

Individual Instructor Report for PHYS 222.01 - Engineering Physics II - 10904-202010 James Drachenberg

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

Courses Audience: **24**

Responses Received: **13**

Response Ratio: **54.2%**

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, 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.	4.62	13	0.0%	0.0%	15.4%	7.7%	76.9%
My experience in this course reflected ACU's mission to educate students for Christian service and leadership throughout the world.	4.85	13	0.0%	0.0%	7.7%	0.0%	92.3%

Instructor Questions:

	Mean	Count	%(1)	%(2)	%(3)	%(4)	%(5)
The instructor communicated the course material clearly.	4.62	13	0.0%	0.0%	7.7%	23.1%	69.2%
The instructor showed a genuine interest in the subject and a desire to share it with the students.	5.00	13	0.0%	0.0%	0.0%	0.0%	100.0%
The instructor was well prepared for class.	4.92	13	0.0%	0.0%	0.0%	7.7%	92.3%
The instructor graded assignments and/or exams in a timely manner.	4.46	13	0.0%	7.7%	7.7%	15.4%	69.2%
The instructor created a hospitable environment for learning.	4.69	13	0.0%	0.0%	7.7%	15.4%	76.9%
The instructor treated me with respect and fairness.	4.85	13	0.0%	0.0%	0.0%	15.4%	84.6%
The instructor was receptive and responsive to my questions and concerns.	5.00	13	0.0%	0.0%	0.0%	0.0%	100.0%

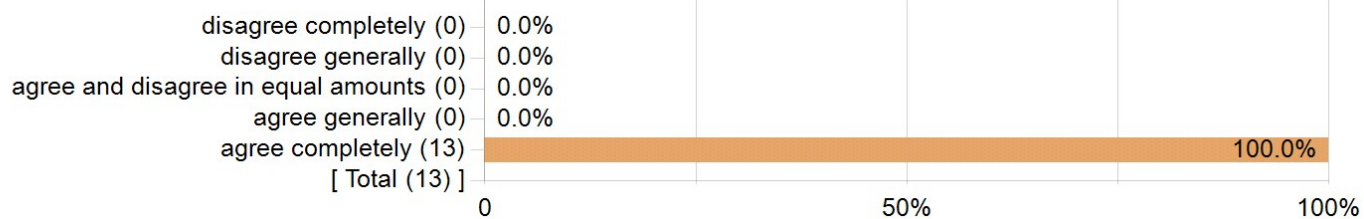
Course Questions:

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 (2)15.4% agree generally (1)7.7% agree completely (10)76.9% [Total (13)] 050%100%	
Statistics	Value
Mean	4.62
Standard Deviation	0.77
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 (1)7.7% agree generally (0)0.0% agree completely (12)92.3% [Total (13)] 050%100%	
Statistics	Value
Mean	4.85
Standard Deviation	0.55
As a result of this course experience, I have a better understanding of the subject matter.	
Comment	
- Great explanations and interest from the instructor!	
My experience in this course reflected ACU's mission to educate students for Christian service and leadership throughout the world.	
Comment	
- Loved the scripture tie-in before every lecture! It worked so well, and definately fit ACU's mission.	

Instructor Questions:

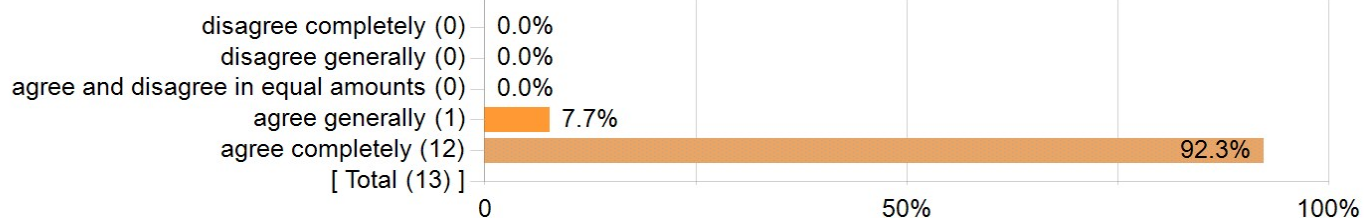
1. The instructor communicated the course material clearly.	
disagree completely (0)0.0% disagree generally (0)0.0% agree and disagree in equal amounts (1)7.7% agree generally (3)23.1% agree completely (9)69.2% [Total (13)] 050%100%	
Statistics	Value
Mean	4.62
Standard Deviation	0.65

