

Individual Instructor Report for PHYS 220.01 - Engineering Physics I - 10691-201910 James Drachenberg

Project Title: **Student Opinion of Instruction Fall 2018**

Project Audience: **13**

Responses Received: **4**

Response Ratio: **30.8%**

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: **Fri, Jan 04, 2019**

Course Questions:

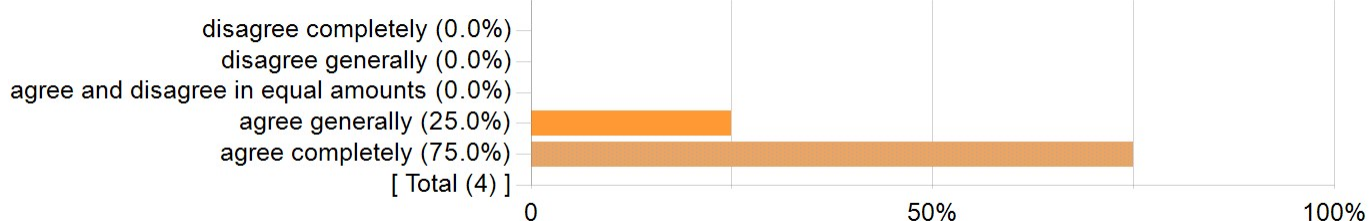
	Mean	Count	%(1)	%(2)	%(3)	%(4)	%(5)
As a result of this course experience, I have a better understanding of the subject matter.	4.75	4	0.0 %	0.0 %	0.0 %	25.0 %	75.0 %
My experience in this course reflected ACU's mission to educate students for Christian service and leadership throughout the world.	4.75	4	0.0 %	0.0 %	0.0 %	25.0 %	75.0 %

Instructor Questions:

	Mean	Count	%(1)	%(2)	%(3)	%(4)	%(5)
The instructor communicated the course material clearly.	5.00	4	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
The instructor showed a genuine interest in the subject and a desire to share it with the students.	5.00	4	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
The instructor was well prepared for class.	5.00	4	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
The instructor graded assignments and/or exams in a timely manner.	4.50	4	0.0 %	0.0 %	25.0 %	0.0 %	75.0 %
The instructor created a hospitable environment for learning.	5.00	4	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
The instructor treated me with respect and fairness.	5.00	4	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
The instructor was receptive and responsive to my questions and concerns.	4.75	4	0.0 %	0.0 %	0.0 %	25.0 %	75.0 %

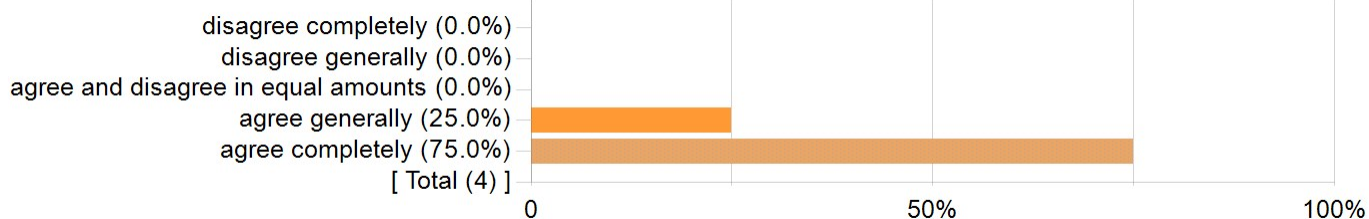
Course Questions:

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



Statistics	Value
Mean	4.75
Standard Deviation	0.50

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



Statistics	Value
Mean	4.75
Standard Deviation	0.50

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

Comment

[No Response]

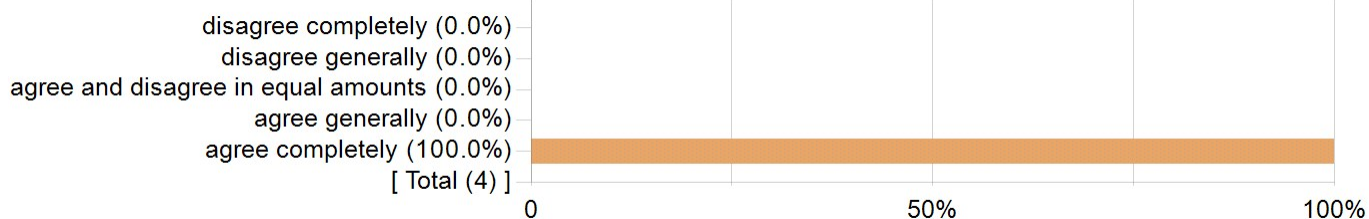
My experience in this course reflected ACU's mission to educate students for Christian service and leadership throughout the world.

