

### Question 5: Other resources that were helpful:

Supplemental workshop

6/5/2018 3:40 PM

PHYS 121 Workshop

6/5/2018 3:25 PM

Workshop! Darya played a huge role in my success!

6/5/2018 2:56 PM

workshop

6/5/2018 2:45 PM

Tutor

6/5/2018 2:43 PM

i used google and friends from other classes

6/5/2018 2:09 PM

Khan Academy, yahoo answers, previous knowledge

6/5/2018 1:43 PM

Other online lectures just like yours, on some topics. Veritassium !!

6/5/2018 12:23 PM

random google searches

6/5/2018 12:17 PM

youtube

6/5/2018 8:50 AM

I enrolled in Darya's supplemental workshop and I can confidently say that she, that workshop, and the other four students in that workshop are the main reasons I'm doing anything well at all in PHYS121. If I'm being completely honest, if it weren't for that workshop, I don't think I'd care to try in this class or bother trying to do well in Pete's flipped classroom/concept based method. I passionately did not want to take Physics ever, but Darya and her workshop actually make me want to learn and it encourages me to try my best to do well and actually understand the physics.

6/5/2018 4:48 AM

Working on problems in groups.

6/4/2018 10:35 PM

workshop

6/4/2018 10:08 PM

My high school physics teacher

6/4/2018 9:17 PM

my roommate helped me out when I had questions

6/2/2018 10:52 AM

### Question 10 – “Please offer any other thoughts / requests / advice with respect to the textbook.”

I only think we should receive it all on the second day of class because I can get a binder and store it all in there, and then I can take out the small sections that I need for the day. It would be really cool to have the option and to let students know that this is something they can do!

6/5/2018 3:51 PM

More explaining of problems like you do in the videos. Maybe use an example problem each section.

6/5/2018 3:25 PM

I watched the assigned videos and then did the reading. I feel like the textbook supplemented the videos nicely

6/5/2018 2:56 PM

I liked the textbook. All the "fluff" was gone it made it short and to the point.

6/5/2018 2:50 PM

normal textbook would be appreciated.

6/5/2018 2:09 PM

The textbook was very helpful, I liked that it was short and to the point, but this sometimes resulted in it being TOO abrupt, so just a little more depth in some of the sections would help.

6/5/2018 1:43 PM

Nothing to add, useful and effective

6/5/2018 12:32 PM

n/a

6/5/2018 12:23 PM

NA

6/5/2018 12:17 PM

I really liked this textbook! If I ever got stuck on a problem or concept I was always able to 1) find the information I was looking for thanks to its length and organization and 2) clear up my confusion especially with the given examples and drawings.

6/5/2018 11:48 AM

I did like this teaching method. I do feel like students who had prior experience with physics may have had an advantage with this style specifically, but that may merely be for every style also.

6/5/2018 11:30 AM

I would have liked answers to all examples problems immediately available, otherwise I am super confused/ doubtful that I have understood the concept. I need the assurance that the mental process I went through to solve an example problem was aligned with what the text was trying to explain. the uncertainty affected my learning negatively.

6/5/2018 8:50 AM

At first, I was like "oh God he writes his own textbook," but I've come to really appreciate it because I feel that Pete thoroughly understands the various concepts and has put it in his own words. He's simplified it, yet ensured that he's captured all of the important information that pertains to the different subjects. I didn't appreciate it at all in the beginning, but as we're rounding the end of the quarter, I wish I had better utilized the textbook. I love how Pete offered hard copies as I learn better with the text physically in my hand. Another great thing about the textbook that I wish I had taken advantage of are the practice problems at the end of each chapter. The problem sets are awesome in that they help ensure that students are trying out those problems to gain a more cohesive understanding of each chapter we cover.

6/5/2018 4:48 AM

The textbook I think was super helpful for me in this class. It was an easy resource for me to look back at things we had gone over in a nice order and it was easy for me to understand which I really appreciate. Sometimes textbooks get too wordy and I tend to lose my focus on what I am ready. I did not have that problem with this textbook.

