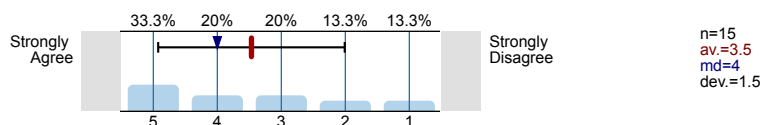
The instructor made appropriate use of illustrations, demonstrations, examples, and/or required materials.



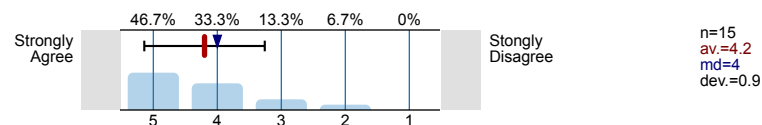
I turned in all required materials on time.



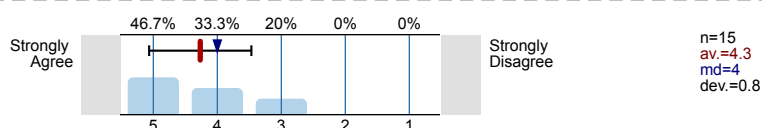
The instructor provided feedback on my performance within a reasonable time.



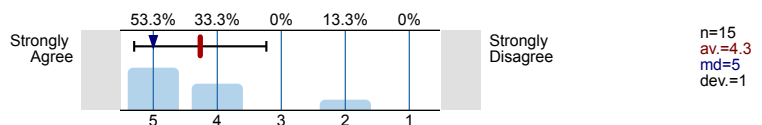
The instructor explained subject matter in a way that I could understand.



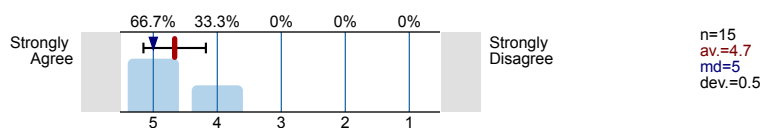
The instructor created an atmosphere where ideas can be exchanged freely and easily.



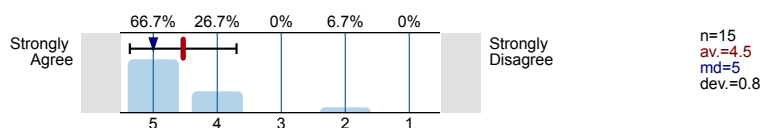
I learned a lot in this course.



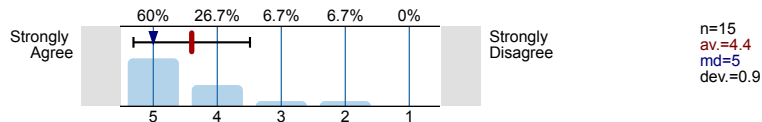
The instructor spoke audibly and clearly.



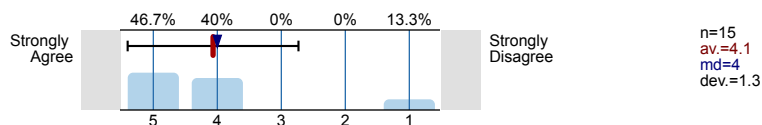
This course challenged me to think.



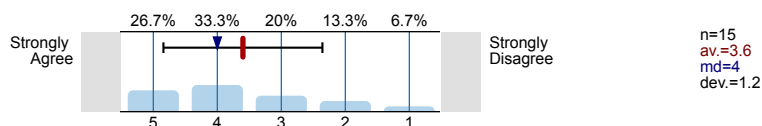
The instructor was available for scheduled appointments outside of class.



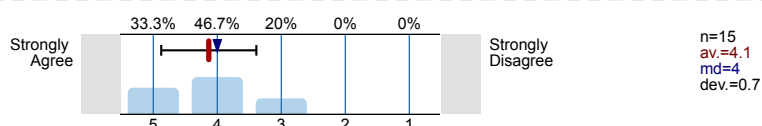
Expectations on assignments, projects, and/or exams were clearly communicated.