Comment

[No Response]

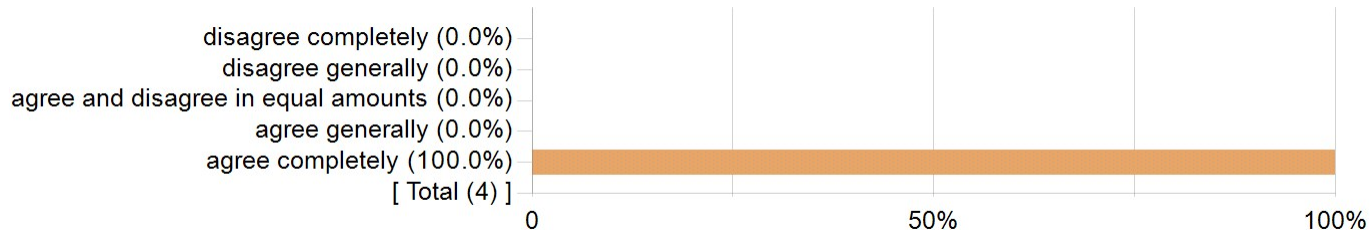
Instructor Questions:

1. The instructor communicated the course material clearly.



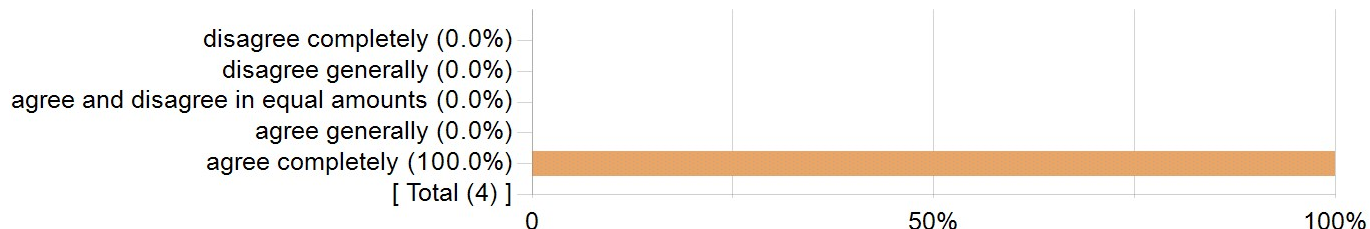
Statistics	Value
Mean	5.00
Standard Deviation	0.00

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



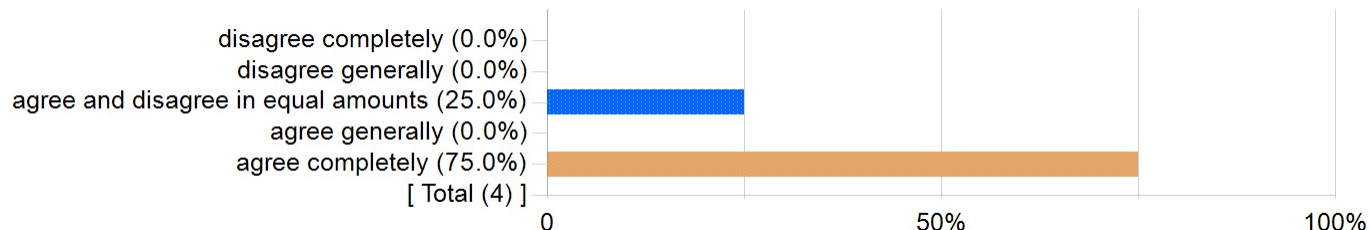
Statistics	Value
Mean	5.00
Standard Deviation	0.00

