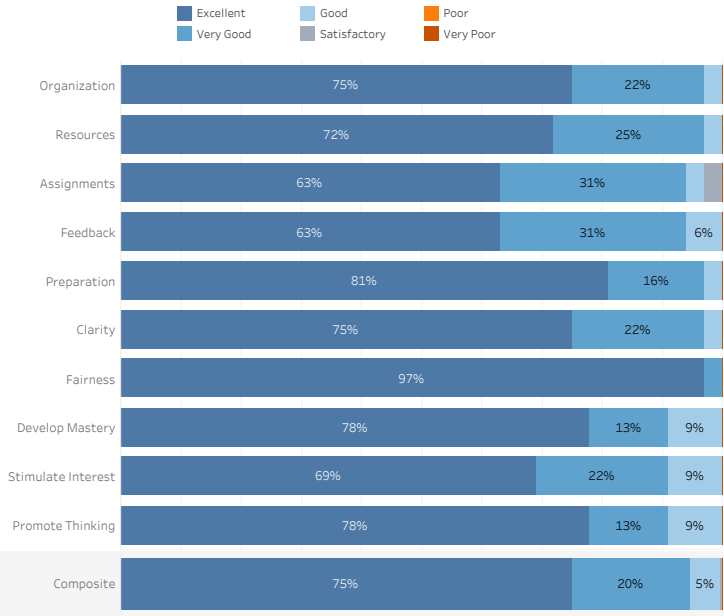


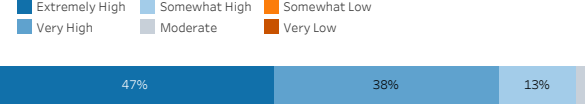
Class Report - Spring 2020 - PHYS 11422-01 - Moris Placco, Vinicius

Course	Sub Numb Sec	Division	Department	Course Level	Location	Enrollment	Respondents	Response Rate %	Modal Credit Hours	Team Taught?
Physics B Lab	PHYS 11422-01	Science	Physics	1	M	38	32	84.2	.5 to 1	Single instructor

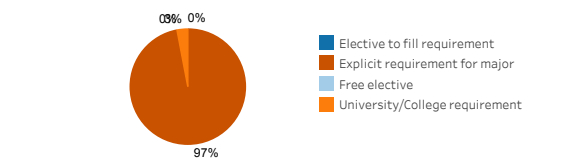
Percent Response Distribution



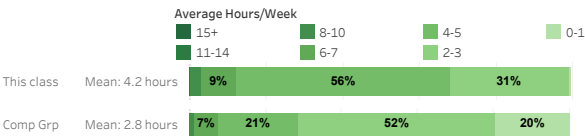
Intellectual Challenge



Students Taking Class as



Time Outside Class

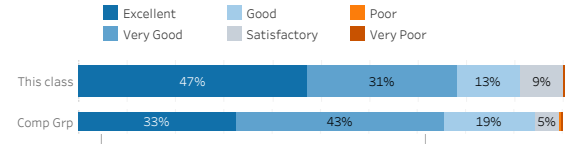


Comp Grp: Classes at the same level in the same division with the same number of credit hours.