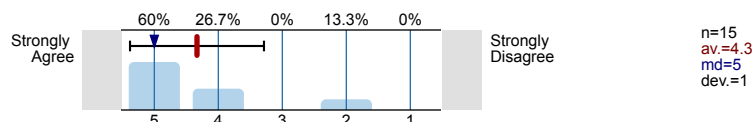
The instructor was respectful to students.



The physical environment (facility) was conducive to learning.



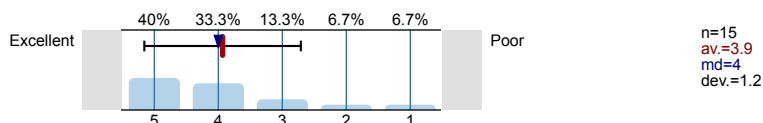
The course resources were useful and appropriate for learning.



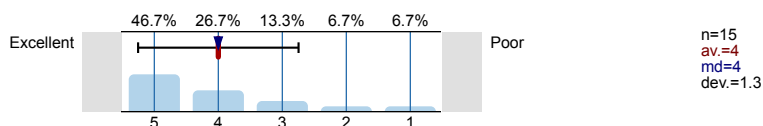
The workload for this course in relation to other courses of equal credit was:



Overall, I would rate this course as:



Overall, I would rate the effectiveness of this instructor as:



Profile

Subunit: Department of Mechanical Engr (MCHE)

Name of the instructor: Joshua E Vaughan

Name of the course:
(Name of the survey) MCHE470-001

Comparative line: Department of Mechanical Engineering Average - FALL 2013

Values used in the profile line: Mean

Please complete the following survey about the course:

The instructor made appropriate use of illustrations, demonstrations, examples, and/or required materials.

I turned in all required materials on time.

The instructor provided feedback on my performance within a reasonable time.

The instructor explained subject matter in a way that I could understand.

The instructor created an atmosphere where ideas can be exchanged freely and easily.

I learned a lot in this course.

The instructor spoke audibly and clearly.

This course challenged me to think.

The instructor was available for scheduled appointments outside of class.

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

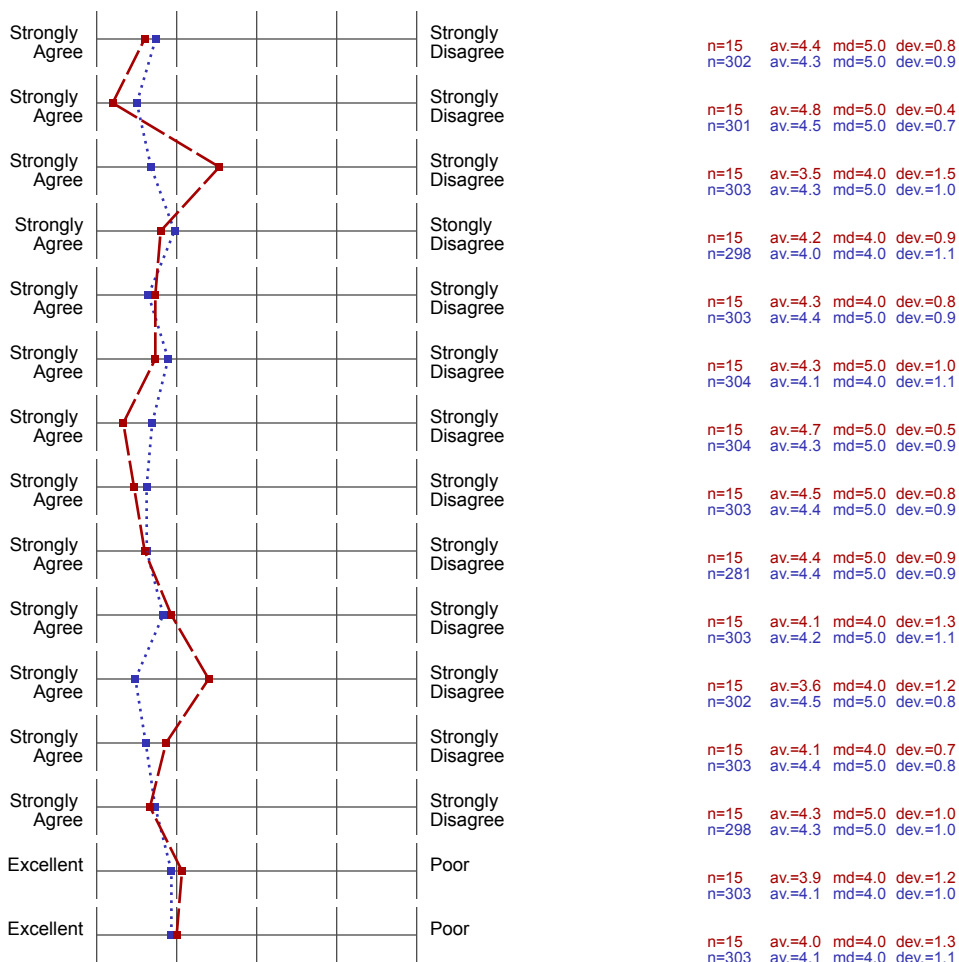
The instructor was respectful to students.

