

# Individual Instructor Report for PHYS 371.01 - Classical Mechanics - 11161-202010 James Drachenberg

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

Courses Audience: **6**

Responses Received: **3**

Response Ratio: **50.0%**

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## 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](mailto: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](mailto:cab11c@acu.edu).

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Creation Date: **Thursday, December 19, 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.                                         | 5.00 | 3     | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| My experience in this course reflected ACU's mission to educate students for Christian service and leadership throughout the world. | 5.00 | 3     | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |

**Instructor Questions:**

|                                                                                                     | Mean | Count | %(1) | %(2) | %(3) | %(4) | %(5)   |
|-----------------------------------------------------------------------------------------------------|------|-------|------|------|------|------|--------|
| The instructor communicated the course material clearly.                                            | 5.00 | 3     | 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 | 3     | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| The instructor was well prepared for class.                                                         | 5.00 | 3     | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| The instructor graded assignments and/or exams in a timely manner.                                  | 5.00 | 3     | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| The instructor created a hospitable environment for learning.                                       | 5.00 | 3     | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| The instructor treated me with respect and fairness.                                                | 5.00 | 3     | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| The instructor was receptive and responsive to my questions and concerns.                           | 5.00 | 3     | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |

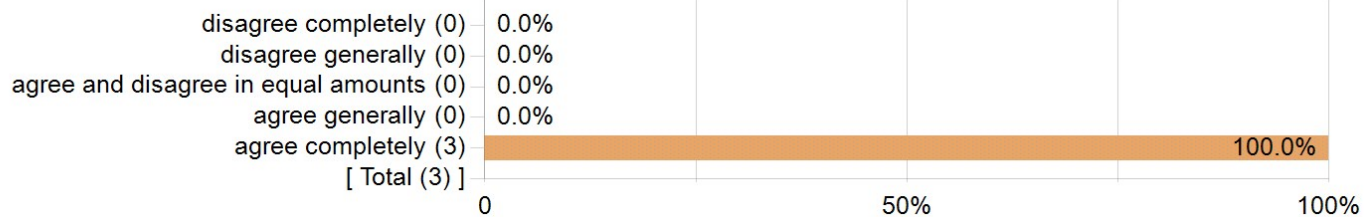
Course Questions:

|                                                                                                                                        |         |
|----------------------------------------------------------------------------------------------------------------------------------------|---------|
| 1. As a result of this course experience, I have a better understanding of the subject matter.                                         |         |
| disagree completely (0)                                                                                                                | 0.0%    |
| disagree generally (0)                                                                                                                 | 0.0%    |
| agree and disagree in equal amounts (0)                                                                                                | 0.0%    |
| agree generally (0)                                                                                                                    | 0.0%    |
| agree completely (3)                                                                                                                   | 100.0%  |
| [ Total (3) ]                                                                                                                          |         |
| 0                                                                                                                                      | 50%100% |
| Statistics                                                                                                                             | Value   |
| Mean                                                                                                                                   | 5.00    |
| Standard Deviation                                                                                                                     | 0.00    |
| 2. My experience in this course reflected ACU's mission to educate students for Christian service and leadership throughout the world. |         |
| disagree completely (0)                                                                                                                | 0.0%    |
| disagree generally (0)                                                                                                                 | 0.0%    |
| agree and disagree in equal amounts (0)                                                                                                | 0.0%    |
| agree generally (0)                                                                                                                    | 0.0%    |
| agree completely (3)                                                                                                                   | 100.0%  |
| [ Total (3) ]                                                                                                                          |         |
| 0                                                                                                                                      | 50%100% |
| Statistics                                                                                                                             | Value   |
| Mean                                                                                                                                   | 5.00    |
| Standard Deviation                                                                                                                     | 0.00    |
| 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:

