

Total Enrolled:	104	SECTION							UNIVERSITY																						
		Relative Frequency							Relative Frequency																						
		Strongly Disagree ↔ Strongly Agree		1		2		3		4		5		NA		Mean		Strongly Disagree ↔ Strongly Agree		1		2		3		4		5		NA	
1.	The instructor communicates clearly and understandably.	0.0	0.0	0.1	0.4	0.6	0.0	4.5	0.0	0.0	0.1	0.3	0.5	0.0	4.3																
2.	The instructor is prepared for class.	0.0	0.0	0.0	0.3	0.7	0.0	4.7	0.0	0.0	0.1	0.3	0.6	0.0	4.5																
3.	The instructor is reasonably available outside of class.	0.0	0.0	0.1	0.3	0.5	0.0	4.4	0.0	0.0	0.1	0.3	0.5	0.0	4.4																
4.	The instructor makes students feel free to ask questions.	0.0	0.0	0.1	0.4	0.6	0.0	4.5	0.0	0.0	0.1	0.3	0.6	0.0	4.5																
5.	The instructor is concerned about the student.	0.0	0.0	0.0	0.4	0.5	0.0	4.5	0.0	0.0	0.1	0.3	0.6	0.0	4.4																
6.	The instructor encourages class participation.	0.0	0.0	0.0	0.3	0.6	0.0	4.6	0.0	0.0	0.1	0.3	0.6	0.0	4.4																
7.	The instructor provides constructive feedback on graded material.	0.0	0.0	0.1	0.4	0.4	0.0	4.2	0.0	0.1	0.1	0.3	0.5	0.0	4.2																
8.	The instructor returns graded material promptly.	0.0	0.0	0.1	0.3	0.6	0.0	4.5	0.0	0.0	0.1	0.3	0.5	0.0	4.2																
9.	The grading criteria were clearly explained and followed.	0.0	0.0	0.0	0.3	0.7	0.0	4.6	0.0	0.0	0.1	0.3	0.5	0.0	4.3																
10.	The course covered the announced objectives.	0.0	0.0	0.0	0.3	0.7	0.0	4.7	0.0	0.0	0.1	0.3	0.6	0.0	4.5																
11.	The text and course materials were useful learning aids.	0.0	0.0	0.1	0.3	0.5	0.0	4.3	0.0	0.0	0.1	0.3	0.5	0.0	4.2																
12.	The assignments and homework were useful learning aids.	0.1	0.1	0.2	0.3	0.4	0.0	3.9	0.0	0.0	0.1	0.3	0.5	0.0	4.3																
13.	The examination questions or paper topic related to the course material.	0.0	0.0	0.0	0.3	0.7	0.0	4.7	0.0	0.0	0.1	0.3	0.6	0.1	4.5																
14.	The level of this course was intellectually challenging.	0.0	0.0	0.1	0.3	0.6	0.0	4.4	0.0	0.0	0.1	0.4	0.5	0.0	4.2																
15.	Optional Question 1	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0															
16.	Optional Question 2	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0															
17.	Optional Question 3	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0															
18.	Optional Question 4	0.0	0.0	0.0	0.0	0.0	1.0	0.0	V.Poor	Poor	Satis.	Good	Excel.	Mean		V.Poor	Poor	Satis.	Good	Excel.	Mean										
19.	Overall, how would you rate this instructor?	0.0	0.0	0.0	0.5	0.4	4.4		0.0	0.0	0.1	0.2	0.6	4.3																	
20.	Overall, how would you rate this course?	0.0	0.0	0.0	0.6	0.3	4.2		0.0	0.0	0.1	0.3	0.4	4.1																	