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



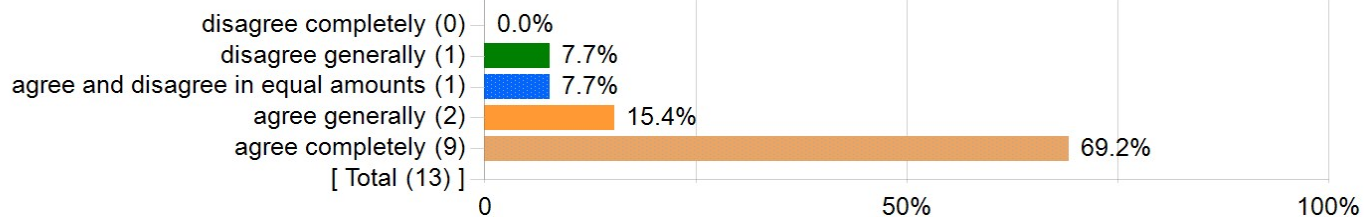
Statistics	Value
Mean	5.00
Standard Deviation	0.00

3. The instructor was well prepared for class.



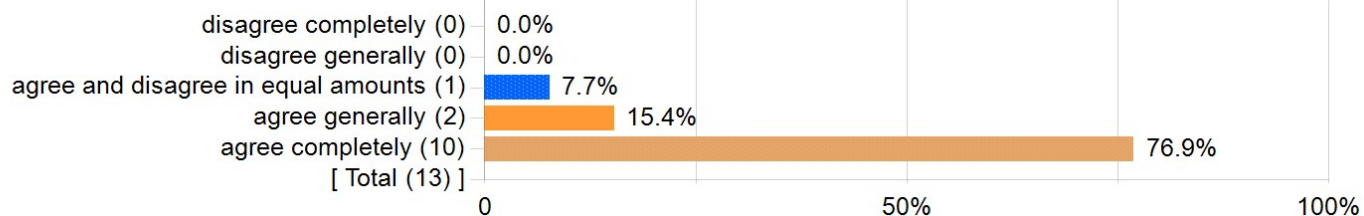
Statistics	Value
Mean	4.92
Standard Deviation	0.28

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

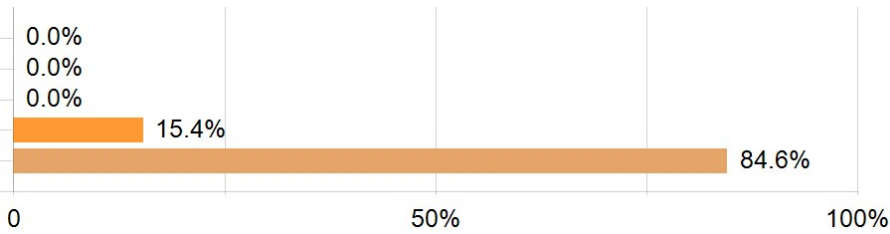
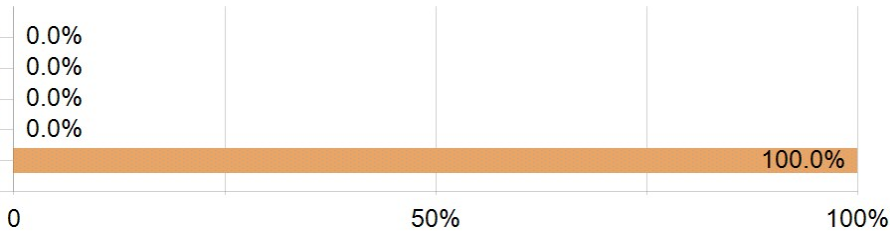