3. The instructor was well prepared for class.



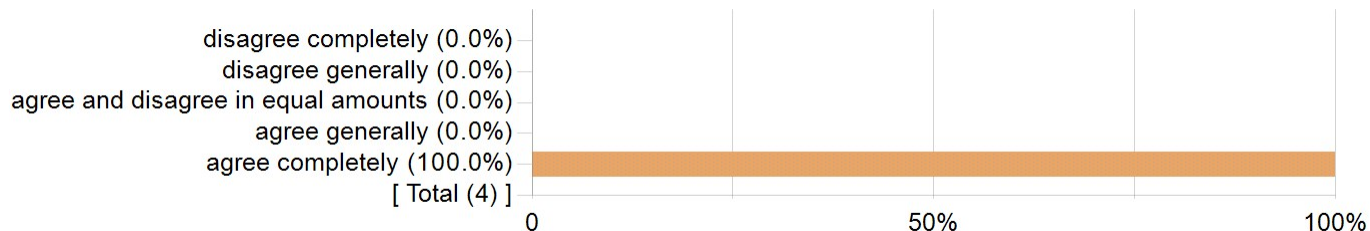
Statistics	Value
Mean	5.00
Standard Deviation	0.00

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



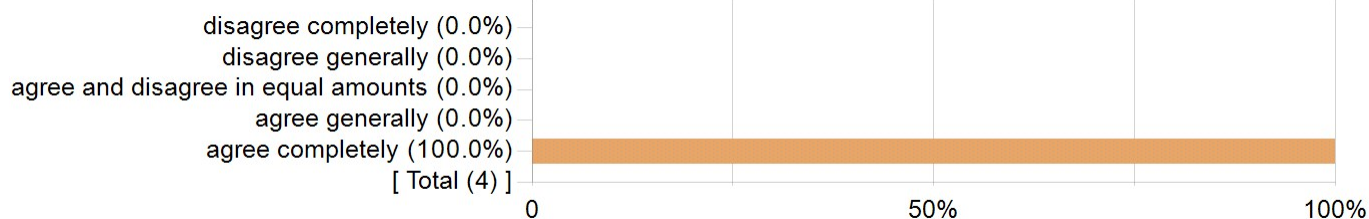
Statistics	Value
Mean	4.50
Standard Deviation	1.00

5. The instructor created a hospitable environment for learning.



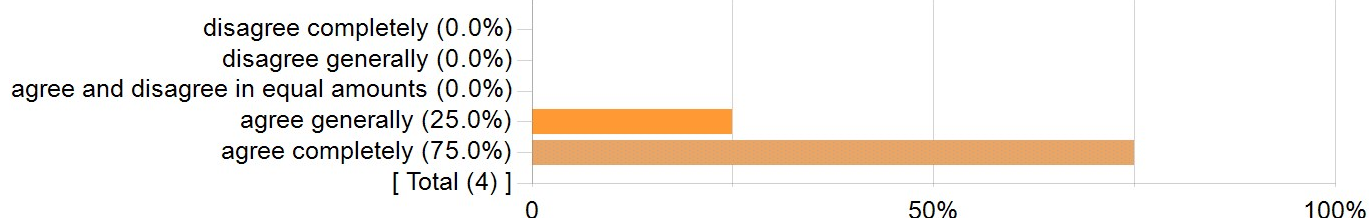
Statistics	Value
Mean	5.00
Standard Deviation	0.00

6. The instructor treated me with respect and fairness.



Statistics	Value
Mean	5.00
Standard Deviation	0.00

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



Statistics	Value
Mean	4.75
Standard Deviation	0.50

The instructor communicated the course material clearly.

Comment

- It was great.

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

Comment

- He shared with us his experiences on the field and why he loves physics.

The instructor was well prepared for class.

Comment

- Very prepared but sometimes because it is a hard class and it involves every day life actions, it was hard to solve some questions.

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

Comment

[No Response]

The instructor created a hospitable environment for learning.

Comment

- He was a great professor full of energy, experience and very helpful.

The instructor treated me with respect and fairness.

Comment

- Very respectful.