Composite Summary

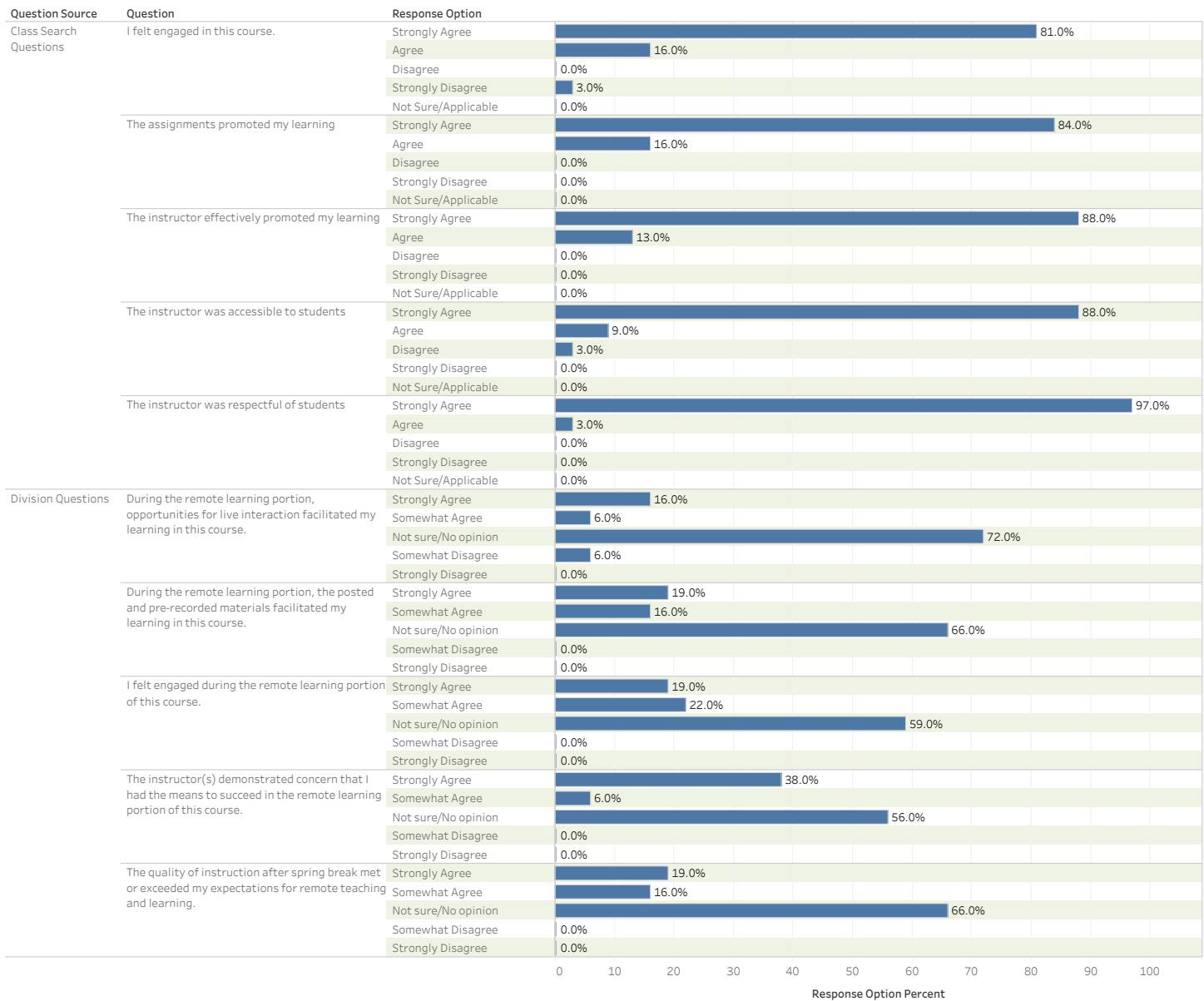
5	94.7	0	319
Median	% V Good or Excellent	% V Poor or Poor	Item Responses

Quality of Student Effort (Summer 2018 and later)



Comp Grp: Classes at the same level in the same division with the same number of credit hours.