Statistics	Value
Mean	4.46
Standard Deviation	0.97

5. The instructor created a hospitable environment for learning.

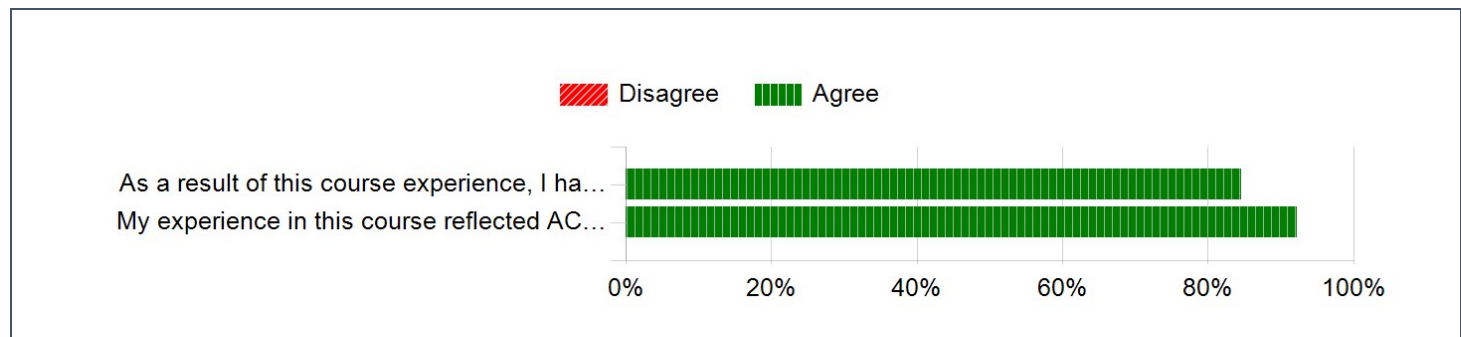


Statistics	Value
Mean	4.69
Standard Deviation	0.63

6. The instructor treated me with respect and fairness.	
disagree completely (0)	0.0%
disagree generally (0)	0.0%
agree and disagree in equal amounts (0)	0.0%
agree generally (2)	15.4%
agree completely (11)	84.6%
[Total (13)]	
	
Statistics	Value
Mean	4.85
Standard Deviation	0.38
7. The instructor was receptive and responsive to my questions and concerns.	
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 (13)	100.0%
[Total (13)]	
	
Statistics	Value
Mean	5.00
Standard Deviation	0.00
The instructor communicated the course material clearly.	
Comment	
- Dr. Drach has been the best professor when it comes to communicating the course material. You can tell he enjoys teaching the material and that he knows it very well.	
- Excellent and clear in lectures.	
The instructor showed a genuine interest in the subject and a desire to share it with the students.	
Comment	
- Very much so enthusiastic about the material.	
The instructor was well prepared for class.	
Comment	
- Very prepared for all sorts of questions as well as knowing which slide to go to when.	
The instructor graded assignments and/or exams in a timely manner.	
Comment	
- Exams were grading very timely	
The instructor created a hospitable environment for learning.	
Comment	
- The environment was relaxed, fun, and still very productive. Very good.	
The instructor treated me with respect and fairness.	
Comment	
- Always open to questions, answering the best he can, and being incredibly kind and respectful the entire time	
The instructor was receptive and responsive to my questions and concerns.	
Comment	
- The instructor as was always available to provide assistance as needed.	