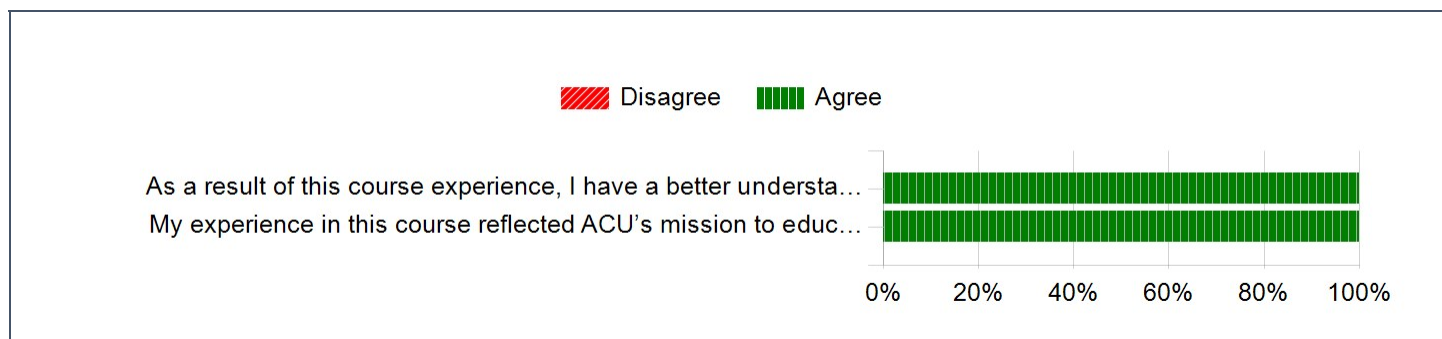
The instructor was receptive and responsive to my questions and concerns.

Comment

- He was available to answer questions all the time.

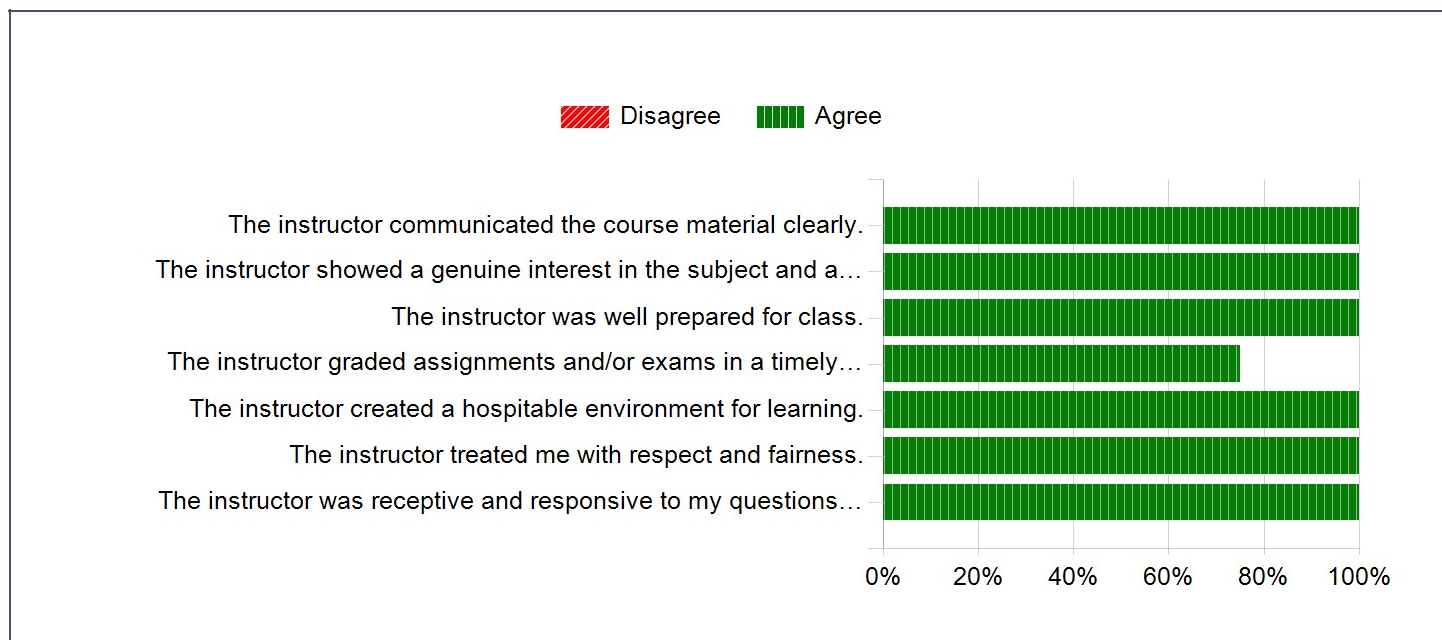
Course Questions: - Aggregate Chart

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.

