

Total Enrolled: Number / Percent Responding:	93 36 / 38.71%	SECTION <i>Relative Frequency</i> <i>Strongly Disagree ↔ Strongly Agree</i>							UNIVERSITY <i>Relative Frequency</i> <i>Strongly Disagree ↔ Strongly Agree</i>						
		1	2	3	4	5	NA	Mean	1	2	3	4	5	NA	Mean
1. The instructor communicates clearly and understandably.		0.0	0.0	0.0	0.3	0.7	0.0	4.7	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	0.2	0.8	0.0	4.8	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	0.0	0.2	0.7	0.0	4.7	0.0	0.0	0.1	0.3	0.5	0.0	4.3
4. The instructor makes students feel free to ask questions.		0.0	0.0	0.0	0.1	0.8	0.0	4.8	0.0	0.0	0.1	0.3	0.6	0.0	4.4
5. The instructor is concerned about the student.		0.0	0.0	0.1	0.2	0.7	0.0	4.6	0.0	0.0	0.1	0.3	0.5	0.0	4.3
6. The instructor encourages class participation.		0.0	0.0	0.1	0.2	0.6	0.0	4.5	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	0.3	0.6	0.0	4.4	0.0	0.1	0.1	0.3	0.5	0.0	4.1
8. The instructor returns graded material promptly.		0.0	0.0	0.0	0.2	0.7	0.0	4.7	0.0	0.1	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	0.6	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	0.2	0.8	0.0	4.8	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	0.1	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.		0.0	0.0	0.2	0.3	0.5	0.0	4.2	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	0.1	4.7	0.0	0.0	0.1	0.3	0.5	0.1	4.4
14. The level of this course was intellectually challenging.		0.0	0.0	0.1	0.2	0.8	0.0	4.7	0.0	0.0	0.1	0.4	0.4	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	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	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	1.0	0.0
18. Optional Question 4		0.0	0.0	0.0	0.0	0.0	1.0	0.0	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	0.3	0.7	4.7		0.0	0.0	0.1	0.3	0.5	4.3	
20. Overall, how would you rate this course?		0.0	0.0	0.1	0.4	0.5	4.3		0.0	0.0	0.1	0.4	0.4	4.1	

Comments

a) the course

- Amazing course
- Course covered all the topics well Homework was based off reading but exams were based off lectures
- Course is fun an easy yet challenging in some parts but not too much course that i can actually look forward to
- Good material very nicely divided into units and subtopics Exams are very fairly written and graded
- I absolutely loved this course even though I don't plan on going much into physics the course was very enjoyable and interesting
- I feel that the homeworks are often very confusing and time consuming and I wish the homeworks were more accurate to test material and in class examples
- It was good at preparing me for tests but i feel homework could have been applied better
- Not sure if I'd want the reverse classroom method for every class but if it did happen I'd understand the material a lot more since I'd be spending a lot more time with it So while the reverse classroom forced me to spend more time on the class it worked in making me understand it better and faster
- Prof Roulston was a great professor he always offers different ways of explaining things to students and communicates clearly and effectively in lecture I am a student who has a very difficult time learning in lecture classrooms and what I find helpful that Prof Roulston does is he writes out solutions on his ipad with different colors so students can see where each term is coming from Additionally he is respectful to students who ask questions during the lecture and if it is a question that requires a lot of time to explain he will remind them of his office hours and tell them to stop by I respect this professor very much
- Strengths understanding the material weaknesses teaching yourself topics by yourself and going over all example problems in class Wish he could explain some more concepts in class
- The course is no doubt difficult and not necessarily for the work but for the learning part of it Ive found its easy to do physics and hard to understand it even harder to apply it I think the course is as well done as it can be however I wish there was more accessible practices we could click through so I dont have to search through notes Like moodle modules would be useful similar to what chem uses I dont like expert TA and I know many share in that but I understand its hard to fully ask physics questions with limited ways to answer I also wish we got more buildup from easier to harder questions I feel sometimes questions can go from easy to difficult somewhat randomly And when I say easy I mean very easy application problems like a minute or two each before we begin to build up Its easy to get lost when you didnt apply the discussed topic until you get to a multi-part proble and this course does that a lot
- The course is tough and can be very hard to understand and properly understand
- The course is very good
- The course was difficult but taught in a reasonable order
- The course was fine but I thought I would enjoy it more
- The homework is hard but it makes the tests feel easy
- This course was very challenging but crucial towards understanding more complex topics
- This flipped classroom idea is not a good idea in any regard Teachers actually teaching the material is how students learn This has been the

hardest course to digest by far I'm on track for a 40 gpa so I do the work and try to teach myself but it makes the course 100x harder and it's not close

