

Individual Instructor Report for PHYS 220.01 - Engineering Physics I - 20035-201920 James Drachenberg

Project Title: **Student Opinion of Instruction Spring 2019**

Courses Audience: **30**

Responses Received: **14**

Response Ratio: **46.7%**

Report Comments

Course evaluations are a good tool you can use to adapt your course and teaching styles and methods to be as effective as possible in future classes. They're also an important element of your annual evaluations and tenure and promotion processes. We encourage you to save each report each semester for your reference.

Uploading the reports in your Scheduled Teaching listings in Activity Insight can be a good place to keep track of them.

If you have technical problems accessing a report, please contact Educational Technology at courseeval@acu.edu. If you would like help interpreting your results or looking for teaching techniques to respond to this feedback, please contact Cliff Barbarick, the director of faculty development in the Adams Center, at cab11c@acu.edu.

Creation Date: **Thursday, May 16, 2019**

Course Questions:

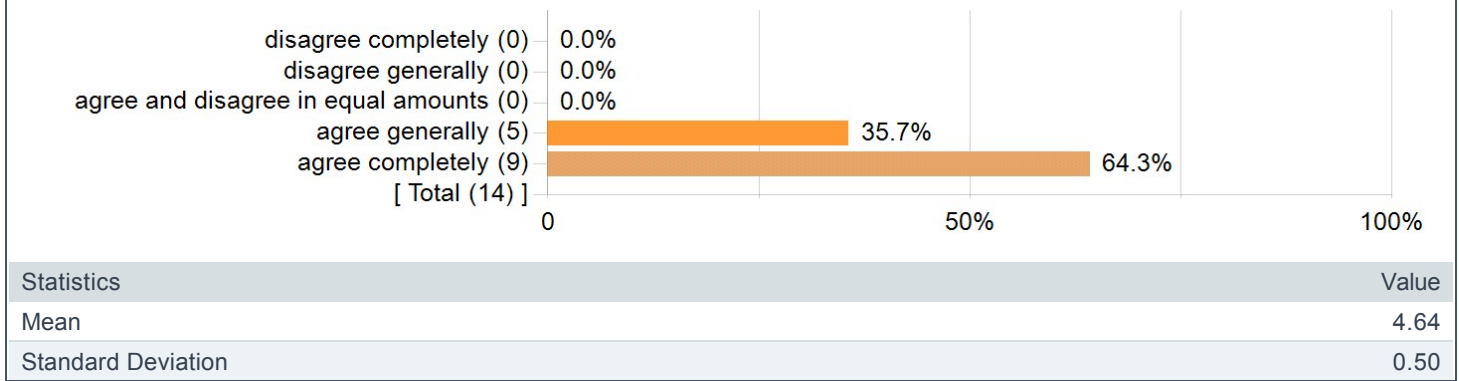
	Mean	Count	%(1)	%(2)	%(3)	%(4)	%(5)
As a result of this course experience, I have a better understanding of the subject matter.	4.64	14	0.0%	0.0%	0.0%	35.7%	64.3%
My experience in this course reflected ACU's mission to educate students for Christian service and leadership throughout the world.	4.57	14	0.0%	0.0%	7.1%	28.6%	64.3%

Instructor Questions:

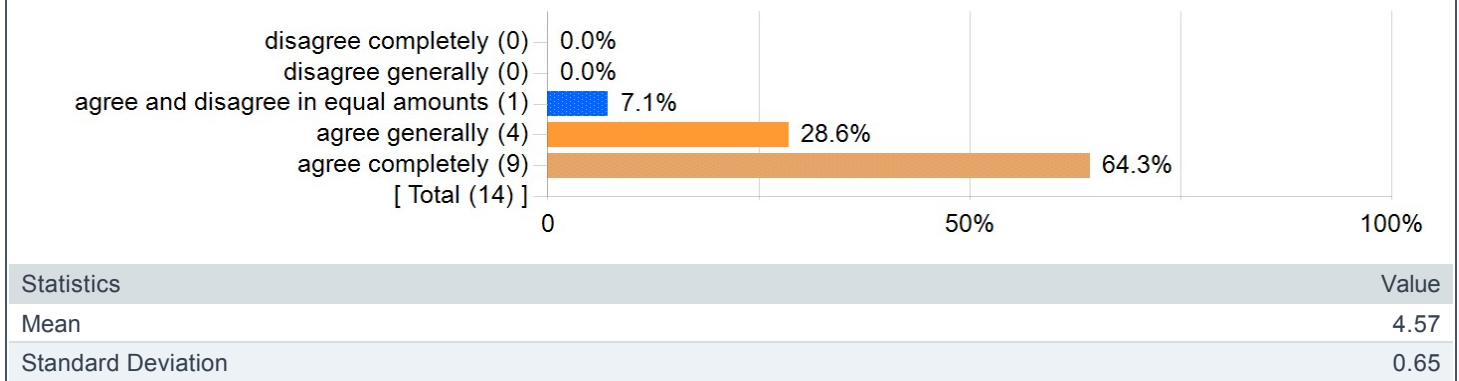
	Mean	Count	%(1)	%(2)	%(3)	%(4)	%(5)
The instructor communicated the course material clearly.	4.43	14	0.0%	0.0%	7.1%	42.9%	50.0%
The instructor showed a genuine interest in the subject and a desire to share it with the students.	4.86	14	0.0%	0.0%	0.0%	14.3%	85.7%
The instructor was well prepared for class.	4.93	14	0.0%	0.0%	0.0%	7.1%	92.9%
The instructor graded assignments and/or exams in a timely manner.	4.57	14	0.0%	0.0%	7.1%	28.6%	64.3%
The instructor created a hospitable environment for learning.	4.79	14	0.0%	0.0%	0.0%	21.4%	78.6%
The instructor treated me with respect and fairness.	4.86	14	0.0%	0.0%	0.0%	14.3%	85.7%
The instructor was receptive and responsive to my questions and concerns.	4.93	14	0.0%	0.0%	0.0%	7.1%	92.9%

Course Questions:

1. As a result of this course experience, I have a better understanding of the subject matter.



2. My experience in this course reflected ACU's mission to educate students for Christian service and leadership throughout the world.



As a result of this course experience, I have a better understanding of the subject matter.

Comment

- Very hard, and I definitely don't understand it completely, but I understand it a lot more than I did before taking it.

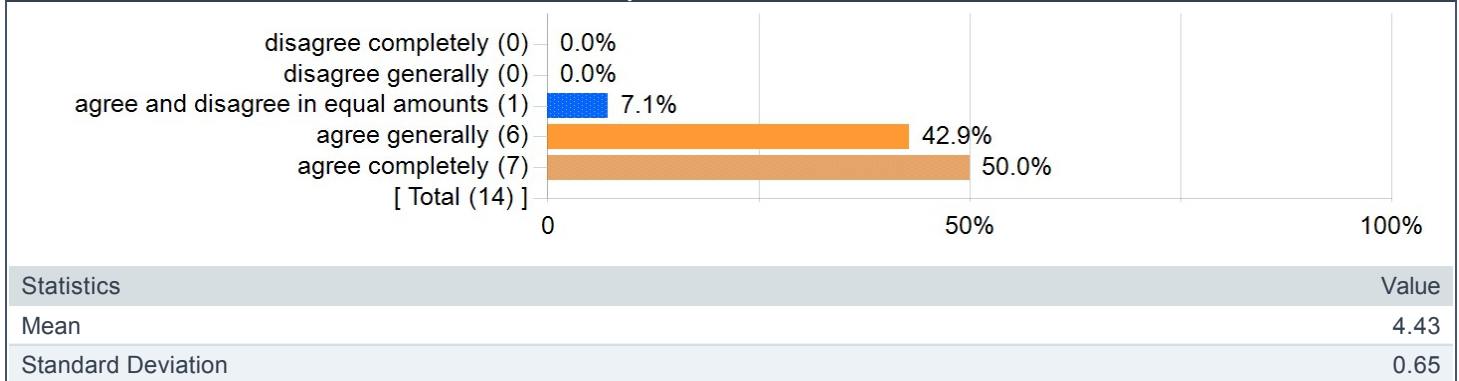
My experience in this course reflected ACU's mission to educate students for Christian service and leadership throughout the world.