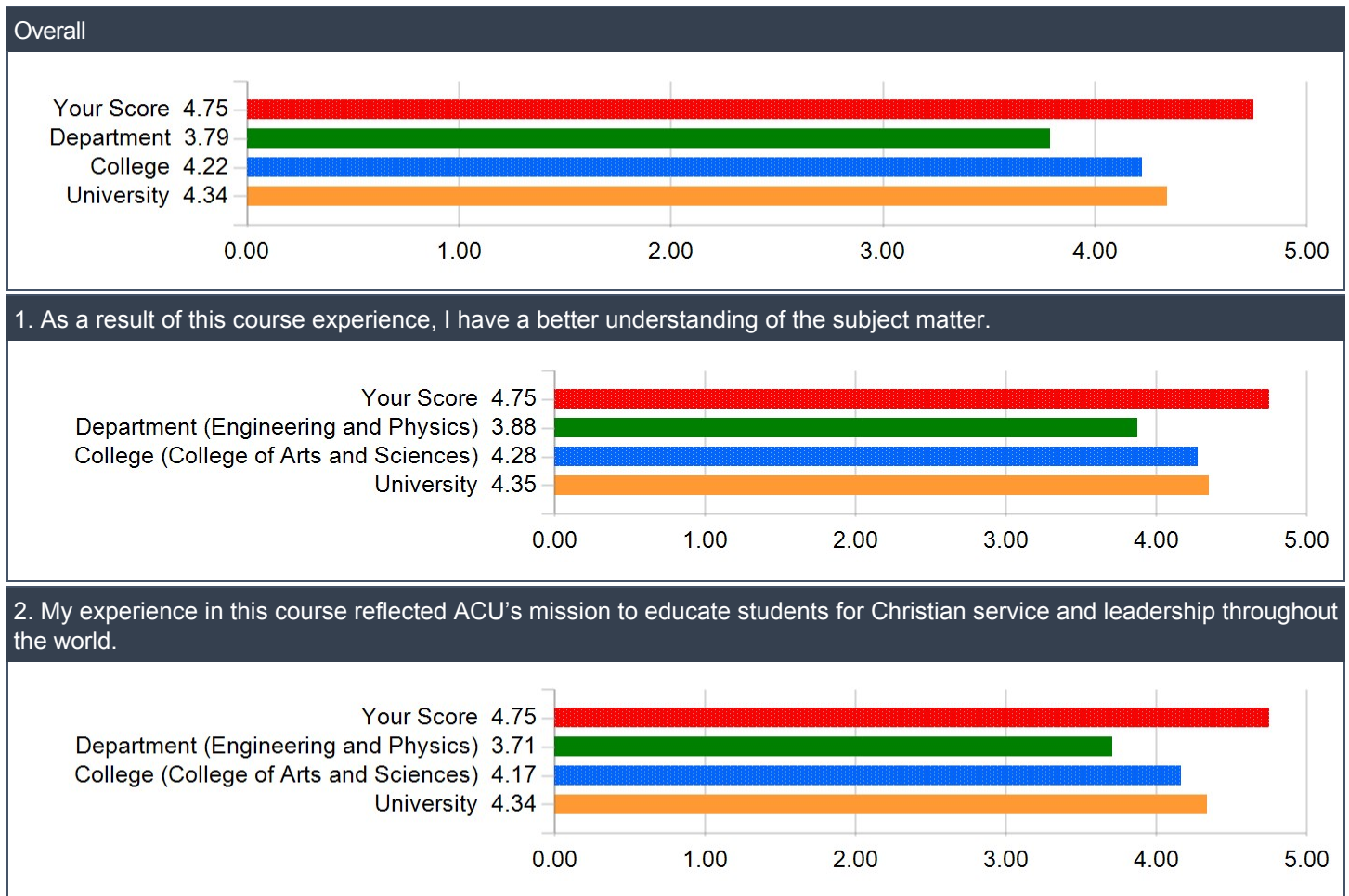


Instructor Questions: - Aggregate Chart

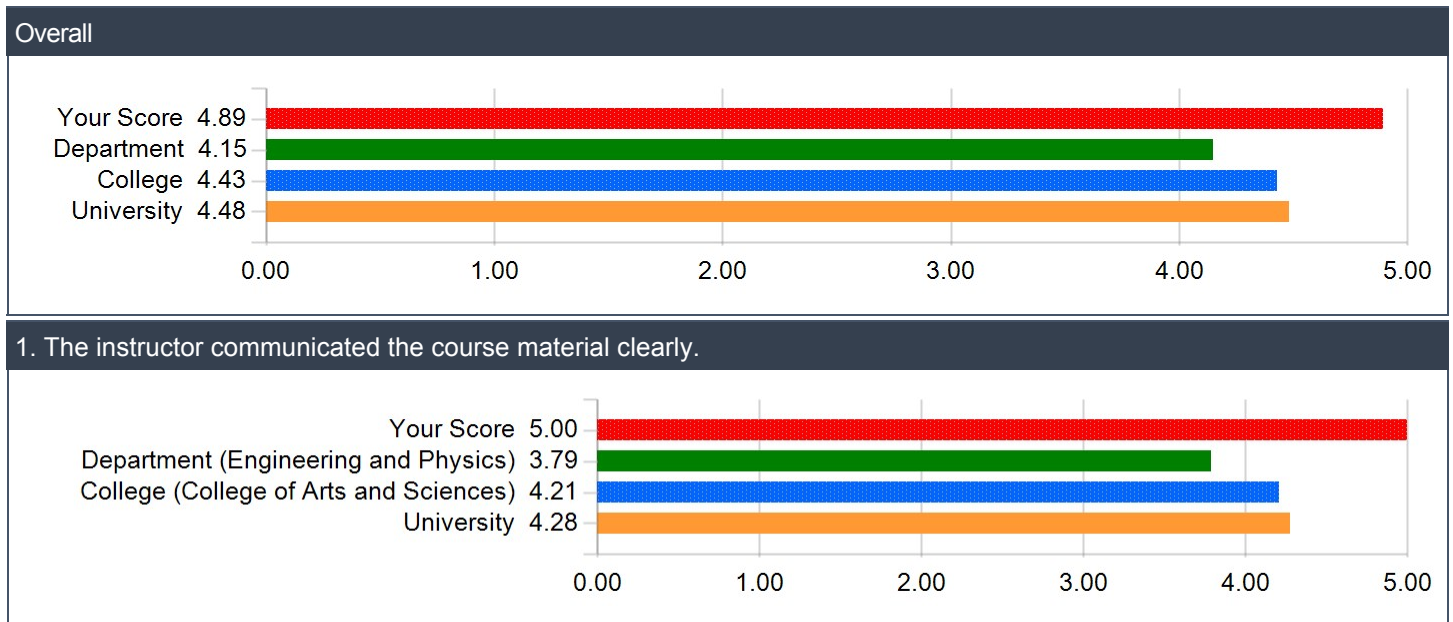
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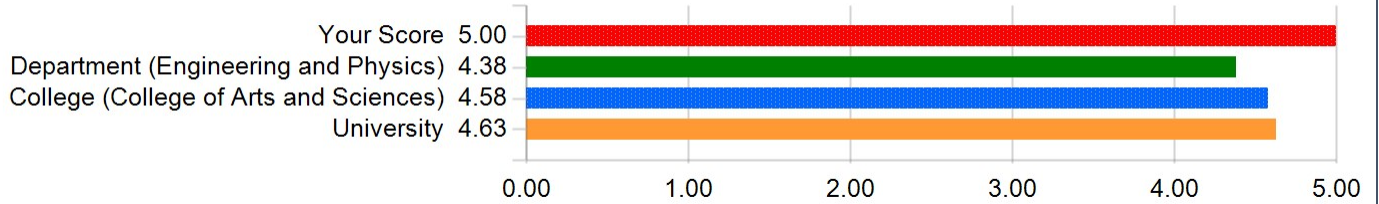
Course Questions: - Comparative Scores