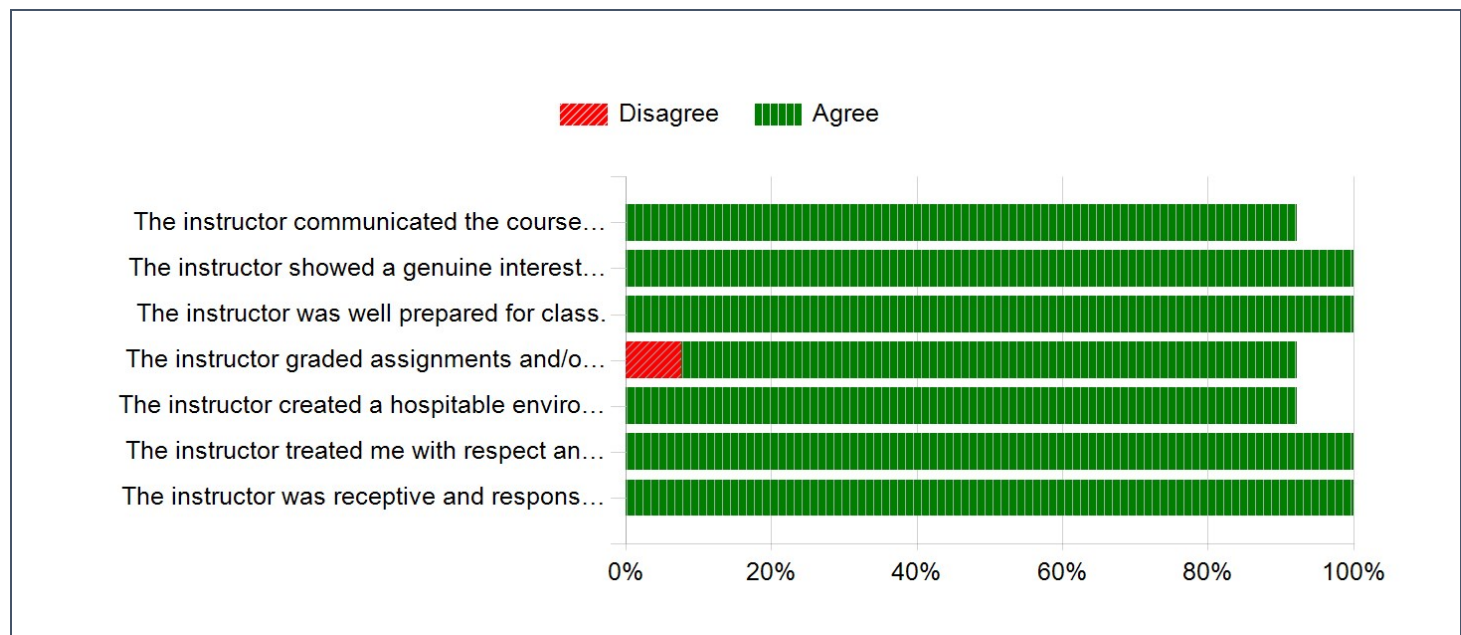
Course Questions: - Aggregate Chart

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

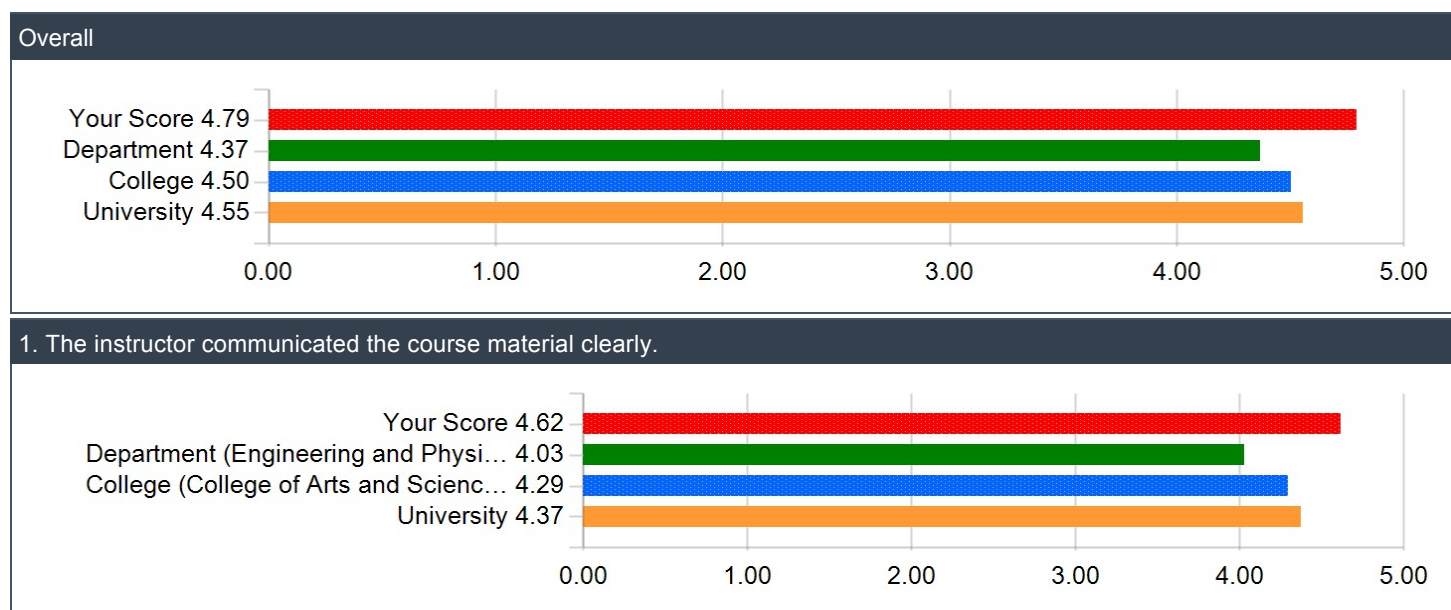
Note that in the following aggregate chart "Agree Completely" and "Agree" have been grouped together as "Agree" while "Disagree Completely" and "Disagree" have been grouped together as "Disagree" and "agree and disagree in equal amounts" is not included on this chart.