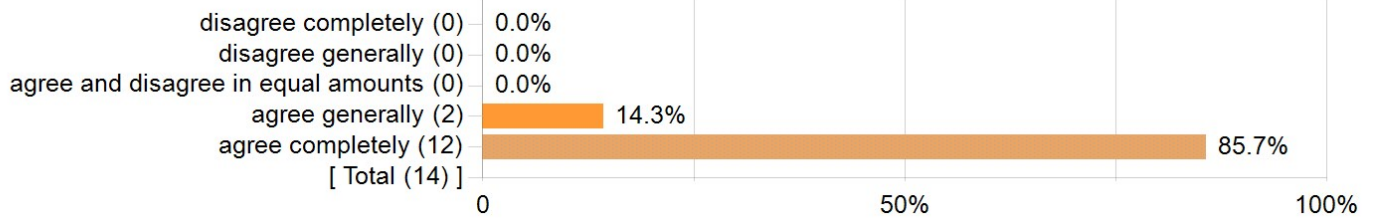
Comment

- He presented a Bible verse at the beginning of each class, which was good because it grounded me and helped me not stress out.

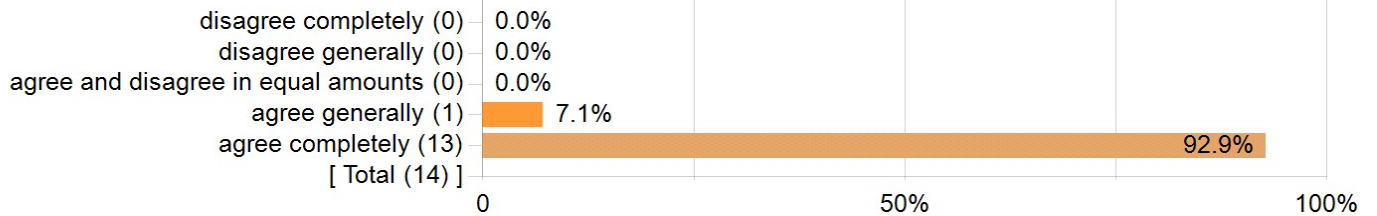
Instructor Questions:

1. The instructor communicated the course material clearly.

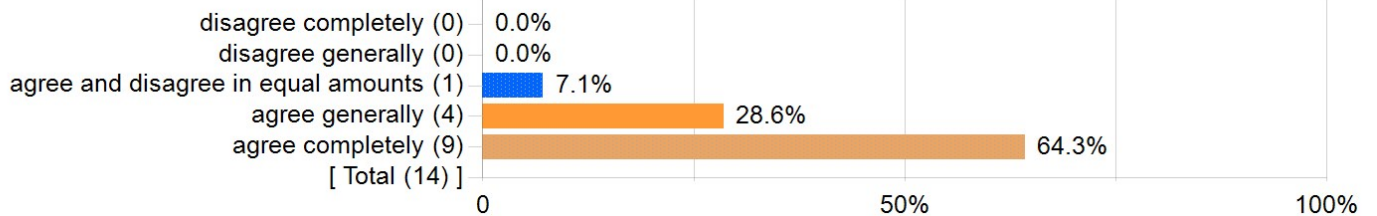


2. The instructor showed a genuine interest in the subject and a desire to share it with the students.

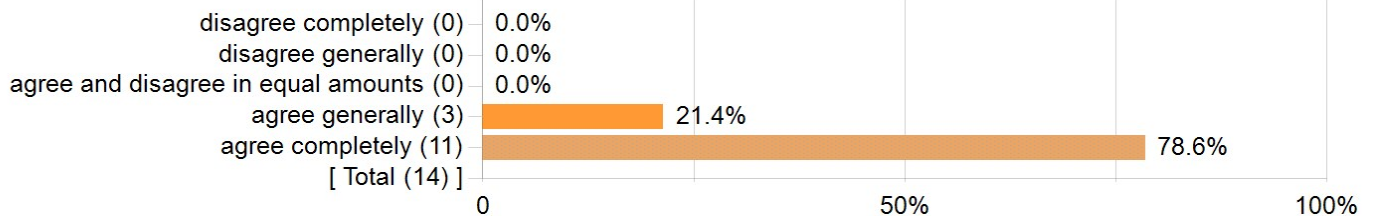
Statistics	Value
Mean	4.86
Standard Deviation	0.36

3. The instructor was well prepared for class.

Statistics	Value
Mean	4.93
Standard Deviation	0.27

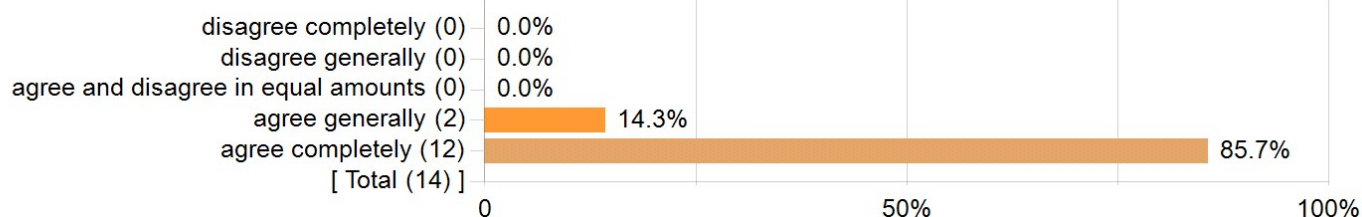
4. The instructor graded assignments and/or exams in a timely manner.