## Additional Questions - Spring 2020 - PHYS 11422-01 - Moris Placco, Vinicius



# Student Comments - Spring 2020 - PHYS 11422-01 - Moris Placco, Vinicius

Question Text	Student Ref #	Comment	Composite	Intellectual Challenge	Quality of Student Effort	Time outside Class
Please comment on how well the activities, readings, lectures, and assignments helped you learn in this course.	1	Having the labs be ahead of the lecture was difficult, because we had not completely learned the concepts we were experimenting with yet.	4.8	Very High	Moderate	2-3 hours
	4	The laboratory activities, while slightly out of sync with what we were learning in class, did help me to understand better the conceptual material we learned later in the E&M lecture course.	5	Extremely High	Extremely High	4-5 hours
	5	The weekly lab reports were very good at training me to think and work in terms of experiments and analysis.	5	Very High	Somewhat High	4-5 hours
	6	The readings and videos before each lab class are very helpful in understanding the experiments we are going to do.	5	Extremely High	Extremely High	4-5 hours
	7	During labs, I was able to reinforce the concepts learned in lecture via hands-on application.	4.4	Very High	Extremely High	2-3 hours
	8	Learning how to code my lab on Overleaf and doing all of the experiments greatly improved my critical thinking and physics knowledge. Also learning how to propagate error was challenging but rewarding!	5	Extremely High	Extremely High	4-5 hours
	9	It was a little bit frustrating that we were doing the labs that were from topics we haven't learned in class yet.	4.4	Somewhat High	Very High	4-5 hours
	11	The labs we did were not very connected to the coursework we were doing in physics B lecture	5	Very High	Very High	4-5 hours
	12	The labs demonstrated ahead of time what would happen in lecture, which was helpful.	5	Extremely High	Extremely High	4-5 hours
	13	They where very good at helping us to learn concepts	5	Extremely High	Extremely High	4-5 hours
	14	The more complex labs this semester helped me become a lot better at executing them and writing about them	5	Very High	Very High	2-3 hours
	15	Activities (labs) helped me visualize concepts. Assignments (lab reports) were a lot of wasted effort, though they did help me develop some useful skills.	4.6	Very High	Extremely High	6-7 hours
	16	lab write ups were very tedious. i deaded completing them each week	5	Very High	Very High	2-3 hours
	17	The labs developed an understanding of the topics presented in the lecture and developed skills in writing lab reports.	3.8	Somewhat High	Somewhat High	2-3 hours
	18	deepened my understanding of physics concepts	5	Extremely High	Extremely High	2-3 hours
	20	labs were a good way to learn and understand course material	5	Extremely High	Very High	4-5 hours

# Student Comments - Spring 2020 - PHYS 11422-01 - Moris Placco, Vinicius

Question Text	Student Ref #	Comment	Composite	Intellectual Challenge	Quality of Student Effort	Time outside Class
Please comment on how well the activities, readings, lectures, and assignments helped you learn in this course.	21	The lap writeups were essential for solidifying the concepts from lab. They were not too demanding and even a little fun to do.	4.6	Very High	Very High	4-5 hours
	22	They helped very much.	5	Extremely High	Extremely High	4-5 hours
	23	It was unfortunate how the labs and reports were two weeks and one week, respectively, separate from the normal lectures. However, we still learned a large amount, and I arguably learned more from the labs than from the lectures themselves.	3.9	Somewhat High	Very High	4-5 hours
	24	They were gr8	4.5	Extremely High	Very High	4-5 hours
	25	The lab session and the lab reports made me more prepared to carry out lab work.	4	Very High	Moderate	6-7 hours
	26	The labs were long, difficult, and harshly graded. That's probably a good thing, and made us better in the long term. However the differences in each TA's grading were very extreme and created very inconsistent grades that didn't really reflect the work.	4.3	Extremely High	Extremely High	4-5 hours
	28	The experimental handouts posted to the course website were very helpful in planning for the lab. I felt that the instruction from the TAs could have been a bit more focused on the material itself rather than the fonts of the lab reports.	4.2	Extremely High	Very High	6-7 hours
	29	The pre-lab readings were pretty useful, though sometimes I still had to look up further information.	4.7	Very High	Extremely High	8-10 hours
	30	The assignments helped me learn much about applied Physics concepts.	4.9	Extremely High	Somewhat High	2-3 hours
	31	The labs this semester were really interesting and beneficial to out learning.	5	Extremely High	Extremely High	2-3 hours
	32	Conducting the labs and writing the lab reports helped me to explore and master the topics in this course.	5	Very High	Extremely High	4-5 hours
Please identify areas where this instructor could improve his/her teaching.	3	I think spending a bit more time going over the statistical/mathematical parts of the material could be beneficial, because it felt like many of us were never fully confident on much of that, such as error propagation.	4.8	Extremely High	Extremely High	4-5 hours
	4	N/A	5	Extremely High	Extremely High	4-5 hours
	7	Prof. Placco could improve his teaching capabilities by taking more time to check in with each lab group or assigning TA's to check in with each group at the beginning of class. This would ensure that each group is prepared for lab and knows what they're going to do.	4.4	Very High	Extremely High	2-3 hours
	8	I have no complaints.	5	Extremely High	Extremely High	4-5 hours
	9	I think it might be helpful to debrief after labs to make sure everything makes sense and people are able to connect to the concepts that we're learning in class.	4.4	Somewhat High	Very High	4-5 hours