6/4/2018 10:35 PM

the online format was nice, i sometimes wanted a little more defining and info written out in the book

6/4/2018 10:08 PM

More engaging reading describing the equations would be useful. Walking us through a few examples would be nice.

6/4/2018 9:17 PM

I think that answer keys for the practice problems would be very helpful to know if we are on the right track

6/4/2018 1:27 PM

There should be a master formula sheet, because the concepts should be what is focused on, not writing down the specific formulas

6/3/2018 10:10 PM

seems to be effective

6/3/2018 8:32 PM

none

6/3/2018 5:21 PM

I liked how the textbook was short and simple, more visuals would be nice so the text can be seen in a more visual way.

6/2/2018 10:52 AM

**Q11** – “Few students came to office hours. Please explain why you did/didn't come and what this was like for you.”

I came to 2 of your office hours. I didn't really have time with the videos and other classes to come to office hours. I also didn't know what to ask.

6/5/2018 3:51 PM

I came in twice, but with nine hours of physics a week, I didn't want to do more.

6/5/2018 3:40 PM

Once went and felt a little discouraged, but overall OK. I didn't go as often because I was enrolled in the workshop and was very busy or had class during the times.

6/5/2018 3:25 PM

I came to office hours whenever my study group was stuck. However, I found it easier to ask my workshop leader out of convenience.

6/5/2018 2:56 PM

You push consulting your group as the solution to every problem, but sometimes we need you to just help us understand.

6/5/2018 2:50 PM

I came to a few office hours to go over the projects. It was usually difficult for me to come into office hours because the times conflicted with my class schedule so I usually asked my workshop leader questions.

6/5/2018 2:45 PM

I didnt have time.

6/5/2018 2:09 PM

I typically had more success working through things myself or using other resources. Also it's on the 6th floor of Baker and I just didn't really want to make that trek if I didn't feel like it made a substantial difference.

6/5/2018 1:43 PM

Bad times that conflicted with labs and other classes. Didn't need

6/5/2018 12:32 PM

I showed up once

6/5/2018 12:23 PM

I didn't have time and I didn't have too many questions

6/5/2018 12:17 PM

I came a few times to check the work on my projects before handing them in and thought it was helpful.

6/5/2018 11:48 AM

I came to office hours a hand full of times, and every time it was very helpful. Usually, only if I had questions, but they were always answered and I'm grateful for the help.

6/5/2018 11:30 AM

fear

6/5/2018 8:50 AM

I was thinking about this recently, actually. I think Pete is an awesome professor who really goes above and beyond to provide his students with all the resources they need to succeed in his class. I've sat down to talk with him once in the beginning of the quarter and I wish I had gone to chat with him more. He's extremely approachable, patient, and encouraging; however, I think the reason I never went back is because I relied so heavily on my supplemental workshop. The workshop is helping me so much that I substituted the workshop for Pete and figured that whatever help I needed I could find at my workshops. Towards the end, however, I began to think that although I did end up getting most (if not all) my questions answered in workshop, it would've been nice to have received help from Pete as well.

6/5/2018 4:48 AM

I didn't feel prepared enough to come to office hours. I felt like I did not spend enough time trying to understand the material on my own first, so I did not want to ask questions if it was something I had not tried to figure out myself first.

6/4/2018 10:35 PM

I got most of the answers I needed through email or through workshop

6/4/2018 10:08 PM

I came twice and while it did clear up some concepts, also left me confused. In hindsight, I should've come more often.

6/4/2018 9:27 PM

I came because I needed some help completing practice sets. It helped because you led me in the right direction.

6/4/2018 9:17 PM

I came when I felt really stuck, which was about 2-3 times this quarter

6/4/2018 6:37 PM

I often came to office hours. I found it to be very helpful because I really value the one on one time and I usually left feeling like I was understanding the concepts and materials, which was often not how I felt when leaving class.