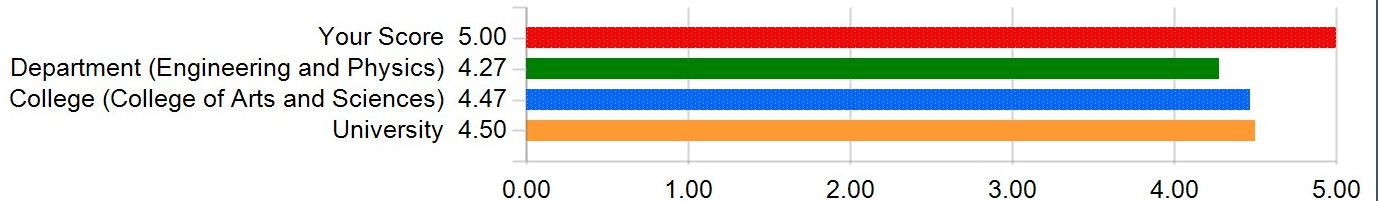
Instructor Questions: - Comparative Scores



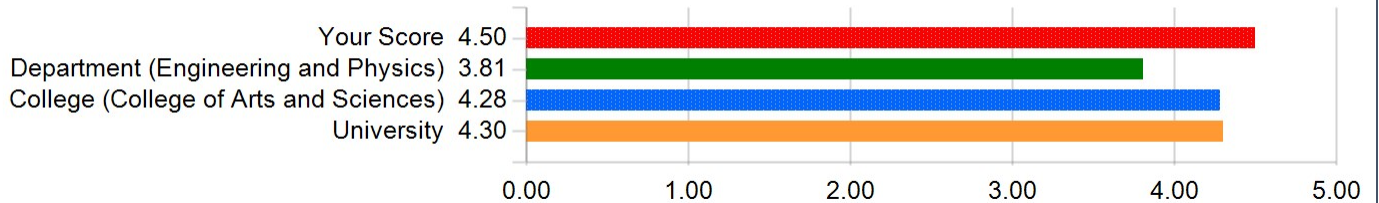
2. The instructor showed a genuine interest in the subject and a desire to share it with the students.



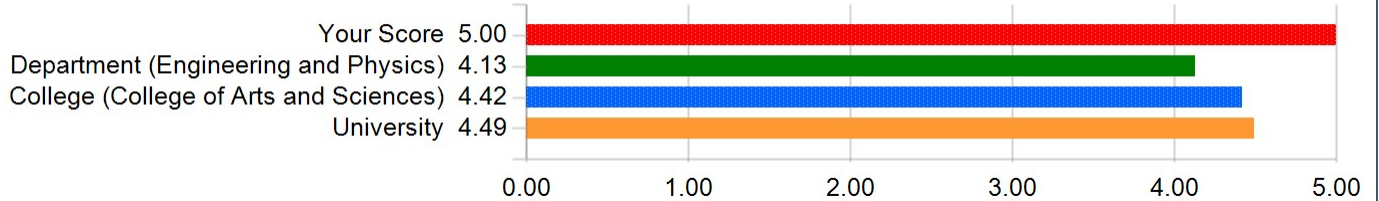
3. The instructor was well prepared for class.



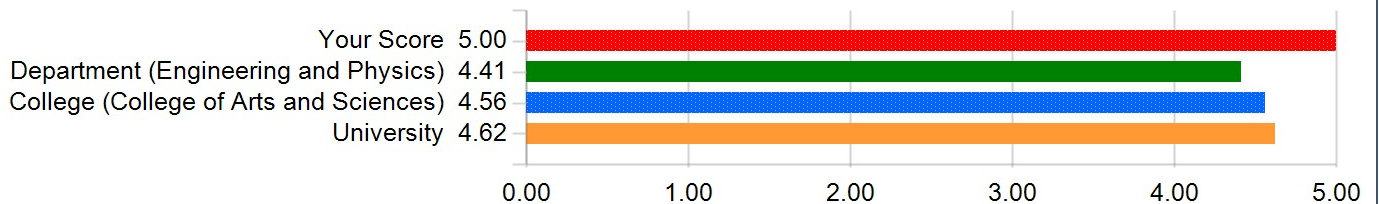
4. The instructor graded assignments and/or exams in a timely manner.