ARTSC

Comments

a) the course

- Cool examples and good notes
- Course was at a good challenging pace
- Difficult for me but it was well planned and engaging
- Good
- Good course homework's are acutally terrible takes forever to complete and is insanely hard questions are wored awful and dont apply to class
- Grasping the concepts just from class was a little difficult but a quick office hour visit helped a lot
- I enjoyed this physics course I felt I was very challenged through this course and the resources that the course offered made it very easy to ask for help and get my questions answered
- It had a good setup and the tests and labs aligned with our learning
- It's a good introduction to physics Some of the material I covered in high school and the new parts weren't too difficult to understand
- Material is synchronous with calculus which was helpful no complaints
- None
- Strengths- I enjoyed how we did a lot of practice problems and they were explained in order to better our understanding of the material I also was glad we did the pre-class videos because they helped me understand what I was going to learn that day Weaknesses- I wish we got a little bit more of a recap of the weekly readings because while I tried to complete them there were days where I simply didn't have time to do so
- The course is challenging but it is not difficult The lectures are more often than not just a carbon copy of the pre-class videos and I feel that is a huge disadvantage since they could easily cover more material in depth if the lectures weren't identical to the videos
- The course is challenging especially if you miss classes and labs But TAs and the professors have lots of office hours available if you need help you can just drop by The weakness of the course I could say is that most of the homeworks dont really help prepare for the exam I wish the home actually had the kinds of questions that might be on exams That would have been very useful
- The course relies on a wide variety of materials and sources which can make things confusing or repetitive at times The combination of both theoretical lectures and hands-on labs is beneficial to truly understanding concepts
- The course was challenging but understandabe
- The course was great and learned the material well The homeworks were not helpful and did not really relate to class that much
- The course was well set up and easy to follow and the homework and tests were very fair
- The pre class videos and the in class lectures sometimes feel like they don't line up and that the class is about one day ahead of the pre class videos I feel like this made it more confusing in class
- The reading was somewhat hard to follow at some points and seemed harder to understand then the lecture
- Very challenging Sometimes I felt like the readings just had too much information like I wanted to just read the important parts
- Very good overall see no weaknesses
- Was an overall good course I liked it

- Was good the text book didn't really help though
- Wasn't a fan of the bookwork and reading required yet I did enjoy the class
- While the videos are a fantastic resource they don't feel like they should be a mandatory part of the lecture but rather as an additional resource students have access to
- doing the homework can be a little bit stressful partial penalty is given for each wrong answers
- none
- strengths - number of different assignments and videos explaining and teaching the material weaknesses - lecture time feel like there isn't enough to fully cover everything as in-depth as we need
- was very thought provoking and was structured very well to allow the material to build off from previous topics covered The only thing that could've helped would've been to provide more in class time to review material before exams

b) the instructor's teaching

- the color coding during example problems was very helpful and the repetitive approach we did for each problem was helpful as well- most times it felt like the problems in class were being rushed and it became hard to follow once we got going during review- handwriting was a little hard to read sometimes especially if far away sorry ben
- A lot of the class time was spent reiterating points
- Breaks down components very well and difficult ideas into little notes that I can remember easily Really appreciate the ample amount of example problems in class These are well covered and helpful in how each problem is dissected
- Can be a little confusing sometimes
- Elite Very good at teaching and giving students the opportunity to answer questions and participate Not teachers' fault for having a tough crowd of shy students
- Good
- Good fine even
- He did a good job explaining the course but understanding his handwriting can be hard
- He makes sure to walk around and help students that need help
- He taught great and kept an engaged class No improvements
- Honestly amazing He is always on top of everything great effort and care for the students Gives more than enough resources and is always available to help
- I liked Prof Roulston the only downside was his office hours conflicted with my schedule which is not his fault Great teacher
- I really liked the in class teaching however I didn't love the pre class videos I felt like I often didn't learn much from them and sometimes they were one class behind
- Instructor made it feel like he truly cared about the students
- It would be helpful if once he asks for questions if he waits a moment Sometimes I had one but needed to think it through I would like if he went through one example with more time than only doing the first part of 3 questions in class I think I'd learn more Sometimes he goes