The physical environment (facility) was conducive to learning.

The course resources were useful and appropriate for learning.

Overall, I would rate this course as:

Overall, I would rate the effectiveness of this instructor as:



Comments Report

Please complete the following survey about the course:

If you marked "Other" in the question above, please list the instructional resources used in this course below.

- Robotics Kit
- Website specifically for class
- h drive
- robots

If you marked "Other" in the question above, please list the activities and resources required of students in the space below.

- Robotics Kit

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

- Dr. Vaughan is a great professor, very challenging and very effective. I really learned on how to believe on the tools I am given and work with them.
- Dr. Vaughn is certainly one of the better instructors in the department. He is very well organized and makes his course material and supplemental material easily available on his website. He also create excellent slide shows and notes for his class. He clearly puts in a lot of effort into making his class the best he can.

Dr. Vaughn is very knowledgeable on the subject matter and is enthusiastic about teaching it to his students. This enthusiasm is a great characteristic of a teacher because it helps inspire enthusiasm in the students for the subject matter. This translates into many benefits for the students. We want to do the work, we want to learn, and it just overall increases moral.

The final project gave the students some valuable hands on experience and practical programming experience using the arduino program. Although arduino is not used in industry, the principles of programming remain the same. It also gave us experience in working as a team to complete a project. The project was also fun, which as I stated earlier really helps the morale of the class. I would also like to note that Dr. Vaughn put in a lot of work creating this project and the final event. It must have taken him countless hours to put this together and he deserves recognition for that.

Some suggestions:

Controls and vibrations were not prerequisites for this course and I have not yet taken these courses, however many of my classmates have. This class often used material that was taught in these courses. I felt I was at a significant disadvantage in this Robotics course because I had not taken those classes. Because of this I suggest that the instructor be more aware of the levels of the students.

The final project was an overall success, but I think It could be improved if the students had more time to complete the project. The quality of our builds would have improved and we could have accomplished more of the stated goals of the project. ex: collecting more points with more mechanisms.

- Great information taught in this course, challenged the students well.
- He expects a little too much from his students, and holds them to a standard that almost isn't possible.
- My only comment is that I feel that the final project would turn out much better if teams were chosen and the project was assigned early on in the semester, allowing more time for development and tweaking, maybe having checkpoints during which the vehicle has to perform certain tasks, and this would be aside from the other mini projects. I think this would make for much more advanced bots, and a more exciting competition
- Teacher "does not care" for students, is self-serving, and arrogant. Presenting material effectively is one of his few positive qualities as a teacher.
- The workload for this course is completely ridiculous. I do not understand why students in a Robotics course have to take a final on irrelevant information after they have BUILT A ROBOT! Wouldn't that be considered proof enough that we learned something?
- Very good class. I was really pushed to do my best and it resulted in work that I did not think I was capable of. The instructor was very helpful and offered said help in a way that challenges the student to think for themselves to find the answer. I've learned many skills in programming and design which I'm very thankful for and am excited to use in the future in real life applications.