

Cornell University
 Course Evaluation Response Summary
 Semester: Fall 2012 Course Owner: PHYS
 Course: PHYS 2207 DIS 215 CID: 16622
 Title: Fundamentals of Physics
 Instructor: Dutta, Shovan
 5 Responses, 16 Enrolled, 31.25% Response

Please evaluate HOW THIS COURSE WAS TAUGHT. Evaluate each component of the course (lectures, discussion classes, 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 classes, 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 discussion class instructor: 1= poor; 3= satisfactory; 5= excellent | 5.00 | 0 | 5 | 0 | 0 | 0 | 0 | 5 |
| 2. OVERALL rating of the DISCUSSION CLASS: 1= poor; 3= satisfactory; 5= excellent | 4.20 | 0.74 | 5 | 0 | 0 | 1 | 2 | 2 |
| 3. Did discussion classes help you learn the course material? 1= helped very little; 3= helped somewhat; 5= helped greatly | 4.20 | 0.97 | 5 | 0 | 0 | 2 | 0 | 3 |
| 4. Was the recitation instructor (TA) knowledgeable about the subject matter? 1= not at all; 3= somewhat knowledgeable; 5= very knowledgeable | 5.00 | 0 | 5 | 0 | 0 | 0 | 0 | 5 |
| 5. Did the discussion class instructor (TA) arrive on time and prepared for class? 1= rarely; 3= about half of the time; 5= always | 5.00 | 0 | 5 | 0 | 0 | 0 | 0 | 5 |
| 6. Was the discussion class instructor willing and available to help students who had difficulty? 1= not willing and available; 3= somewhat willing and available; 5= very willing and available | 5.00 | 0 | 5 | 0 | 0 | 0 | 0 | 5 |
| 7. How effectively was the recitation instructor (TA) able to communicate? 1= not effectively at all; 3= somewhat effectively; 5= very effectively | 4.80 | 0.4 | 5 | 0 | 0 | 0 | 1 | 4 |
| 8. Teaching skill of the recitation instructor: 1= poor; 3= satisfactory; 5= excellent | 4.80 | 0.4 | 5 | 0 | 0 | 0 | 1 | 4 |
| 9. Did the discussion class instructor (TA) grade and return work promptly? 1= rarely; 3= about half of the time; 5= always | 4.25 | 0.82 | 4 | 0 | 0 | 1 | 1 | 2 |
| 10. Did the co-op problems help you learn the course material? 1= helped very little; 3= helped somewhat; 5= helped greatly | 4.00 | 0.70 | 4 | 0 | 0 | 1 | 2 | 1 |
| 11. Would you like to have fewer or more DISCUSSION CLASSES? 1= fewer; 3= same number (twice a week); 5= more than two per week | 2.75 | 1.08 | 4 | 1 | 0 | 2 | 1 | 0 |
| 12. If your discussion class section had an Undergraduate Learning Assistant (ULA), did the ULA help you learn the course material? 1= helped very little; 3= helped somewhat; 5= helped greatly | 2.67 | 0.94 | 3 | 0 | 2 | 0 | 1 | 0 |

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1. Please write any comments about your discussion class or your TA here.

246131. I felt that the discussion class was the only part of this physics course where I truly learned the material. It was also the only part of the course where I felt challenged, much to my delight. Thanks Shovan!

246136. Shovan is incredibly knowledgeable about the subject and he really makes sure that we understand what is happening and not just what the numbers are doing. Some times this makes it a little difficult to understand whether or not an initial assumption is true.

246138. Shovan was an excellent TA. He was always available to help and really went the extra mile to help us understand difficult concepts. He is very supportive and was very clear and organized. One of the best TA's I've had.

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2. Please describe your worst and best learning experience in your discussion class.

246131. The worst thing that happened was when Shovan accidentally overlooked an incorrect answer from another student on one of the coop problems, confusing me a great deal. He corrected the issue after class.

The rest of the class was challenging but all the more entertaining for it.

246136. Shovan will generally teach anything that we are interested in learning about with physics. He has no problem taking a break from the usual co-op problems to go over a more interesting problem or to answer a specific question about the material.

246138. The best learning experiences were discussion of the Co-ops and the problems Shovan created. I don't have any complaints.