6/4/2018 1:27 PM

I enjoyed my time in office hours, and felt I learned a lot

6/3/2018 10:10 PM

i didnt come often because i felt confident in my ability to learn on my own, but when i did go it was helpful

6/3/2018 8:32 PM

I came once or twice

6/3/2018 5:21 PM

I didn't come to office hours because I'm trying to balance 2 other hard science classes and don't have the time to focus in on one subject, plus I didn't feel the need to go.

6/2/2018 10:52 AM

### Question 12 – comments about the projects:

More time and guidance would be nice. Suggestions would also be great.

6/5/2018 3:51 PM

I really liked the projects.

6/5/2018 3:25 PM

The projects were difficult but a lot of fun

6/5/2018 2:56 PM

The last one was due too late in the quarter

6/5/2018 2:34 PM

my group was very difficult

6/5/2018 2:09 PM

I basically did the entire first project by myself so that ruined the idea for me.

6/5/2018 12:17 PM

I think these projects were beneficial and neither of them caused too much stress because they are not excessively time consuming if you figure out what you are doing before hand.

6/5/2018 11:48 AM

I wish they were worth a larger % of the final grade.

6/5/2018 11:30 AM

the additional time dedicated to the projects was large in comparison to the impact it had on our grades. i understand low risk assignments but, as you know, time is very valuable in school.

6/5/2018 9:06 AM

I definitely feel as though the projects helped with my understanding of physics because it gave me opportunities to apply my knowledge to real life situations. Although we've worked on problems based off of real life situations, it's different to perform it myself as it helps to bridge a connection in my brain.

6/5/2018 4:48 AM

Coordinating with a group is always a little hard. Usually in group projects the people who know what they're doing just do it all and the people who don't know what they're doing don't learn any more.

6/4/2018 10:08 PM

The second project is unnecessary... I would say pick one subject for the class to focus on for each year then they make separate videos based on that, that way you can use the best video for an example in class!

6/4/2018 9:17 PM

I felt that the project, and specifically the second one added stress and took away from the learning experience

6/3/2018 10:10 PM

I thought that the projects were a waste of time and only added unnecessary stress, there is already a lot of group interaction in class and the projects didn't really help me understand the concepts better.

6/2/2018 10:52 AM

### Question 15 – comments about why you did or didn't do homework:

The reason I didn't do the homework was because they were so long and time consuming. Here's a brilliant idea for homework (imo): assign one problem before every class period, make them worth some amount of points, and collect them/grade them/give them back. Ex. Tuesday, assign a problem, turn that problem in Thursday. Thursday, give back last problem graded, assign a problem or two (because of the weekend), turn them in Tuesday.

6/5/2018 3:51 PM

I did every homework assignment on time except one and felt that it was a major factor in my success of the class. I feel as though many people were unhappy with the class because they were not doing the homework or putting in the work to succeed. I feel as if you should not incentive homework because if those people wanted to do well in the class they would have done the problem sets.

6/5/2018 2:56 PM

I think there should be points for completion of problem sets, but not necessarily accuracy.

6/5/2018 1:43 PM

I think the fact that our grades are based solely off of exams and projects is incentive enough to do the homework/problem sets

6/5/2018 4:48 AM

I think if the homework was counted I would have been a lot more stressed than if it was not. I found many of them very time consuming and difficult to complete and I think that is why I ended up not doing every single one of them. I did try to go over them before a test though and that was helpful to me.

6/4/2018 10:35 PM

I began to do more problem sets as the quarter progressed, because I felt like I was actually understanding them and could give them good effort. Partially I think this was due to coming into your office hours for help

6/4/2018 1:27 PM

### Question 18: enter any comments about how to improve the class or projects.

I was so overwhelmed by the amount of homework on the problem sets that I didn't do them, even though I felt guilty. If you take my suggestion into consideration, I think that students will feel less intimidated and anxious, and they will do them with better quality. I wish they were much much shorter. More examples in class would be great. If you could explain them after we get it wrong the first time, or at least set us off in the right direction, class time would be utilised more efficiently, and I would've learned and benefitted more from class periods.

6/5/2018 3:51 PM

I recognize how hard you work on the class, but it comes off inefficiently to students.