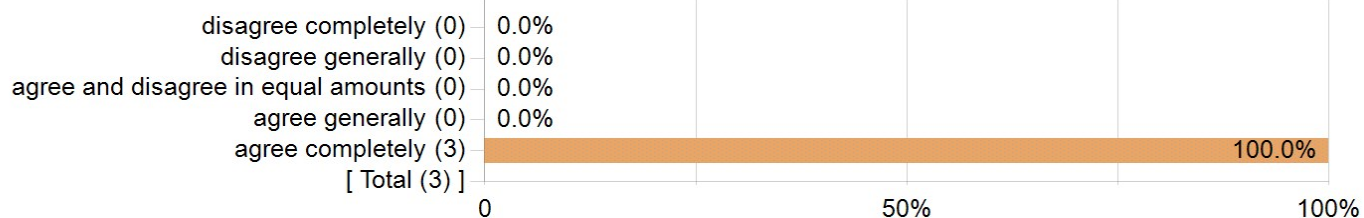
|                                                             |         |
|-------------------------------------------------------------|---------|
| 1. The instructor communicated the course material clearly. |         |
| disagree completely (0)                                     | 0.0%    |
| disagree generally (0)                                      | 0.0%    |
| agree and disagree in equal amounts (0)                     | 0.0%    |
| agree generally (0)                                         | 0.0%    |
| agree completely (3)                                        | 100.0%  |
| [ Total (3) ]                                               |         |
| 0                                                           | 50%100% |
| 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.



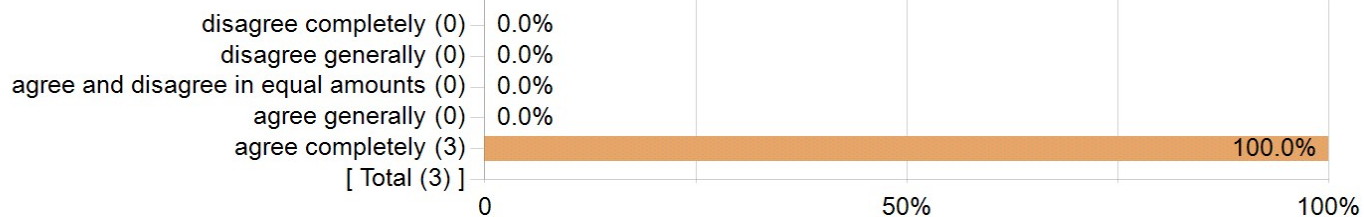
| Statistics         | Value |
|--------------------|-------|
| Mean               | 5.00  |
| Standard Deviation | 0.00  |

## 3. The instructor was well prepared for class.



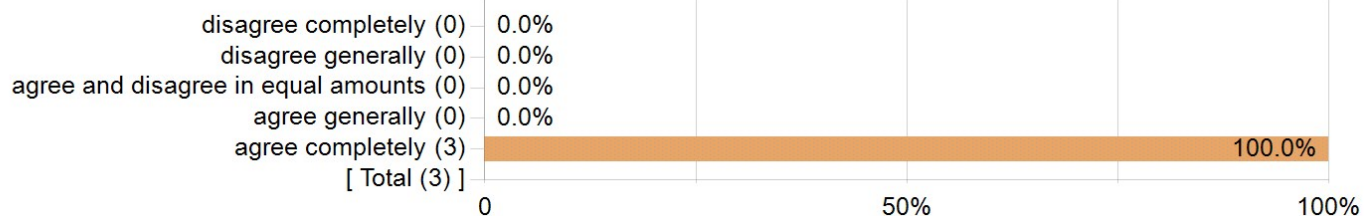
| Statistics         | Value |
|--------------------|-------|
| Mean               | 5.00  |
| Standard Deviation | 0.00  |