Statistics	Value
Mean	4.57
Standard Deviation	0.65

5. The instructor created a hospitable environment for learning.

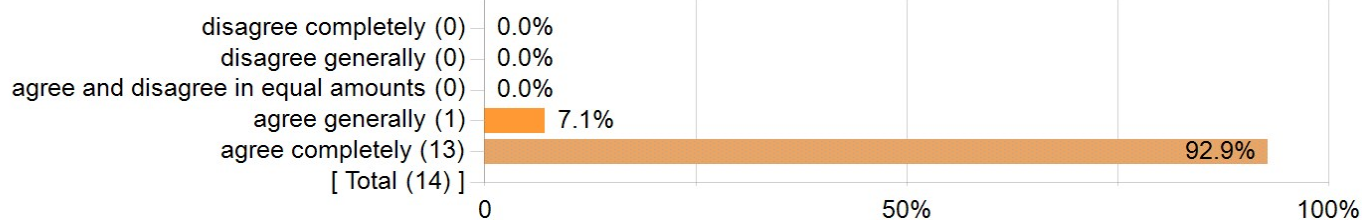
Statistics	Value
Mean	4.79
Standard Deviation	0.43

6. The instructor treated me with respect and fairness.



Statistics	Value
Mean	4.86
Standard Deviation	0.36

7. The instructor was receptive and responsive to my questions and concerns.



Statistics	Value
Mean	4.93
Standard Deviation	0.27

The instructor communicated the course material clearly.

Comment

-

The instructor showed a genuine interest in the subject and a desire to share it with the students.

Comment

- He really cares about what he teaches.

The instructor was well prepared for class.

Comment

- We had a lot of very difficult and sometimes unnecessary questions, and he was very gracious and tried really hard to answer them to the best of his ability.

The instructor graded assignments and/or exams in a timely manner.

Comment

- Exams were returned so quickly! But I'm still unsure as to my grades for some homework assignments

- The test were but not the hw

The instructor created a hospitable environment for learning.

Comment

- Very welcoming for questions and always had an open door.

The instructor treated me with respect and fairness.

Comment

- Very kind.

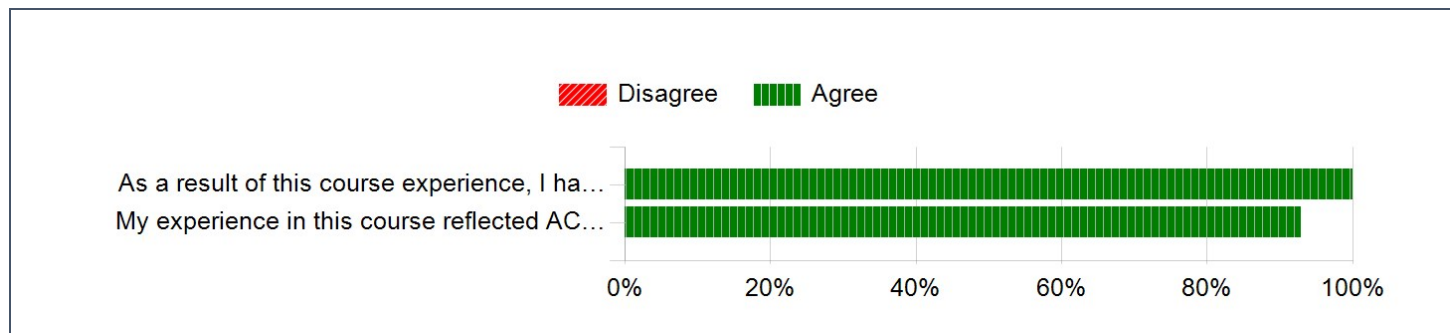
The instructor was receptive and responsive to my questions and concerns.