- Very interesting course in which you learn alot
- the flipped classroom was very helpful
- very easy to understand some challenging portions but overall fun and enjoyable

b) the instructor's teaching

- Dr Roulston is very impressive I learned not long ago hes a rather new professor and I have to say he does a very good job Ive had the pleasure working with him before and he continues to deliver in his clarity and aptitude at physics Ive heard multiple people say his section is by far the most optimal as his explanations are always clear I really appreciate how he contextualizes things within the class using real examples As someone who has never taken a physics course before it was very helpful Dr Roulston is indeed a very good fit to teach here at clarkson and has done some great work
- He was a good professor however it was sometimes difficult to follow because he would assume we knew a lot at the start
- He was prepared for class every day He explained topics decently well I wish he would have spent a little more time per day actually explaining the problems instead of just going through them
- I like the instruction approach and style It is a little difficult following along with everything however if gets what is needed
- I loved my professor he was entertaining and made class enjoyable also very helpful and offered a lot of one-on-one help even in lectures
- In class the instructor is very good and amazing The downside is the videos and reading outside of class which is tough to understand and often has to be retaught or clarified outside of class
- Instructor was a good teacher
- It was very good and fit my style with examples used in class
- One of the best teachers Ive ever had in my life has to be one of the best on Clarkson
- Professor Roulston really cares for his students and gives further explanations when needed
- Sometimes he makes things seem simple when people are confused
- Strengths Makes sure students are prepared before a testweaknesses example problems are sometimes very challenging
- The instructors teaching was good and helpful
- Topics are explained very well class demonstrations are very helpful
- Very clear many examples and resources asked for what people were struggling with all strengths
- Writes out all of his work to explain every answer Can sometimes be slightly unorganized or hard to follow
- as said before the flipped classroom was very helpful especially being able to get help in class
- goated teacher makes the class fun and always open to questions and asking for help
- great teacher love the way they teach and how easy they are to get help from

What improvements would you suggest?

- A better homework system Expert TA is very finicky
- Change the type of homework like the platform that it is completed on
- Explain problems more in depth I feel like a lot of people learn better and can solve questions better when they know exactly why things are happening Not just going through steps because it's the right way to solve them
- Go over more concepts in class
- Homework doesn't reflect the magnitude of what we learned in class they're a bit tedious and difficult
- I suggest having more TA office hours especially for difficult homework
- I think I would have benefited from a smaller sized physics class like a discussion class in other subjects
- I think he should explain things a little more in class because sometimes they forget to explain stuff from the IR
- Incorporate more of the reading material into class so that the homework is less reliant on self teaching
- Less focus or emphasis on video recordings and reading
- None
- Not much to say here absolutely amazing prof
- PLEASE REMOVE THE FLIPPED CLASSROOM IT IS NOT CONDUCTIVE TO LEARNING IN ANY REGARD
- Putting out exam review sooner
- Sometimes questions or one on ones can be a little intimidating but I believe it can be boiled down to a learning curve I think structuring some questions to build off of previous knowledge can be helpful over the sometimes straightforward to the point questions he asks which the class sometimes struggles to answer even if they're very simple Sometimes his proficiency can be intimidating And though he is definitely open to questions and is most certainly not rude or unfair I think he may benefit from making his intentions clear I feel it would be helpful in physics to be reminded that it's okay to get things wrong even if on the surface they're simple or even make themselves known It's common in a course like this to overthink and I think students would benefit at being reminded that that's ok and it's okay not to immediately know an answer even if we just did it for example That may help students fall out of the trap of overthinking in the future if they got comfortable with being wrong so that they can correct it I also wish I got to see Roulston teach in courses more his style Sometimes he gives basic examples in physics about our universe and they are always the most interesting It would be so cool to see him in an astrophysics course or cosmology because he is clearly so well versed in it and there's a lot of potential for a great course for those of us who would like to expand our application of physics
- actually nothing you could give me 1000 years and I couldn't come up with something
- it might be nice to have a little more time to do the questions in class before they are gone over
- none
- none
- none