# Student Comments - Spring 2020 - PHYS 11422-01 - Moris Placco, Vinicius

Question Text	Student Ref #	Comment	Composite	Intellectual Challenge	Quality of Student Effort	Time outside Class
Please identify areas where this instructor could improve his/her teaching.	11	none	5	Very High	Very High	4-5 hours
	12	Would like to see some demonstrations in labs perhaps - while in person, labs didn't change much in structure from previous semester and it got a little boring.	5	Extremely High	Extremely High	4-5 hours
	13	none	5	Extremely High	Extremely High	4-5 hours
	14	None	5	Very High	Very High	2-3 hours
	15	Could be more systematic.	4.6	Very High	Extremely High	6-7 hours
	16	n	5	Very High	Very High	2-3 hours
	17	The instructor might try to clarify some of the concepts that had not yet been covered in lecture.	3.8	Somewhat High	Somewhat High	2-3 hours
	18	`	5	Extremely High	Extremely High	2-3 hours
	21	It was challenging to do some of the labs as they were on concepts we had not learned in lecture yet. It might be helpful to have a little mini-lecture on the topic at the beginning of each lab period.	4.6	Very High	Very High	4-5 hours
	22	Vinicius was fantastic. He had no areas that needed improving.	5	Extremely High	Extremely High	4-5 hours
	23	Not applicable.	3.9	Somewhat High	Very High	4-5 hours
	24	Perhaps giving us tips, hints, or ways to remember the concepts.	4.5	Extremely High	Very High	4-5 hours
	25	Some of the work done by the teaching assistants are questionable.	4	Very High	Moderate	6-7 hours
	26	Sometimes a little more direction on what to do in a lab would be helpful.	4.3	Extremely High	Extremely High	4-5 hours
	28	One thing that I think could have been better about the lab would be if the experiments aligned a bit better with the material being covered in the course. Oftentimes, our experiment for the week would be something we had never seen before, and there was no instruction in the lab concerning that topic - we were expected to learn it and do the research ourselves. This at times made things challenging, as I found topics like inductance difficult to understand, and then writing the reports was even more diffic..	4.2	Extremely High	Very High	6-7 hours
	29	Sometimes it felt like different TAs had different expectations for how our lab reports should be formatted or what was important to include. It would probably be good to make sure they are all on the same page with regards to these things, especially things like formatting which are easy to develop uniform expectations for.	4.7	Very High	Extremely High	8-10 hours