Comment

- He was absolutely awesome whenever you talk to him

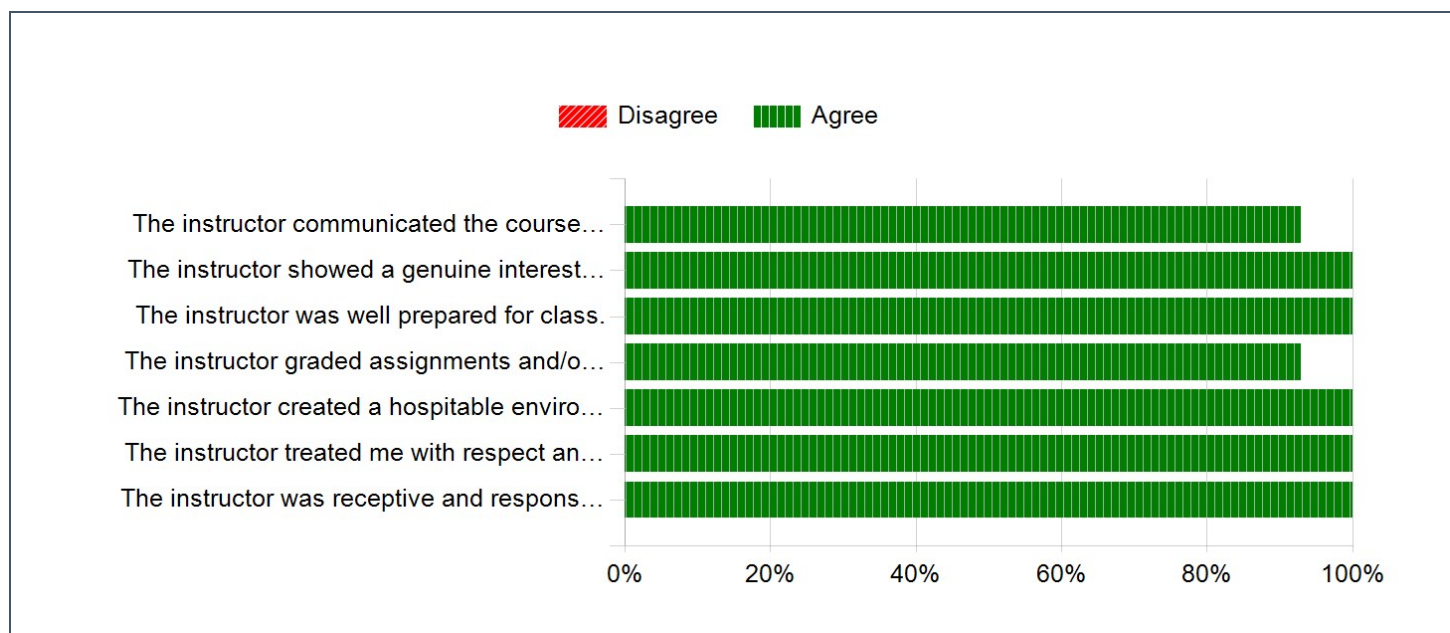
Course Questions: - Aggregate Chart

Note that in the following aggregate chart "Agree Completely" and "Agree" have been grouped together as "Agree" while "Disagree Completely" and "Disagree" have been grouped together as "Disagree" and "agree and disagree in equal amounts" is not included on this chart.