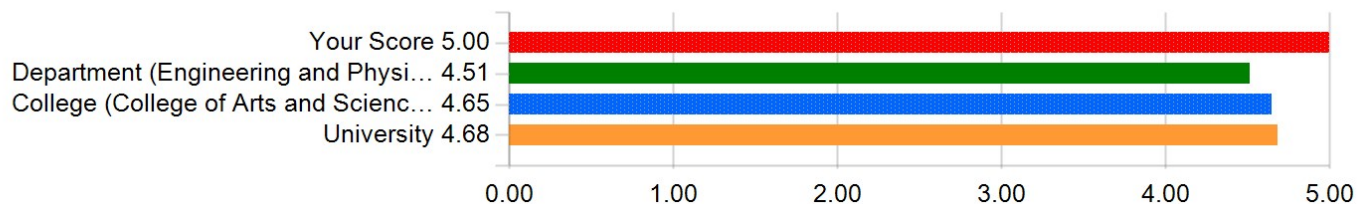
Course Questions: - Comparative Scores



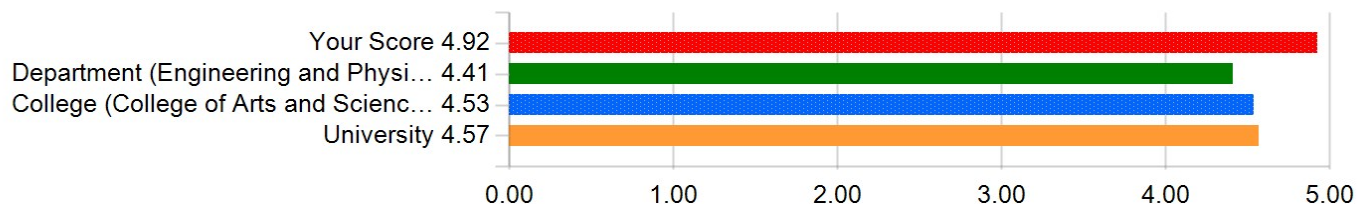
Instructor Questions: - Comparative Scores



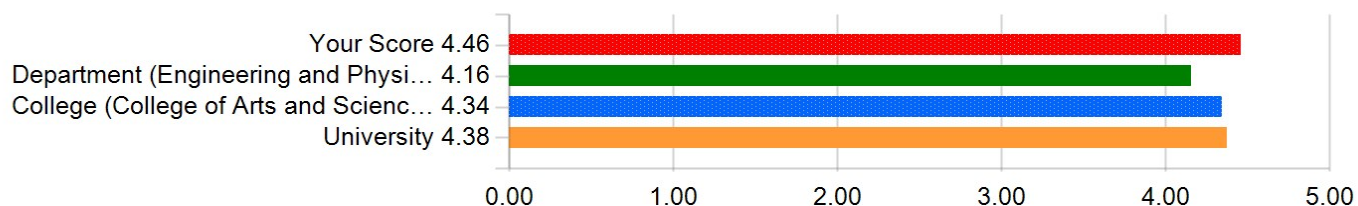
2. The instructor showed a genuine interest in the subject and a desire to share it with the students.