# Student Comments - Spring 2020 - PHYS 11422-01 - Moris Placco, Vinicius

Question Text	Student Ref #	Comment	Composite	Intellectual Challenge	Quality of Student Effort	Time outside Class	
Please identify areas where this instructor could improve his/her teaching.	30	It was not always immediately obvious where all the lab materials were.	4.9	Extremely High	Somewhat High	2-3 hours	
	31	I honestly cannot think of any way this professor can improve their teaching.	5	Extremely High	Extremely High	2-3 hours	
	32	Nothing! Professor Placco is a fantastic professor!	5	Very High	Extremely High	4-5 hours	
Please identify what you perceive to be the greatest strengths of this instructor's teaching.	1	Good connection with students	4.8	Very High	Moderate	2-3 hours	
	3	One of his greatest strengths is that he is always very enjoyable to listen to, and so he makes the material much more engaging as a result.	4.8	Extremely High	Extremely High	4-5 hours	
	4	Professor Placco is one of the most fantastic professors I have had during my time at Notre Dame. He is enthusiastic, engaging, and incredibly intriguing person. He has a fantastic sense of humor and doesn't take himself or anyone else too seriously. I can't remember the last time a science professor/instructor really engaged my personal creativity, but Professor Placco definitely did. I felt comfortable asking questions and making mistakes in his lab, because he presented the space as a constructive learning e..	5	Extremely High	Extremely High	4-5 hours	
	5	Him and the team of TA's efficiently answered questions and gave good feedback on our reports. The whole class was efficiently organized like a well oiled machine.	5	Very High	Somewhat High	4-5 hours	
	6	Professor Placco is very organized and communicates his expectations and due dates for assignments well in advance. He also offers chances to work for extra credit which is very helpful.	5	Extremely High	Extremely High	4-5 hours	
	7	Professor Placco does a great job of conducting and administering labs. Prof. Placco always come to class well prepared for each lab and is familiar with the procedures and equipment. Prof. Placco always provides clear and helpful feedback to help guide the class in developing their labs and lab reports.	4.4	Very High	Extremely High	2-3 hours	
	8	Professor Placco truly cares about his students and the subject material. He is brilliant and really wants to bring our work up a level, but he is also extremely understanding and willing to work with us. My lab partner and I would constantly email/meet with Professor Placco when we had questions and he was always willing to work with us.	5	Extremely High	Extremely High	4-5 hours	
	9	It was good that we were able to come up with our own labs each class and be more creative and be able to reach a better understanding.	4.4	Somewhat High	Very High	4-5 hours	
	10	Getting students to communicate their physics ideas and to innovate lab designs	5	Extremely High	Extremely High	4-5 hours	
	11	Availability during and after lab for questions and concerns	5	Very High	Very High	4-5 hours	
	12	Keeps good personal relationships with students or class as a whole. Tries hard to be as fair as possible.	5	Extremely High	Extremely High	4-5 hours	
	13	He was very good at helping us with in the lab environment	5	Extremely High	Extremely High	4-5 hours	
	14	He did a great job in guiding us to become better at performing labs through his instruction and advice, and pushed us to improve from last semester.	5	Very High	Very High	2-3 hours	