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 Course Evaluation Response Summary
 Semester: Fall 2012 Course Owner: PHYS
 Course: PHYS 2207 DIS 209 CID: 6191
 Title: Fundamentals of Physics
 Instructor: Dutta, Shovan
 10 Responses, 19 Enrolled, 52.63% Response

Please evaluate HOW THIS COURSE WAS TAUGHT. Evaluate each component of the course (lectures, discussion classes, 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 classes, 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 discussion class instructor: 1= poor; 3= satisfactory; 5= excellent | 3.78 | 1.13 | 9 | 1 | 0 | 1 | 5 | 2 |
| 2. OVERALL rating of the DISCUSSION CLASS: 1= poor; 3= satisfactory; 5= excellent | 3.67 | 0.94 | 9 | 0 | 1 | 3 | 3 | 2 |
| 3. Did discussion classes help you learn the course material? 1= helped very little; 3= helped somewhat; 5= helped greatly | 4.00 | 0.86 | 8 | 0 | 0 | 3 | 2 | 3 |
| 4. Was the recitation instructor (TA) knowledgeable about the subject matter? 1= not at all; 3= somewhat knowledgeable; 5= very knowledgeable | 4.89 | 0.31 | 9 | 0 | 0 | 0 | 1 | 8 |
| 5. Did the discussion class instructor (TA) arrive on time and prepared for class? 1= rarely; 3= about half of the time; 5= always | 4.89 | 0.31 | 9 | 0 | 0 | 0 | 1 | 8 |
| 6. Was the discussion class instructor willing and available to help students who had difficulty? 1= not willing and available; 3= somewhat willing and available; 5= very willing and available | 4.56 | 0.49 | 9 | 0 | 0 | 0 | 4 | 5 |
| 7. How effectively was the recitation instructor (TA) able to communicate? 1= not effectively at all; 3= somewhat effectively; 5= very effectively | 3.67 | 1.41 | 9 | 1 | 1 | 2 | 1 | 4 |
| 8. Teaching skill of the recitation instructor: 1= poor; 3= satisfactory; 5= excellent | 3.78 | 1.13 | 9 | 0 | 2 | 1 | 3 | 3 |
| 9. Did the discussion class instructor (TA) grade and return work promptly? 1= rarely; 3= about half of the time; 5= always | 4.78 | 0.41 | 9 | 0 | 0 | 0 | 2 | 7 |
| 10. Did the co-op problems help you learn the course material? 1= helped very little; 3= helped somewhat; 5= helped greatly | 4.11 | 0.99 | 9 | 0 | 1 | 1 | 3 | 4 |
| 11. Would you like to have fewer or more DISCUSSION CLASSES? 1= fewer; 3= same number (twice a week); 5= more than two per week | 2.67 | 0.81 | 9 | 1 | 2 | 5 | 1 | 0 |
| 12. If your discussion class section had an Undergraduate Learning Assistant (ULA), did the ULA help you learn the course material? 1= helped very little; 3= helped somewhat; 5= helped greatly | 4.33 | 0.66 | 9 | 0 | 0 | 1 | 4 | 4 |

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10 Responses, 19 Enrolled, 52.63% Response

1. Please write any comments about your discussion class or your TA here.

246028. Nice guy, willing to help, knows material well and can explain it well

246015. This was probably one of the classes I dreaded going to every week. I felt like I would go with no idea of what was being taught in lecture, and leave with a similar feeling. The few students who understood the material well often dominated the class, leaving those who didn't understand behind. I think the structure of this part should change. I would personally just go, look at the co-op, not have any clue how to do it (usually), and just sit in silence for 20 minutes until it was reviewed.

246019. Shovan clearly knew what he was talking about but he was not very good at explaining it. He rarely understood the questions that students asked and his answers were very confusing. Sometimes he would try to get the students to think a little further about a problem and he asked very good probing questions but they were very hard to understand and often just made students feel like they had gotten the previous question wrong somehow. Our UTA was really great, when he was there he rephrased Shovan's questions so that we could understand them and came around asking conceptual questions to help us understand why we were doing what we were doing.

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2. Please describe your worst and best learning experience in your discussion class.

246028. Sections helped for learning material.

246031. Overall, my TA was great in the sense that he would stop and take the class step-by-step through difficult co-op problems. The worst part was when we got back our first pre-lim, and everyone was outraged at the nit-picky grading system, and our TA could only shrug and say sorry because he couldn't do anything about the grading system.

246015. My worst would be the overall feeling I described above. My best experience would probably be the few times where I understood the material.

246019. Best: Getting a quiz back and realizing that my neighbor and I had done completely different things and both gotten the same answer - it helped me see the thread of continuity in all the topics we had been learning.

Worst: When I realized that there were students in the class that I hadn't heard speak since introductions on the first day, that I didn't even know were still in our section. I wish Shovan had picked on the groups that don't usually talk when no one volunteered - he always asked for volunteers and when no one raised their hand finally the same groups always begrudgingly volunteered... again.

