

Cornell University
 Course Evaluation Response Summary
 Semester: Spring 2023 Course Owner: PHYS
 Course: PHYS 2214 LAB 407 CID: 4005
 Title: Phys III-Osc Waves & Quan Phys
 Instructor: Kiely
 8 Responses, 20 Enrolled, 40% Response

Please evaluate HOW THIS COURSE WAS TAUGHT. Evaluate each component of the course (lectures, discussion sections, labs, assignments, and exams) separately. In particular, try to separate your feelings about the subject matter and exams/grading from your evaluations of lectures, discussion sections, labs, and assignments.
 YOU MAY SKIP ANY QUESTION THAT DOES NOT PERTAIN TO YOUR LAB.

Question	Mean	StDevP	Count	1	2	3	4	5
1. OVERALL rating of the LAB PROGRAM: 1= poor; 3= satisfactory; 5= excellent	3.75	0.66	8	0	0	3	4	1
2. OVERALL rating of the LAB INSTRUCTOR: 1= poor; 3= satisfactory; 5= excellent	4.38	0.85	8	0	0	2	1	5
3. How knowledgeable was the lab instructor about lab activities, goals, and physics content? 1= not at all; 3= somewhat knowledgeable; 5= very knowledgeable	4.50	0.70	8	0	0	1	2	5
4. Was the lab instructor able to communicate effectively? 1= not effectively at all; 3= somewhat effectively; 5= very effectively	4.38	0.69	8	0	0	1	3	4
5. Did the lab instructor arrive on time and prepared? 1= rarely; 3= about half of the time; 5= always	4.63	0.69	8	0	0	1	1	6
6. How available and responsive was the LAB INSTRUCTOR to interact with lab groups who had difficulty? 1= not available and responsive; 3= somewhat available and responsive; 5= very available and responsive	4.38	0.69	8	0	0	1	3	4
7. How supportive and encouraging was the lab instructor? 1= not supportive and encouraging; 3= somewhat supportive and encouraging; 5= very supportive and encouraging	4.50	0.70	8	0	0	1	2	5
8. Teaching and mentoring skill of the lab instructor: 1= poor; 3= satisfactory; 5= excellent	4.38	0.69	8	0	0	1	3	4
9. How interesting, on average, were the lab activities? 1= poor; 3= somewhat; 5= excellent	3.63	0.69	8	0	0	4	3	1
10. In the lab program I learned important lab skills (instrumentation, measurement, experimental design, assessment of precision and uncertainties). 1= strongly disagree; 3= neutral; 5= strongly agree	3.63	0.69	8	0	0	4	3	1
11. I was usually able to complete an experiment without understanding the equations and physics ideas that describe the system I was investigating. 1= strongly disagree; 3= neutral; 5= strongly agree	3.25	0.96	8	0	2	3	2	1
12. When doing the experiments, I was able to think up my own questions to investigate. 1= strongly disagree; 3= neutral; 5= strongly agree	3.29	0.88	7	0	1	4	1	1
13. Working well in a group was an important part of doing the physics experiments. 1= strongly disagree; 3= neutral; 5= strongly agree	3.88	0.59	8	0	0	2	5	1
14. Designing and assembling things was an important part of doing the physics experiments. 1= strongly disagree; 3= neutral; 5= strongly agree	3.25	1.08	8	0	3	1	3	1
15. Because of the lab program, my interest in experimental physics 1= decreased greatly; 3= didn't change; 5= increased greatly	3.63	0.69	8	0	0	4	3	1
16. How would you rank the length of the lab sessions with respect to the amount of activity expected of you in the lab? 1= too short; 3= about right; 5= too long	3.38	0.48	8	0	0	5	3	0
17. If you had an undergraduate teaching assistant (UTA) in your lab section, please rate his or her impact on the lab section. 1=not applicable; 2=made it worse; 3=no impact; 4= some improvement; 5= made it much better	2.20	1.6	5	3	0	1	0	1
18. If you had an undergraduate teaching assistant (UTA) in your lab section, please rate his or her preparation and understanding of the labs. 1= not applicable; 2= unprepared; 3= somewhat prepared; 4= prepared; 5= very prepared	2.20	1.6	5	3	0	1	0	1

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19. If you had an undergraduate teaching assistant (UTA) in your lab section, how supportive and encouraging was he or she? 1=not applicable; 2= not encouraging; 3= somewhat encouraging; 4= encouraging; 5= very encouraging	2.20	1.6	5	3	0	1	0	1
20. If you had an undergraduate teaching assistant (UTA) in your lab section, please rate his or her overall teaching and mentoring skill. 1= not applicable; 2= fair; 3= good; 4= very good; 5= excellent	2.20	1.6	5	3	0	1	0	1

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1. Please write any comments about the labs or your lab instructor here.

25516. The lab instructor did a great job of running the lab section and was very helpful when we ran into challenges.

25803. The labs were mostly interesting, and Thomas was great at explaining physics concepts and helping me reach the right answer and understand it. There were some times (not too rare) when too many groups needed his help, making it challenging for one TA to handle. I was not a fan of the labs that were just math-based with little or no physical component. I found the hands-on labs much more engaging.

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2. What was your favorite lab?

25516. The vibrating string lab.

25803. The standing waves lab and the interference and diffraction labs were my favorite two labs. They both showed interesting effects and were somewhat hands-on.

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3. What ideas that were not addressed in lab do you wish you were able to explore with laboratory activities?

25803. While I understand it is probably unreasonable with the equipment available, a physical, hands-on lab covering quantum physics would have been very interesting and would have helped my understanding of quantum physics, which is one of the toughest parts of this course.

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4. If you had an undergraduate teaching assistant in your lab, please write any comments about him or her here.