Instructor Questions: - Aggregate Chart

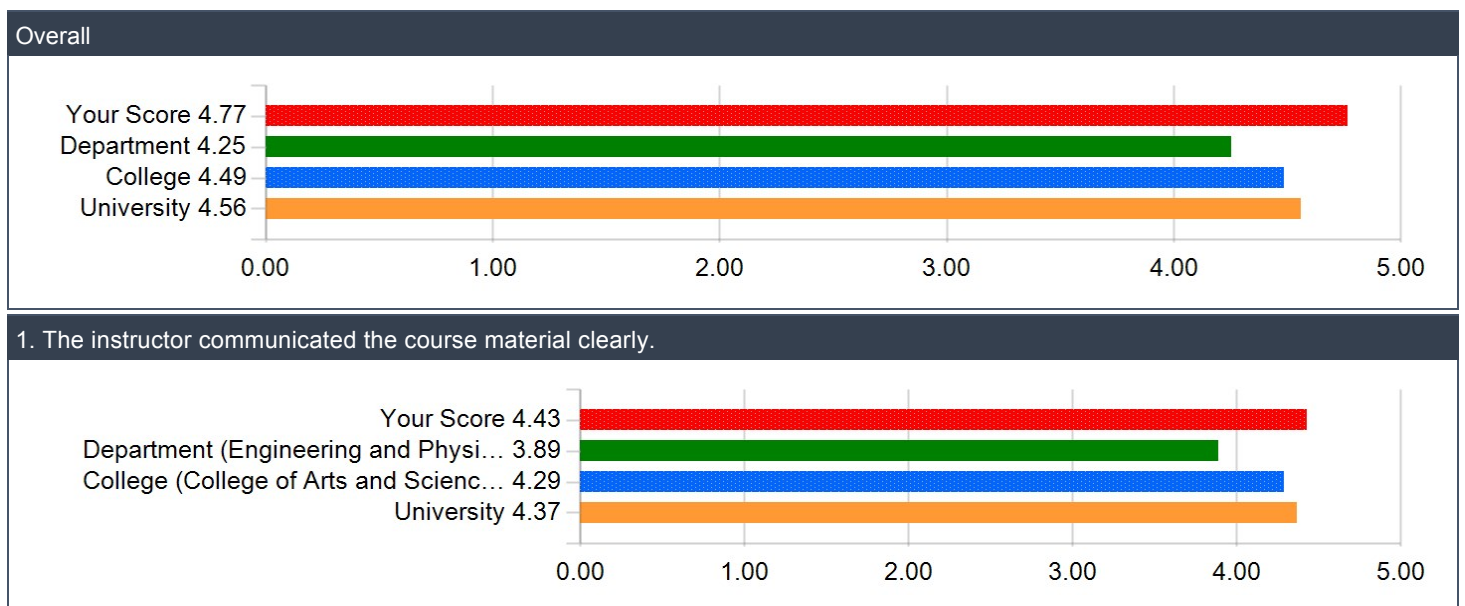
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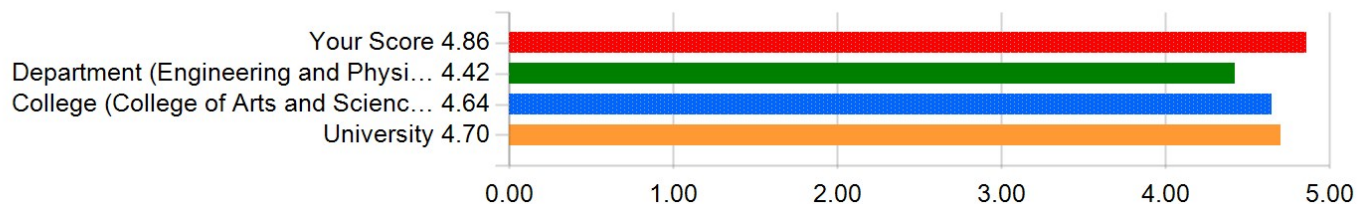
Course Questions: - Comparative Scores



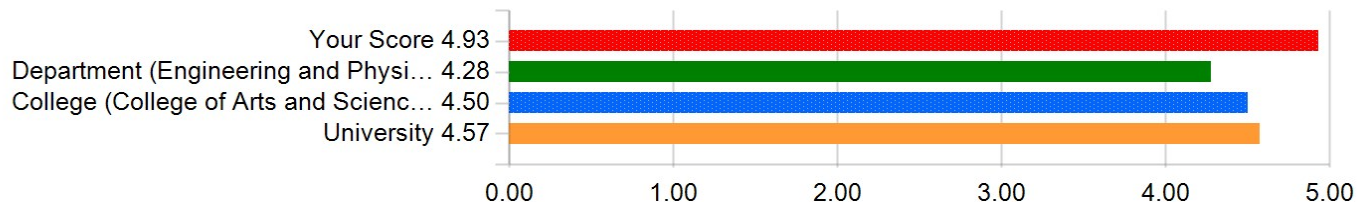
Instructor Questions: - Comparative Scores



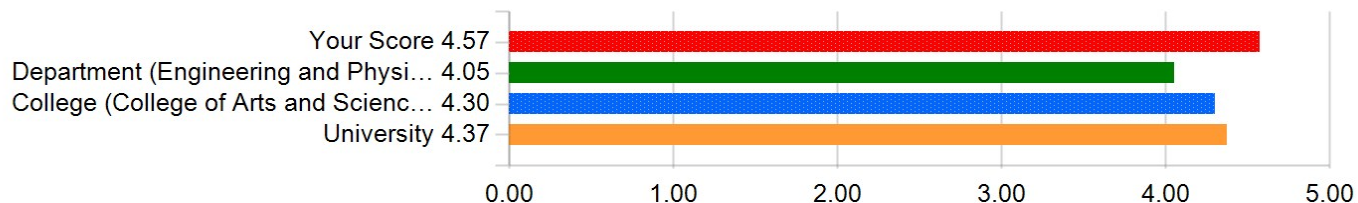
2. The instructor showed a genuine interest in the subject and a desire to share it with the students.