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



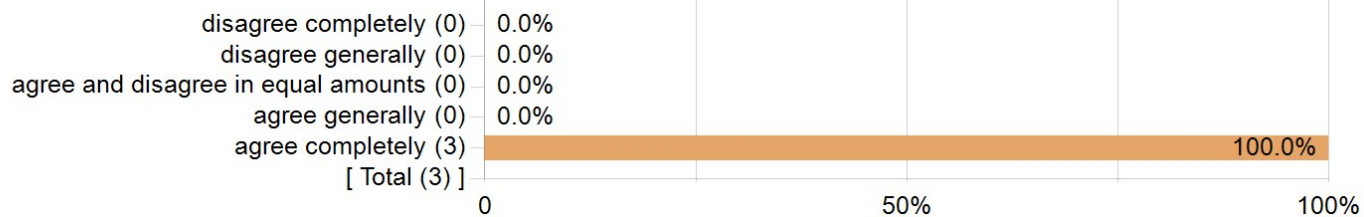
| Statistics         | Value |
|--------------------|-------|
| Mean               | 5.00  |
| Standard Deviation | 0.00  |

## 5. The instructor created a hospitable environment for learning.



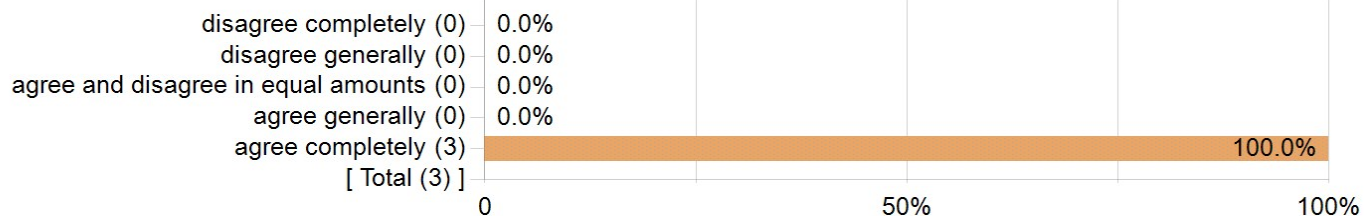
| Statistics         | Value |
|--------------------|-------|
| Mean               | 5.00  |
| Standard Deviation | 0.00  |

## 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               | 5.00  |
| Standard Deviation | 0.00  |

The instructor communicated the course material clearly.

Comment

[No Response]

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

Comment

[No Response]

The instructor was well prepared for class.

Comment

[No Response]

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

Comment

[No Response]

The instructor created a hospitable environment for learning.

Comment

[No Response]

The instructor treated me with respect and fairness.

Comment

[No Response]

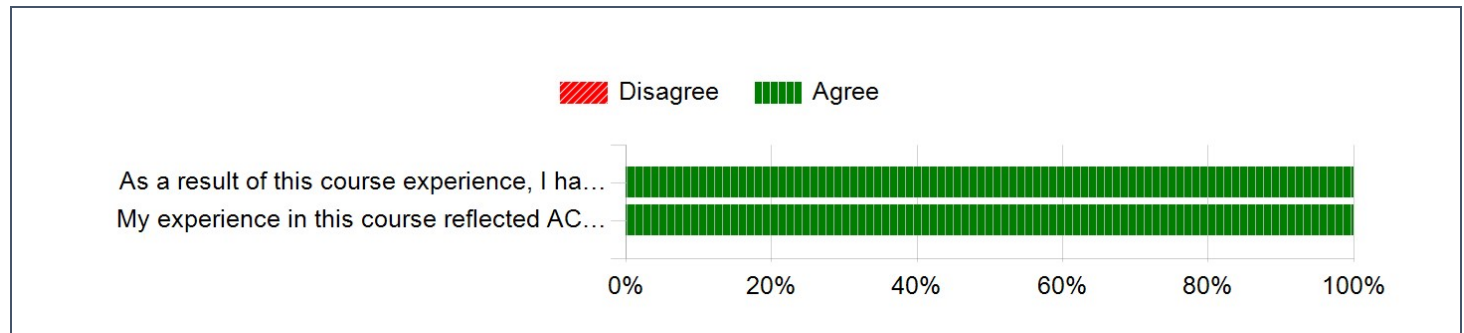
The instructor was receptive and responsive to my questions and concerns.