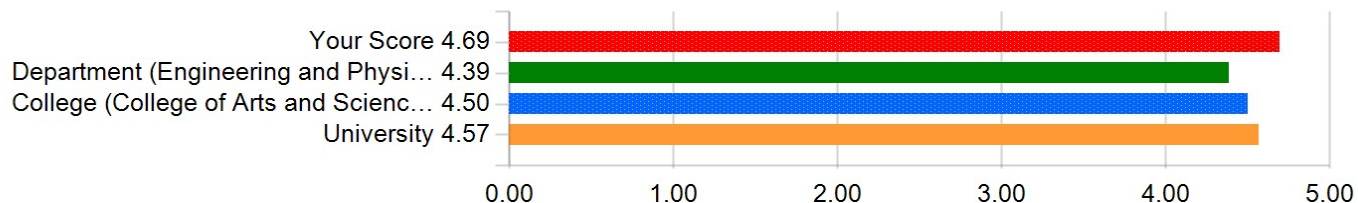
3. The instructor was well prepared for class.



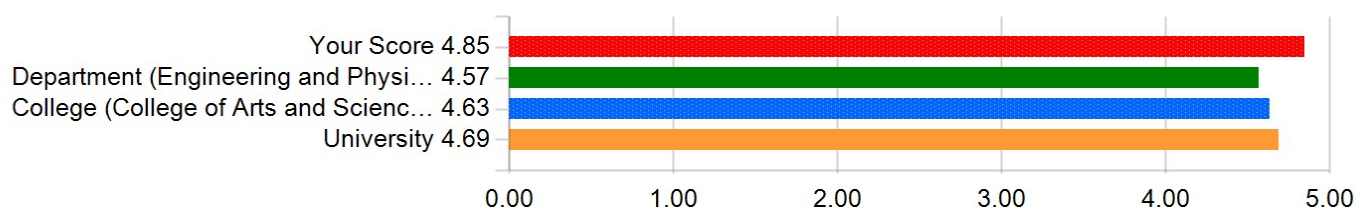
4. The instructor graded assignments and/or exams in a timely manner.



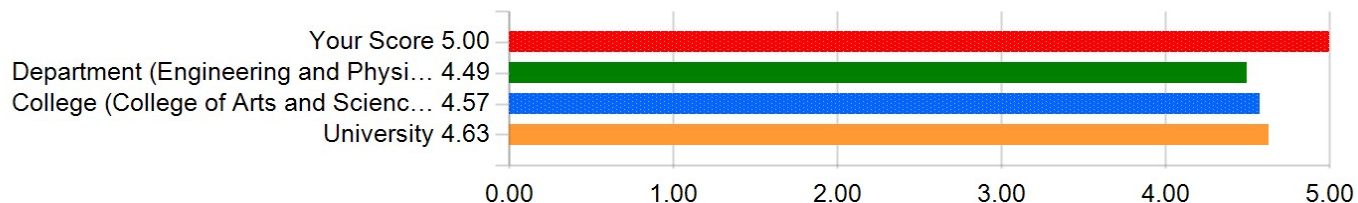
5. The instructor created a hospitable environment for learning.



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	The instructor showed a genuine interest in the subject and a desire to share it with the students.	Instructor Questions:	5.00
2	The instructor was receptive and responsive to my questions and concerns.	Instructor Questions:	5.00
3	The instructor was well prepared for class.	Instructor Questions:	4.92
Areas for Improvement			
1	The instructor graded assignments and/or exams in a timely manner.	Instructor Questions:	4.46
2	As a result of this course experience, I have a better understanding of the subject matter.	Course Questions:	4.62
3	The instructor communicated the course material clearly.	Instructor Questions:	4.62