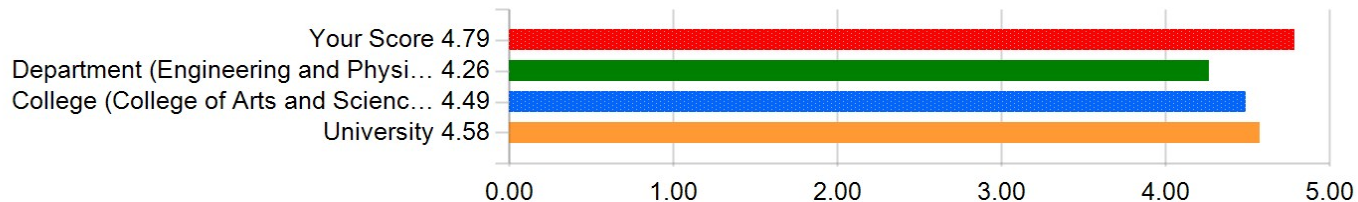
3. The instructor was well prepared for class.



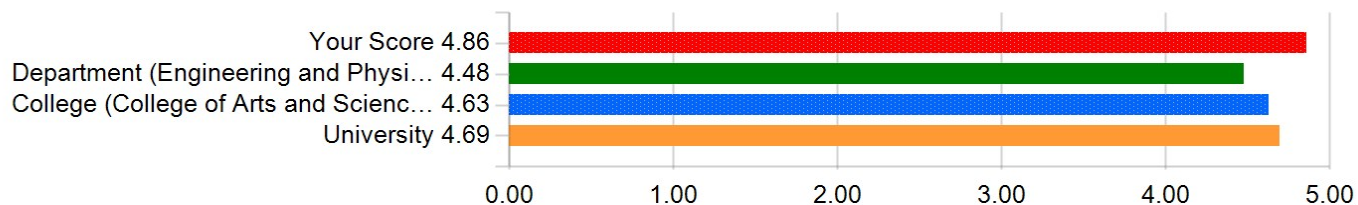
4. The instructor graded assignments and/or exams in a timely manner.



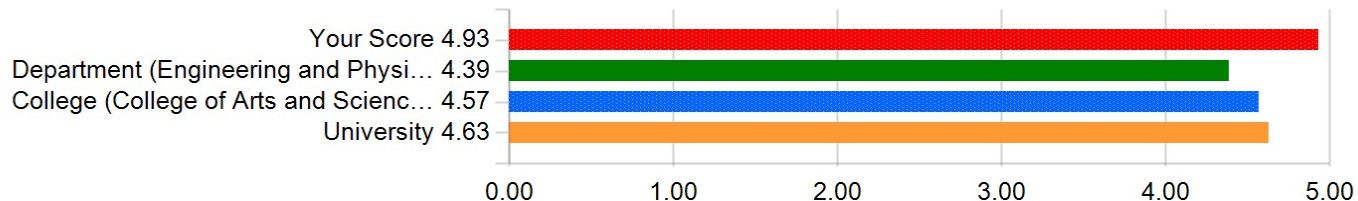
5. The instructor created a hospitable environment for learning.



6. The instructor treated me with respect and fairness.



7. The instructor was receptive and responsive to my questions and concerns.



Rating scale questions, top and bottom ranks

Strengths			
1	The instructor was well prepared for class.	Instructor Questions:	4.93
2	The instructor was receptive and responsive to my questions and concerns.	Instructor Questions:	4.93
3	The instructor showed a genuine interest in the subject and a desire to share it with the students.	Instructor Questions:	4.86
Areas for Improvement			
1	The instructor communicated the course material clearly.	Instructor Questions:	4.43
2	My experience in this course reflected ACU's mission to educate students for Christian service and leadership throughout the world.	Course Questions:	4.57
3	The instructor graded assignments and/or exams in a timely manner.	Instructor Questions:	4.57

What did the instructor do that made the course effective? Be specific (for example: particular assignments, discussions, presentations, etc.).