Comment

[No Response]

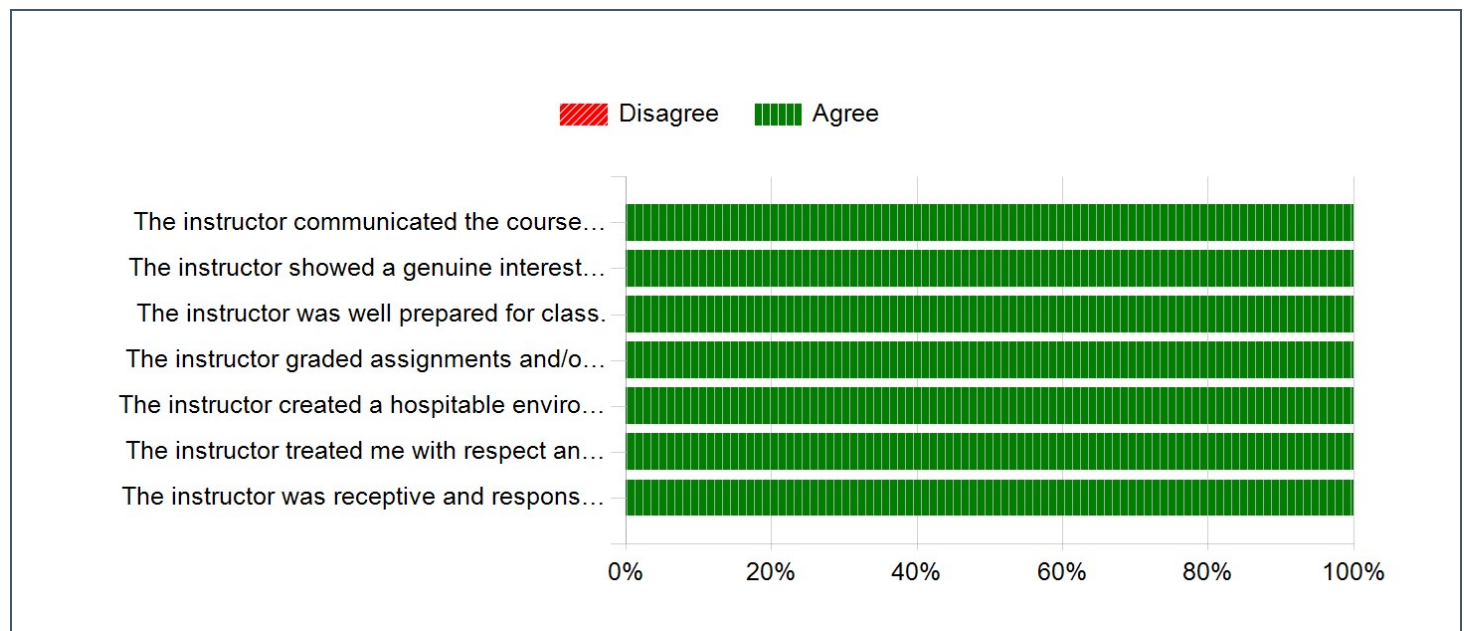
### Course Questions: - Aggregate Chart

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

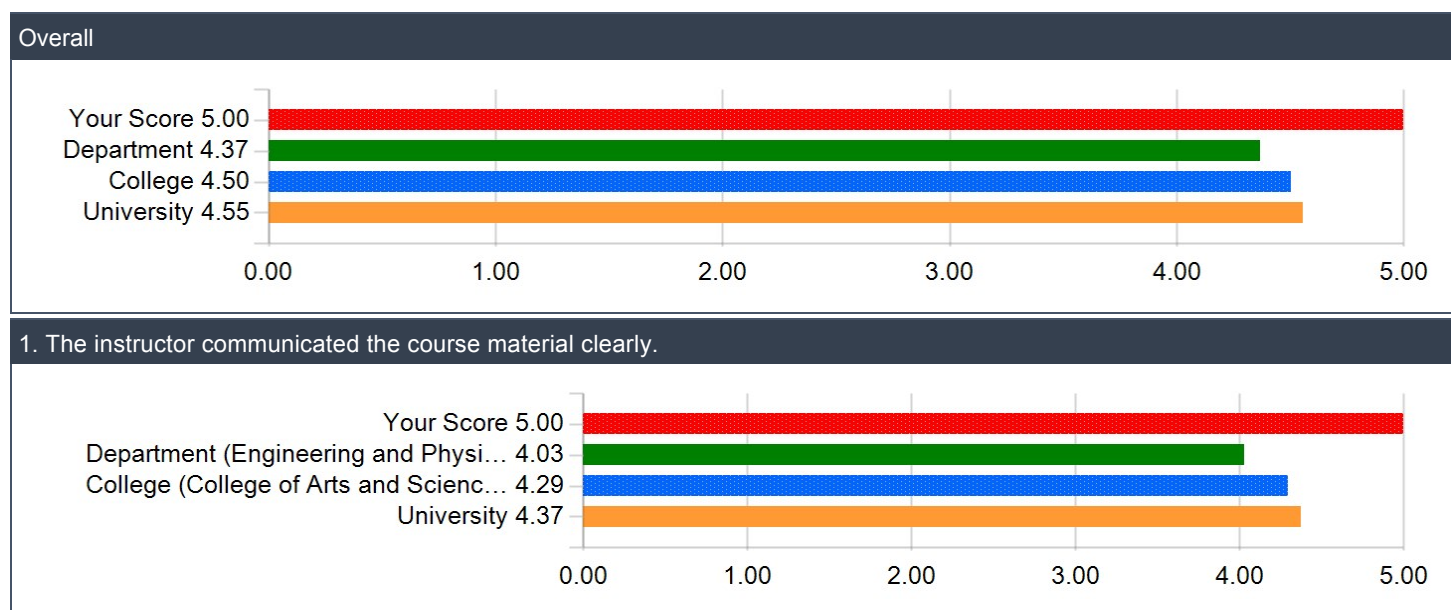
Note that in the following aggregate chart "Agree Completely" and "Agree" have been grouped together as "Agree" while "Disagree Completely" and "Disagree" have been grouped together as "Disagree" and "agree and disagree in equal amounts" is not included on this chart.



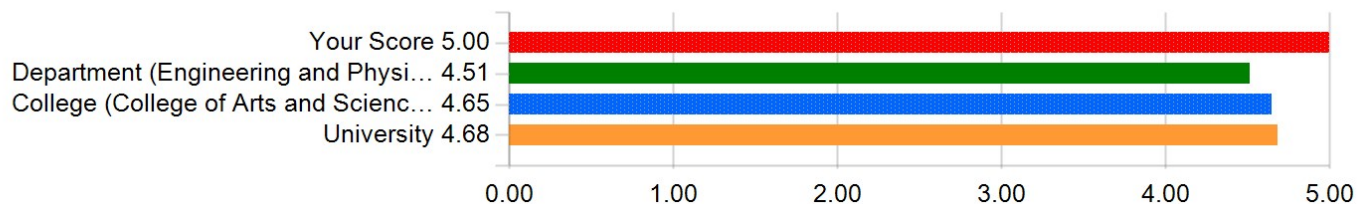
## Course Questions: - Comparative Scores