- through things very fast which I can't understand He cares about us and is interesting to listen to
- Overall Professor Roulston was great except his penmanship could be a little better on the board otherwise no complaints
 - Overall decent could be more engaging in class but explains things well
 - Professor Roulston is not the greatest instructor but I understand that it is his first year as a professor I'm sure that he will be a good instructor once he has more experience He definitely needs to work on introducing concepts in the lectures and going in-depth in regard to new concepts
 - Professor Roulston made understanding the material very easy The inside and outside of class format of learning was very beneficial to me and I was able to understand a lot of the information ta
 - Sometimes sped through things a little and class might not have been long enough because we were rushed for time a lot
 - Strength Very clear in his explanationsWeakness Doesn't make the class very engaging
 - Strengths-I feel like Professor Roulston was a strong instructor in the way he was willing to explain any topics that people were confused about He also was very nice and willing to help in office hours if needed Weaknesses-There were a few times during class where Professor Roulston went a little too quickly with his work and just showed his answer without showing how he got it which caused confusion
 - Teaching pace sometimes felt as if it spent more time explaining simpler concepts than the challenging ones This could be in part due to a lack of communication from students Overall concepts and examples were well explained during lecture and fairly easy to follow I appreciated the effort made to include students in a variety of ways in lectures and labs encourage feedback and questions and keep flipped classroom videos concise
 - The instructor did a good job at covering all the material and providing example problems to apply what we learned The instructor did drag on with certain problems we were doing which made the lectures as a whole feel slow and repetitive
 - The instructor is amazing he encourages students to participate even when students seem nervous he uses points solutions for students to participate with clickers The demonstration he did in class were useful The video recording during lectures were helpful because you could go back and rewatch it if you had any confusion during lectures
 - The instructor taught well and made sure to let us work on problems independently and with the class which was very helpful for us to learn the material
 - The instructor was great at teaching and checked in frequently with the class to make sure we didn't have any questions
 - Very helpful during office hours great teacher
 - strengths - always explains everything well passionate about what he's teachingweakness - sometimes explains things as if he was teaching a graduate level course instead of an intro physics course without realizing it
 - the instructor makes it free to ask questions and always encourage his students to go to extra help our TA Khem is also excellent he is patient to explain stuff to his students thoroughly
 - very prepared

What improvements would you suggest?

- when doing example problems having a more structural and organized approach visually might help students follow along better and organize the information in their heads- it felt like the last part of the puzzle piece was missing when we went over problems step by step and then skipped over the algebra not talking about when we would plug values into equations but more so when we would manipulate equations even though time is limited in lectures it might help students really solidify what they're learning if that extra step was taken

- A sheet with all the formulas that will be used in the class
- BETTER HOMEWORK PLEASE
- Being confident in lecturing
- Better office hours on Thursday
- Going through less examples in class but more thoroughly in the ones we do do
- I do not have many suggestions for anything I have had a well experience with this course and with the teaching
- I don't have any suggestions for this course
- I would suggest possibly using a more guided notes format like Dr Jim because it was very difficult sometimes to keep up with notes because I was trying to copy the whole problem down and the solution I also wish we had a weekly discussion class for this course like we do for Chemistry and Calculus
- If the material in the flipped classroom videos is repeated during lecture there is no real reason to require the videos It was remarked by the professor that the readings were important because they covered material we were unable to in lecture time but would it be possible to include more of the information in flipped classroom videos then Additionally I believe there are websites similar to Point Solutions that do not require students to pay for a subscription If the lectures continue to be recorded on Zoom I believe there is a similar function on there that could serve as a possible alternative
- Make sure the pre class videos align with the in class material better
- Make the class more interesting and if possible improve the feedback system on the homeworks
- NA
- None
- None
- None
- None
- None besides what I stated in part b
- None
- Possibly ask direct questions He sometimes just asks for the class in general and I feel bad when no one answers him
- Professor Roulston should work on how he discusses topics in the lectures he could definitely improve on how he expands on the topics presented in the pre-class videos
- Provide more in class time to reinforcing material rather than just working through an example problem
- Removing or redoing the pre class videos because the concept is good but they just didn't follow along well
- The class was great other than the homework problem previously described
- The only thing I wish was different was if had clearer hand writing
- The writing on the board was often very difficult to read
- if the homework can be like calculus no penalty is given within the tries but instead no credit after out of tries it will be less stressful

- none
- none
- none