Comments
The instructor explained things in lectures very well, and had a great enthusiasm when teaching and answering the questions of students which kept the class engaging, fun, and friendly while still being academically challenging.
Provided summaries of information in multiple ways. Good explanations of the information and in depth solutions to practice problems.
The reading quizzes encouraged us to learn material, or at least try to, before class.
I liked working through problems in class and having class discussions. I liked when you brought in stuff in to show us how some concepts worked like with the bicycle wheel and the balance mechanism.
The reading quizzes helped me be prepared for class and the demonstrations in class made class more enjoyable
The homework and quizzes before class were helpful.
He created a rock solid base conceptually
The course was interesting and practice problems really helped understand the concepts.
The instructor gave us video lectures before the class which made it easier to understand subject material.
I loved the reading quizzes! Being able to type out any questions that I had while reading, regardless of whether or not they directly related to what I need for class, and actually receive interesting and thought-out answers was so wonderful. Near the end of the year, I and some of my classmates started having little "pow-wows" where we would share the questions we asked and the information shared with us. I loved so many things about this class, but being able to easily ask questions both via the reading quizzes and in person) about some of the fascinating things we were learning was definitely my favorite portion. The lecture videos were also quite helpful in reviewing for exams!
The reading quizzes always had a section for questions and this would always prove to be helpful. Overall, Dr. Drachenberg is a great professor and that is what make this class effective, he communicates clearly and is able to make these sometimes challenging topics more comprehensible.
Answered all the questions asked
Went through example problems, helped each student thoroughly.
I loved the class. Dr. Drach was so willing to talk and would help me in every way possible to understand. He truly loves the subject and he integrates his faith in a clever way each class to keep us focused on what really matters.

What could the instructor do to improve the effectiveness of this course? Be specific.

Comments
This may not be possible with the material needing to be covered (especially since it still needs to be covered well, which I thought the amount did do), but the workload for the class felt a bit extensive, so if there is a way to keep the great learning material through assignments and reading quizzes while reducing the workload, great, but if not, stick with what you got now. My only other complaint is also minor and may not have a great solution, but taking the different exams felt like I was having to rush through everything in order to finish in the allotted time. But, the best solution I can think of (since a class period is only so long) would be to reduce the number of questions on the test, which, may not be the best solution since you still want the tests to cover the material well and since too few questions may put too much weight on one section.
Could have provided better reviews for the tests so that students could have been better prepared.
If the tvs at each table worked that would probably be better.
If class could be ended on time, that would be great. A few of us had choir right after which was across campus, so we were always cutting it close getting to choir. I liked when you brought in stuff, it would be cool if that could be done more often.
If possible, use more demonstrations on the earlier parts of the semester
Do more problems on the board during class instead of in the powerpoint. The powerpoints make things confusing, but when they were done on the board I automatically understood better.
Spend less time on the first few chapters.
Although the practice problems are helpful it was hard to learn in class and from the book, maybe more in class teaching.
The instructor may try having less homework per chapter because it takes focus off of learning by doing the homework and puts more focus on completing the homework.
I would have appreciated knowing the grades for some of my homework assignments faster.
It would be helpful if there was a more detailed study guide for tests, there is so much material over each test it is challenging to study for each part for the right amount of time. Sometimes you would study heavily for one topic, putting a lot of time into it and it would not show up on the test. In contrast to that, you would study only a little for something that wasn't an important topic during class time and then there would be many questions dealing with that. A practice test with some problems that are focused on what we should definitely know or some conceptual ideas we should be thinking of, this would help generate proper studying for the tests. It would help focus our studying time on what is important.
N/A
Make reviews with similar problems like the tests.
I would sometimes get lost because as he worked through problems in class he leaves all the numbers as just the variables. Which can be helpful, but as we were dealing with incredibly similar variables like two different velocities, I would get lost and would just end up not paying attention to the in-class problems. But when I could follow the units I really learn a lot and could follow what he was saying.

Do you have additional comments about your experience in this course?

Comments
The course was great! I really enjoyed the bible verse tie-ins at the beginning of each lecture! It was a great way to begin each class period.
No.
I did really enjoy learning about physics in this class.
No
I loved this class! It was so interesting, and I really enjoyed the environment that developed, especially near the end of the year.
Although it was my hardest class, it was definitely the most interesting. Thank you for everything.
It was truly one of my favorite courses and he was an awesome and approachable teacher.