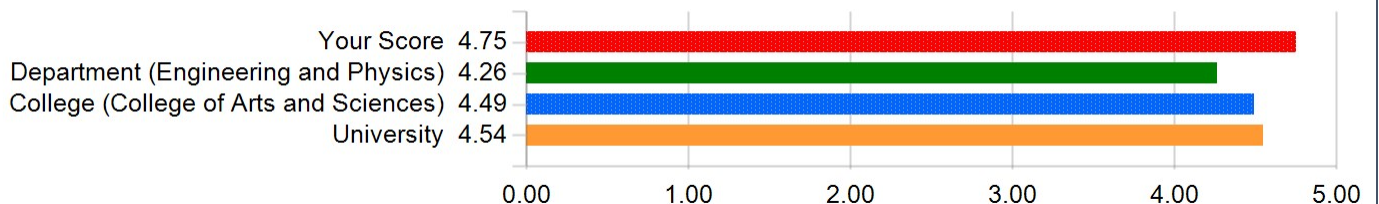
5. The instructor created a hospitable environment for learning.



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 communicated the course material clearly.	Instructor Questions:	5.00
2	The instructor showed a genuine interest in the subject and a desire to share it with the students.	Instructor Questions:	5.00
3	The instructor was well prepared for class.	Instructor Questions:	5.00
Areas for Improvement			
1	The instructor graded assignments and/or exams in a timely manner.	Instructor Questions:	4.50
2	As a result of this course experience, I have a better understanding of the subject matter.	Course Questions:	4.75
3	My experience in this course reflected ACU's mission to educate students for Christian service and leadership throughout the world.	Course Questions:	4.75

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

Comments
Not only was he a good teacher but he got the class involved allowing us to learn easier
Although I had a very basic knowledge of physics, Dr. Drachenberg made a class I thought I would dread more enjoyable than I anticipated. Although the work was not as enjoyable, he, himself, made the class enjoyable. Demonstrations were fascinating and made me see the fun after all the dreary calculations. Thoroughly explained concepts for even me, with my super basic understanding of physics.
His classes are very hard because of the subject but somehow he manage to made the hardest class of the semester the best class because every time I left class I learned something new. His presentations were well explained, his classes were great and he was always available to help us.
Really liked the format of the course in terms of lectures that would go over specifically what we had concerns about, and then time to work out problems in groups and go over them. While I am usually not too crazy about working in groups so often, it definitely was beneficial in this class to work through somewhat complex problems together.

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

Comments
Extra credit? :)
The only "complaint" that I would have is the excess of Quizzes. However, they did help my grade.
None, it was great.
While you started doing this more often towards the end of the semester, I do wish you did more demonstrations involving the course material – those were extremely helpful to learn several concepts.

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

Comments

Despite it was the hardest class, it was my favorite one.

My biggest concerns would just have to be the time commitment of this course – between daily discussion posts, readings, homework problems, lecture recordings, and homework for labs, it was fairly common for the total homework between each class to be a time investment of 5–6 hours; definitely my most time consuming class this semester despite being in several upper level math and computer science courses. As well, classes would frequently go over by 5–10 minutes for lectures, and labs were an extra 2–3 hours of class time every week... while I understand there is a ton to cover over some really nuanced subjects, this class was really draining and extremely easy to fall behind in. A part of it is just the distribution of everything – for instance, instead of having nightly homework problems, assigning all of these problems to be weekly would be really helpful whenever we have day(s) where we are heavily bogged down by our other classes, and wouldn't have to worry about rushing through a nightly assignment (eg: homework problems due every friday, so that if we were really busy monday and tuesday, we could spend time later in the week rather than having to worry about the assignment due wednesday). This could be done without even reducing the workload, and would help immensely in my opinion. As well, I found the labs pretty ineffective – at worst, they were extremely tedious, with more time being spent trying to get motion detectors to produce sensible readings than actual time spent analyzing data. It was also really rare for these labs to line up with what we were discussing in class (for example, our last lab was over projectile motion, while our last weeks of lecture had been over gravitational force and special relativity). These labs definitely could be used as teachable moments to add on to the lectures, but personally I never really felt like that happened, unfortunately.

While I have been pretty negative, as a whole this class was great (if I hated it, I wouldn't have spent so much time writing this!), the structure of it was just a bit overwhelming and I felt like fat could be trimmed. You are a fantastic at lecturing and the way you specifically made lectures relate to the specific things we had questions about was great, and you were extremely helpful at any point I came into your office for specific questions. You were also pretty forgiving in terms of allowing for corrections and extensions, which helped immensely. I was never really frustrated over not understanding something during this entire course, which is impressive for a course with such complex material – looking forward to EP2, but I hope the structure of the class could be tweaked a bit.