Cornell University
 Course Evaluation Response Summary
 Semester: Fall 2012 Course Owner: PHYS
 Course: PHYS 2207 LAB 411 CID: 6179
 Title: Fundamentals of Physics
 Instructor: Dutta, Shovan
 15 Responses, 19 Enrolled, 78.95% Response

Please evaluate HOW THIS COURSE WAS TAUGHT. Evaluate each component of the course (lectures, discussion classes, 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 classes, 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 INSTRUCTOR: 1= poor; 3= satisfactory; 5= excellent | 4.14 | 0.83 | 14 | 0 | 1 | 1 | 7 | 5 |
| 2. OVERALL rating of the LAB EXPERIMENTS: 1= poor; 3= satisfactory; 5= excellent | 4.00 | 0.75 | 14 | 0 | 0 | 4 | 6 | 4 |
| 3. How well did the lab experiments help you to learn the course material? 1= helped very little; 3= helped somewhat; 5= helped greatly | 3.86 | 1.05 | 14 | 0 | 2 | 3 | 4 | 5 |
| 4. Was the lab instructor knowledgeable about the subject matter? 1=not at all; 3= somewhat knowledgeable; 5= very knowledgeable | 4.43 | 0.62 | 14 | 0 | 0 | 1 | 6 | 7 |
| 5. Did the lab instructor arrive on time and prepared? 1= rarely; 3= about half of the time; 5= always | 4.50 | 0.73 | 14 | 0 | 0 | 2 | 3 | 9 |
| 6. How willing and available was the LAB INSTRUCTOR to help students who had difficulty? 1= not willing and available; 3= somewhat willing and available; 5= very willing and available | 4.50 | 0.73 | 14 | 0 | 0 | 2 | 3 | 9 |
| 7. Was the lab instructor able to communicate effectively? 1= not effectively at all; 3= somewhat effectively; 5= very effectively | 4.07 | 0.59 | 14 | 0 | 0 | 2 | 9 | 3 |
| 8. Teaching skill of the lab instructor: 1= poor; 3= satisfactory; 5= excellent | 3.86 | 0.63 | 14 | 0 | 0 | 4 | 8 | 2 |
| 9. Did the lab instructor grade and return work promptly? 1= rarely; 3= about half of the time; 5= always | 4.79 | 0.55 | 14 | 0 | 0 | 1 | 1 | 12 |
| 10. How interesting, on average, were the lab experiments? 1= poor; 3= somewhat; 5= excellent | 3.71 | 0.88 | 14 | 0 | 1 | 5 | 5 | 3 |
| 11. Would you like to have shorter or longer LAB SECTIONS than you do currently? 1= shorter; 3= same length; 5= longer | 2.71 | 0.88 | 14 | 2 | 2 | 8 | 2 | 0 |
| 12. Would you like to have less or more computer based data analysis in lab? 1= less; 3= same; 5= more | 2.86 | 0.74 | 14 | 1 | 2 | 9 | 2 | 0 |

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

246357. Great TA!

246364. Labs were really helpful to see how physics apply to real-life situations but were more involved than problems on exams and quizzes

246367. The UTA in lab section was very useful. There should be more UTAs in the lab to help answer questions of all the students.

246362. The labs were a fun component for Physics. I learned a lot of interesting material.

246366. Shovan was very patient when we needed help with an experiment or concept.

246359. Shovan was knowledgeable of the material, but sometimes found it difficult to understand his explanations - usually got it eventually, though. He was readily available to help and pleasant to work with.

246351. Shovan was a great lab TA. Now that I think about it, it was impressive how well he was able to move around the room to try and help all of us. It was clear he wanted us to understand the material and succeed.

246356. Shovan was always there to make sure the experiment was going well and willing to answer any questions about concepts and principles of the experiment.

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2. Please describe your worst and best learning experience in your lab section.

246357. Great labs! Very helpful!

246364. Best learning experience: working with lab equipment.

Worst learning experience: poor quality of data achieved.

246362. The best part was working with partners to complete the lab on time. The worst part was the errors from the computer analysis (e.g., sometimes the computer doesn't open the data, etc.)

246359. I didn't like the last standing waves lab, mostly because it was difficult to distinguish the very slight differences in sound and the constant sound gave me a headache. I really liked the experiment with the ping pong ball and the hair dryer - lots of fun!

246351. Worst: Even though he did eventually get to everyone who had a question, sometimes it would take a while for Shovan to reach my group. It was frustrating at times because we ended up waiting for a long while before we could move on with our experiments.

Best: Shovan was always willing to help. I really appreciated that!