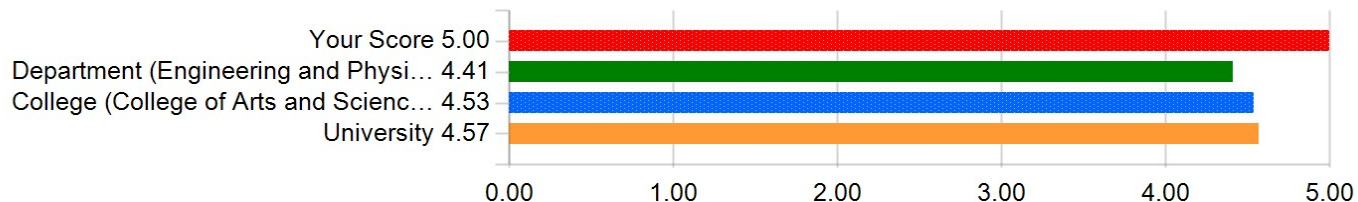
## Instructor Questions: - Comparative Scores



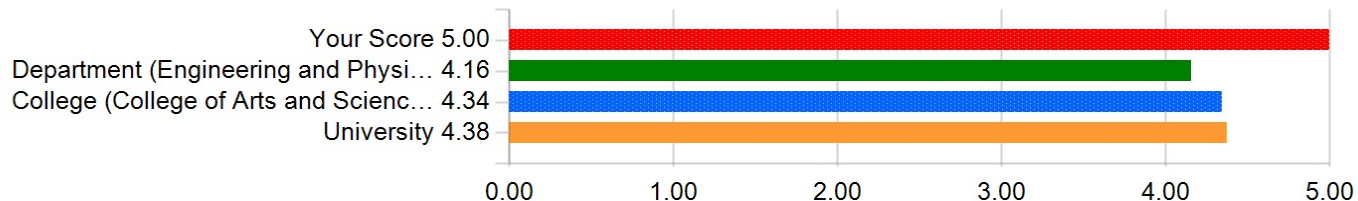
2. The instructor showed a genuine interest in the subject and a desire to share it with the students.



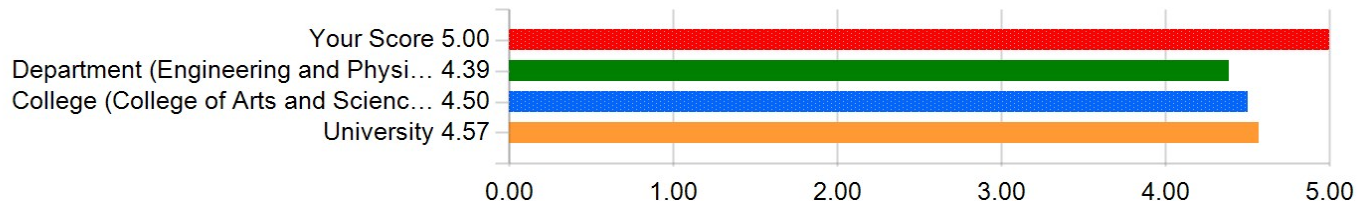
3. The instructor was well prepared for class.



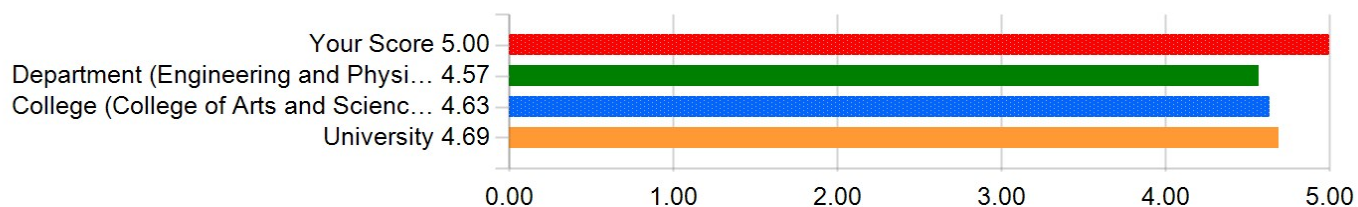
4. The instructor graded assignments and/or exams in a timely manner.