# Student Comments - Spring 2020 - PHYS 11422-01 - Moris Placco, Vinicius

Question Text	Student Ref #	Comment	Composite	Intellectual Challenge	Quality of Student Effort	Time outside Class
Please identify what you perceive to be the greatest strengths of this instructor's teaching.	15	Flexibility and freedom.	4.6	Very High	Extremely High	6-7 hours
	16	very clear in communicating. also good at encouraging students to do their own work. this was helpful in building confidence and skills relating to physics	5	Very High	Very High	2-3 hours
	17	The instructor was respectful of the students and provided help when needed.	3.8	Somewhat High	Somewhat High	2-3 hours
	18	does a great job at making the labs easy to understand and enjoyable week after week	5	Extremely High	Extremely High	2-3 hours
	20	well-organized	5	Extremely High	Very High	4-5 hours
	21	Professor Placco conducted class very fairly, treating us like adults instead of students. He had a clear plan for every lab and made the labs engaging and not stressful.	4.6	Very High	Very High	4-5 hours
	22	Professor Placco was absolutely fantastic. He was extremely kind and understanding and had our best interests at heart, and he also pushed us to do the best we could. He demanded excellence, but not too harshly, which I think challenged us while keeping us excited and engaged.	5	Extremely High	Extremely High	4-5 hours
	23	Prof. Placco is clearly a brilliant man and is moreover thought of to be less of a professor than the stereotypical relationship between professors and students. He will always provide a satisfactory answer to your questions, and if he cannot then he will find someone that can.	3.9	Somewhat High	Very High	4-5 hours
	24	His personality. His sarcastic remarks engage and grab not only our attention, but our respect. It's because of this that we pay close attention to what he says and do our best to give it our all.	4.5	Extremely High	Very High	4-5 hours
	25	Super nice guy. Responds to questions with inspiring language.	4	Very High	Moderate	6-7 hours
	26	He is very understanding, entertaining, a great person, and cares about your success in the class.	4.3	Extremely High	Extremely High	4-5 hours
	28	I think the Professor Placco's greatest strength is that he really looks to develop us as scientists and give us real-life advice that will be useful for our future careers. He is encouraging and reminds us all to be creative, explore, and have fun in the lab. My favorite part of the lab was our trip to Fermilab, and I felt that I really improved in my scientific writing and analysis skills over the course of this year with Professor Placco.	4.2	Extremely High	Very High	6-7 hours
	29	Vini is the best! He makes lab a lot of fun by encouraging us to design our own creative experiments. He has a great sense of humor and a fantastic personality that makes me excited to come to lab every week! He is very helpful and always willing to answer questions. I also like that he encouraged us to use LaTeX to draft our lab reports, because knowing LaTeX is a very important skill for any scientist.	4.7	Very High	Extremely High	8-10 hours
	30	He made sure that the students knew why the labs were important and would always help students when the experiments were going wrong.	4.9	Extremely High	Somewhat High	2-3 hours
	31	This instructor really cares about his students and wants them to succeed in life. He tries to be understanding when a student is having a difficult time and always makes sure that everyone is successful in the labs.	5	Extremely High	Extremely High	2-3 hours
	32	Prof. Placco is extremely knowledgeable about his subject and he also understands the level that his students are at. This allows him to challenge students without overwhelming them. And if a lab does get stressful Prof. Placco is a calming, understanding, and helpful presence.	5	Very High	Extremely High	4-5 hours

# Student Comments - Spring 2020 - PHYS 11422-01 - Moris Placco, Vinicius

Question Text	Student Ref #	Comment	Composite	Intellectual Challenge	Quality of Student Effort	Time outside Class
What worked and did not work about remote teaching and learning, in this course? Please note any elements of remote instruction you would like to see incorporated in traditional instruction.	3	As this is a lab, it cannot be completely transitioned to an online format.	4.8	Extremely High	Extremely High	4-5 hours
	4	We were not able to do much in terms of lab work after spring break, simply because of the nature of online classes. However, Professor Placco did still make an effort to keep his students engaged which I appreciate.	5	Extremely High	Extremely High	4-5 hours
	6	Because it was a lab class, we could not continue to do experiments and take data. However, we were still given the opportunity to re-write one of our reports that we did not do as well on which was very helpful.	5	Extremely High	Extremely High	4-5 hours
	7	Not Applicable.	4.4	Very High	Extremely High	2-3 hours
	8	We could not really do labs due to no access to physics materials, but Professor Placco hosted a meeting and was very willing to work with us in the transition. He was caring about our wellbeing, and even when I couldn't attend the meeting due to the passing of a family member was very flexible with me.	5	Extremely High	Extremely High	4-5 hours
	9	It was good that we weren't pushed to hard to try to recreate labs that we just don't have the means to do at home.	4.4	Somewhat High	Very High	4-5 hours
	10	The remote lab worked but was obviously not as engaging as an in person lab could have been	5	Extremely High	Extremely High	4-5 hours
	11	We were not able to do labs. We were able to complete our last lab report, any labs we missed, and do a makeup lab, which made up for the fact that we weren't doing any new labs	5	Very High	Very High	4-5 hours
	12	Would have liked to see more lab time online - perhaps an online research project (not too long), optional in class videos about physics experiments, or more than the extra credit simulation.	5	Extremely High	Extremely High	4-5 hours
	13	This was a lab course, so it did not transfer to online learning	5	Extremely High	Extremely High	4-5 hours
	14	This class is a physics lab, so it wasn't feasible to do the work from home, but the instructor still gave us other opportunities to remain engaged and was considerate of our best interests in this difficult situation.	5	Very High	Very High	2-3 hours
	15	We basically did not have labs during remote learning. The virtual RLC lab and reading worked really well, particularly because of the selection of the reading and not needing to write a lab report. We could reduce the number of lab reports and do more "fun labs."	4.6	Very High	Extremely High	6-7 hours
	16	didnt really happen	5	Very High	Very High	2-3 hours
	17	There was no remote instruction.	3.8	Somewhat High	Somewhat High	2-3 hours
	18	we did not have many remote learning sessions because of the fact that labs are difficult to complete without the equipment in person	5	Extremely High	Extremely High	2-3 hours
	20	no good way to do labs online besides simulations	5	Extremely High	Very High	4-5 hours