6/5/2018 3:25 PM

I had a lot of fun in this class Pete! Thanks so much for a great quarter!

6/5/2018 2:56 PM

I loved this class

6/5/2018 2:34 PM

The directions are very vague. I wish it were more of a step by step guide with less ambiguity on how to actually get a good grade. I don't totally feel like the directions matched the grading system.

6/5/2018 1:43 PM

Especially with the second project, I think there should be a little more communication on what is expected of us in order to perform well.

6/5/2018 12:32 PM

I think it was well done. Unless you actually printed out a formula sheet for us. The in class experiments/examples were really cool too, my favorite part of the class.

6/5/2018 12:23 PM

i think the projects were fine.

6/5/2018 12:17 PM

Even though it seemed as if most of the class struggled with the way this class was oriented, I really liked it! I had learned the importance of putting in time for problems outside of class in other classes (particularly the gen chem series) before this one so I did not think that it was too hard for me to adjust because of that.

6/5/2018 11:48 AM

Pete, you are doing a heck of a job. I cannot wait to see this teaching style take off!

6/5/2018 9:06 AM

I think immediate accessibility of solutions to problems including the work flow of each problem helps to solidify understanding. I can give the problem a try on my own, try very hard to solve it with the resources and knowledge I have, but would be left with extreme uncertainty. I like to analyze the solutions thoroughly as a means of figuring out where I get stuck. sometimes the instances where I get stuck are very simple tweaks that need to be made before being able to continue on with the entirety of the problem. the continuation of solving the rest of the problem is prevented when I cant get past that simple tweak/ misunderstanding of something that turns out to be rather simple

6/5/2018 8:50 AM

I hated this class in the beginning. Well, I hated the fact that I had to take physics at all because as dumb as it seems, one of my life goals was to never have to take physics. It sounded hard and too conceptual and after taking this class, I've experienced how hard and conceptual physics is; however, Pete was right from the start. You really do get out what you put in. I don't think I've ever tried so hard, in any class I've ever taken, to truly understand the material. I'm a STEM major and I've taken loads of science and math classes where I'd normally just memorize equations, plug in numbers, and keep trying until I get the right answer. This class was a complete 180 and made me so frustrated. I don't exactly like the unfamiliar; however, this course has made me be okay with not knowing something right off the bat. I never imagined myself ever using the words "physics" and "enjoy" in the same sentence, yet I've come to really enjoy Pete's physics class. I do think that I got out what I put in because I definitely think I out in 110% to this class, and I can say that I've truly learned in this class. I'm coming out of this class with more understanding than any other class. In those classes, I'll memorize information and after the course ends, I'll end up losing memory of it; however, the material we've covered in Pete's class will last.

6/5/2018 4:48 AM

I think that it is nice that people get to choose their own groups, but I think it would be nice if people were placed with other people they didn't know as well. I think this because most people ended up working with the same people. I want to thank Pete for all the hard work he has done for the class. I appreciate him very much and I hope that he continues to share his excitement and knowledge of physics with students and others.

6/4/2018 10:35 PM

Maybe more direction/explanation on the projects. I appreciated the chance to redo the project for a better grade. I also appreciate your mess-up allowing and self-accountable grading system for the class.

6/4/2018 10:08 PM

I think that spending a class in the beginning defining exponents and certain equations and doing conversions, etc. would be very helpful. I understand wanting students to understand concepts first, however with this being an intro level class, defining and learning basic things you'll need for the quarter would be very beneficial.

6/4/2018 9:27 PM

I failed 141 and came into this class with many doubts and worries. I enjoyed it WAY more than I thought I would and am happy to have had you as a professor.

6/4/2018 6:37 PM

Less projects, more working and thinking with our hands

6/3/2018 10:10 PM

pete is very knowledgeable and a great instructor!

6/3/2018 8:32 PM

I thought this was an interesting way of learning material and enjoyed focusing on concepts rather than just a sheet of equations that don't make sense. It was definitely frustrating at times but I was able to get through it and continue on.

6/2/2018 10:52 AM