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

Comments
I often find the homework can be overwhelming but I genuinely think it is helpful for success in the class. I found it helpful that we were able to correct a test this semester, I understand the material on it way more thoroughly now than I did previously and it was helpful to not have a bad test grade ruin your course average. Dr. Drachenberg is one of my favorite professors, he knows how to teach well and always made the class exciting. I will miss being in EP 2!
The class catered to the students learning and engaging
Dr. Drach had a ton of out-of-class review sessions to help clear up the material, but most of class was conceptual.
Very knowledgeable about the information being taught and provided lots of resources to try to understand the material. Grading system is well thought out and very generous with grading tests which is very motivating to try my best to understand the information.
Provided problems to work on in class.
Dr. Drach brought a lot of demos into class that really made the material interesting and tangible. For example, during the magnetism unit he brought in his electric guitar and explained how it worked—that was more than a little cool! Additionally, he always seemed really excited about the stuff he was teaching, which naturally meant that I was always excited about the stuff we were learning, and then everyone is just excited and having a great time. Loved this course!
(Oh, and the review sessions were very helpful.)
I really appreciated you offering extra time and trying to find a time that fits well for lots of people in the class for a review session. Those were very nice to have. I liked the homework layout so that I had the harder, longer ones over the weekend when I had time and the shorter, easier concept homeworks were at the beginning of the week when I was busiest.
Explanation of the material and examples in real life
He always had good lectures and made online lectures too that we could go back and look at which were helpful
Helped in one on one sessions
Was very organized.
All the previous comments summarize the effectiveness made by the instructor. The openness, hospitable environment, enthusiasm, eagerness to help, and the fun, productive, relaxing nature of lectures all made the class very effective.
Dr. Drachenberg presents course material in a efficient, educated, and entertaining manner! Allowing group discussion and debate is crucial and creates a phenomal atmosphere for learning.

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

Comments
Things that would be helpful for this course would be more extra credit work or opportunities to bring up your grade (it is very very hard to get an A in this class, I wish it was slightly more obtainable). Ending lectures on time would be nice too, I understand it is hard to fit all of this challenging material into 50 minutes only 3 times a week, but ending class late almost every period is hard for students who want to be respectful but still have other classes to get to in only 10 minutes time.
The course doesn't allow for much wiggle room as far as going at your own pace
I think that if either class was less conceptual and/or assignments were less quantitative students would do better overall. It took most of class to get through one or two simple example problems that were the most basic questions we'd get on homework, so doing work outside of class was really hard. I think the best way to actually improve the course would be to increase the amount of instruction, because right now it's trying to cram 15+ chapters that each took years to develop into 3-hour course.
For reviews, it would be great to have some example problems to work through other than just having concepts to study and referring back to previous problems that have already been worked through.
The amount of homeworks was excess in my opinion. It is helpuf for students to get homeworks on the class materials but too uch of it ends up discouraging students in a way that they don't work on them themselves. Too much might be in terms of number of problems or number of homeworks in a week. So, when given too much, they loose track and that's when chegg and other online materials come in place so that they can manage getting all the homeworks done.
I don't think we did much to review material after an exam. It might have been a bit helpful if we had gone over the tests after-the-fact a bit more in class, but that's not a huge thing that can also be done on our own time, so I understand why other things may take priority.
I wish the review sessions would've been going over problems closer to or almost exactly what was going to be on the test instead of trying to re-go over some of the topics. I could generally understand why and what we doing in class, but applying that to a test was hard for me unless I had already done a problem very close to what was on the test.
From my own personal experience, forcing me to go to your office to discuss corrections actually helped me a lot! I think if I had been forced to go to your office for help sooner, I would've come more often for help and done a lot better in the class. It's just hard making the time and it's weird for me to do something out of the normal (I'm a stickler for routine). Going to your office for help was very beneficial to me and I should've started that last semester.
N/A
Have less homework. Every class we would be assigned problems where we would have to write out every part of the question while also actually solving it which took an unnecessary amount of time
Better handout/review for exams!!!!!!!!!!!!!!!!!!!!!!
Focus more on the most difficult topics.
Continue to do everything the way you are doing them, keep up the energy and willingness to help students along through this tough class.
Nothing in particular, the course goes well, maybe shorter homeworks.

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

Comments
It was good
I love Drach, and think he's a great professor, just that the expectation of us retaining much, if any, information is unrealistic in the current setup.
Despite covering some very complex material, I still felt like I was able to somewhat get a grasp of what was going on.
Was a pleasure being part of your class!
Loved this class! It was difficult but not unreasonably so, and very interesting. I also thought it was really cool how Dr. Drach would do a short devo at the start of every class: that was always a really cool way to start my day!
I've really enjoyed your class and I like the structure of it! Thank you so much!
n/a
Dr. Drachenberg is an absolute asset to ACU's teaching staff, and Engineering and Physics Department.