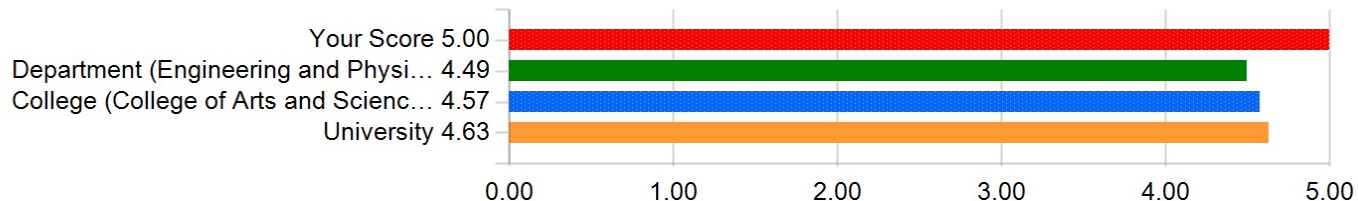
5. The instructor created a hospitable environment for learning.



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                     | As a result of this course experience, I have a better understanding of the subject matter.                                         | Course Questions:     | 5.00 |
| 2                     | My experience in this course reflected ACU's mission to educate students for Christian service and leadership throughout the world. | Course Questions:     | 5.00 |
| 3                     | The instructor communicated the course material clearly.                                                                            | Instructor Questions: | 5.00 |
| Areas for Improvement |                                                                                                                                     |                       |      |
| 1                     | As a result of this course experience, I have a better understanding of the subject matter.                                         | Course Questions:     | 5.00 |
| 2                     | My experience in this course reflected ACU's mission to educate students for Christian service and leadership throughout the world. | Course Questions:     | 5.00 |
| 3                     | The instructor communicated the course material clearly.                                                                            | Instructor Questions: | 5.00 |

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

| Comments                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dr. Drach genuinely cares about the stuff he is teaching, which makes it a lot easier for me to genuinely care about the stuff that I was learning. I also thought that the end-of-the-year project was quite cool! I don't think I would have been able to do it if it hadn't run over a break, but since it did I was able to dedicate plenty of time to it. |
| Beyond that... this was a great course! Definitely the hardest class I've ever taken, by a couple of orders of magnitude. Despite that, it was extremely interesting, I genuinely enjoyed it, and I think I learned a lot!                                                                                                                                     |
| He was good about going in depth to the mathematics, sometimes professors will skim over things when they start to get more complicated, so that made the class much more meaningful. He also started each lecture with a bible verse which is really cool.                                                                                                    |
| good                                                                                                                                                                                                                                                                                                                                                           |

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

| Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I don't know if this is entirely what this question is asking but... the homework assignments were extremely long. On a couple of occasions, I probably spent around 15 hours just completing the homework assignment for the week. Admittedly, there was only one assignment for the week, so it was manageable, if barely. Of course, this kind of length/difficulty may just be standard for more upper-level courses, and I was just caught off-guard as before this class the most difficult course I had seen was... EP I, maybe? Anyway, the homework length seemed excessive, but it might not have been, and I was still able to manage it so it was alright. |
| Beyond that, the only problem was that I took this course concurrent with ODE, and on two or three occasions we were doing math in classical that I wouldn't learn in ODE until the next week (I think that happened with oscillations and rotation of rigid bodies). That made things a bit more challenging then it would have been otherwise, but I was still able to follow along on the physics concepts and then get a hold of the math the next week, so it all worked out ok!                                                                                                                                                                                  |
| More information about the project would help, it was a little vague what you wanted us to do.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| good                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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

| Comments                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------|
| I really loved this course! I don't think I've ever had to work so hard to learn something, and so this semester has been pretty rewarding. |
| Really enjoyed the course. Thanks for a great semester!                                                                                     |