# Student Comments - Spring 2020 - PHYS 11422-01 - Moris Placco, Vinicius

Question Text	Student Ref #	Comment	Composite	Intellectual Challenge	Quality of Student Effort	Time outside Class	
What worked and did not work about remote teaching and learning, in this course? Please note any elements of remote instruction you would like to see incorporated in traditional instruction.	21	We did not have a remote lab, besides having a check in the first week. We did one virtual lab this past week, which was fun. If this ever happens again, I think doing more virtual labs would be fun.	4.6	Very High	Very High	4-5 hours	
	22	There was no remote learning, so N/A. However, we did do some remote extra credit and I thought that went very well.	5	Extremely High	Extremely High	4-5 hours	
	23	Nothing about remote teaching "worked" in that it facilitated my learning, but, of course, this is to be expected. I don't know what could be incorporated in traditional instruction regarding a lab.	3.9	Somewhat High	Very High	4-5 hours	
	24	We sort of cancelled lab, but it's okay; I learned what we needed to.	4.5	Extremely High	Very High	4-5 hours	
	25	Google is banned by the Chinese government. Being in China, it made a lot of the things very difficult. But that's not anyone's fault except mine I guess.	4	Very High	Moderate	6-7 hours	
	26	The AC current thing was interesting, if a bit childish.	4.3	Extremely High	Extremely High	4-5 hours	
	28	The transition to the remote learning portion for the physics lab was as good as it could have been, but unfortunately there is not a lot that one can do at home. Professor Placco made sure that we knew that he cared that we were able to succeed, and we were given a few assignments, but the majority of the assignments were cancelled. Honestly, in the midst of the stress of the situation, I was alright with eliminating the stress of having to do a science lab online.	4.2	Extremely High	Very High	6-7 hours	
	29	I had to miss a couple labs for ski races, so I had some make-up labs to do while we were doing remote learning. I was actually very glad for this, because I miss lab and it gave me a little bit of a connection! It was too bad we couldn't actually do any experiments while we were away. At the end as an extra credit option there was an online simulation we could play around with; perhaps more of these could have been at least a little bit of a substitute for real lab, though pretty much all we had left to do was the fin..	4.7	Very High	Extremely High	8-10 hours	
	30	There really wasn't any, but the instructor was still active in the class which I really appreciate.	4.9	Extremely High	Somewhat High	2-3 hours	
	31	Remote teaching labs is difficult because we cannot actually do the lab.	5	Extremely High	Extremely High	2-3 hours	
	32	We only met once to discuss that we wouldn't be holding lab remotely.	5	Very High	Extremely High	4-5 hours	