

Cornell University  
 Course Evaluation Response Summary  
 Semester: Fall 2015 Course Owner: PHYS  
 Course: PHYS 2213 DIS 222 CID: 8411  
 Title: Physics II: Electromagnetism  
 Instructor: S. Dutta  
 12 Responses, 20 Enrolled, 60% 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.

Question	Mean	StDevP	Count	1	2	3	4	5
1. OVERALL rating of discussion class instructor: 1= poor; 3= satisfactory; 5= excellent	4.83	0.37	12	0	0	0	2	10
2. OVERALL rating of the DISCUSSION CLASS: 1= poor; 3= satisfactory; 5= excellent	4.58	0.64	12	0	0	1	3	8
3. Did discussion classes help you learn the course material? 1= helped very little; 3= helped somewhat; 5= helped greatly	4.33	0.62	12	0	0	1	6	5
4. Was the discussion class instructor (TA) knowledgeable about the subject matter? 1= not at all; 3= somewhat knowledgeable; 5= very knowledgeable	5.00	0	12	0	0	0	0	12
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	12	0	0	0	0	12
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	12	0	0	0	0	12
7. How effectively was the discussion class instructor (TA) able to communicate? 1= not effectively at all; 3= somewhat effectively; 5= very effectively	4.75	0.43	12	0	0	0	3	9
8. Teaching skill of the discussion class instructor: 1= poor; 3= satisfactory; 5= excellent	4.83	0.37	12	0	0	0	2	10
9. Did the discussion class instructor (TA) grade and return work promptly? 1= rarely; 3= about half of the time; 5= always	4.92	0.27	12	0	0	0	1	11
10. How often did you attend discussion class? 1. never; 3= half the time; 5= every time	4.83	0.37	12	0	0	0	2	10
11. What fraction of the time did you feel engaged during discussion section? 1= Almost never; 3= 50%; 5= Almost always	4.33	0.62	12	0	0	1	6	5
12. How do you view the balance of time spent in Discussion Section between explanations/clarification of general concepts by the TA at the beginning of section versus time spent on COOP activities? 1=Need much more time on explanations/clarifications; 2=Need some more time on explanations/clarifications; 3=Balance is about right; 4=Need some more time on COOPs; 5=Need much more time on COOPs	2.83	0.89	12	1	2	8	0	1
13. In helping you to learn course material and methods, how useful did you find the Learning Catalytics COOP Problems in Discussion section? 1= not at all useful; 3= moderately useful; 5= very useful	3.83	0.89	12	0	1	3	5	3
14. Putting aside any issues with Learning Catalytics itself, how useful did you find the immediate feedback from Learning Catalytics in helping you progress through the COOP problems? 1= Immediate feedback not useful; 3= moderately useful; 5= very useful	4.58	0.75	12	0	0	2	1	9
15. Given the 70% "round up" system and 5 lowest dropped scores for the Reading Exercises and in-lecture questions, how stressful did you find the Learning Catalytics COOP problems? 1= Very stressful, 3 = Somewhat stressful, 5 = Not stressful at all	4.08	0.95	12	0	1	2	4	5
16. Would you prefer the present COOP system, OR an all-paper system - where you get paper assignments, work in groups, and write paper solutions for hand grading by the TA? 1= Strongly prefer an all-paper system; 3 = No preference; 5=Strongly prefer current system	4.17	1.14	12	0	2	1	2	7
17. In our class, we tried to make the complexity of problems and concepts gradually progress starting from fairly straightforward Reading Exercises, then to Lecture, then to more difficult problems in COOP. Did you find this progression helpful for better understanding the material? 1= not at all helpful; 3= moderately helpful; 5= very helpful	3.83	1.14	12	0	2	3	2	5

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18. On average, how did you find the amount of time allotted during section to complete the COOP problems? 1= Not enough time; felt a great deal of time pressure; 3= Just the right amount of time for COOP problems; 5 = too much time allotted; did not need that much time	2.92	0.86	12	0	4	6	1	1
19. Would you prefer our TA's office hours to be held individually at fixed times (with NO "study hall"), or in the "study hall" / drop-in format that we used? 1= Prefer individual TA office hours at fixed times (with no "study hall" available); 3= No preference; 5 = Prefer the existing "study hall" / drop-in format.	4.10	0.94	10	0	0	4	1	5
20. If you worked with an undergraduate teaching assistant (UTA) during office hours, please rate his or her overall teaching skill. 1=not applicable; 2=fair; 3=good; 4=very good; 5=excellent	3.60	1.2	5	0	1	2	0	2

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

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32533. Shovan was a great TA, I'm really glad I was assigned to his section.

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32543. Shovan was a great TA, very understanding and good at explaining stuff. Just didn't like the setup of coops because we'd often get stuck and not feel like putting the effort into doing the coops.

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32534. Honestly the best TA I've ever had or ever will have. Give him a bonus.

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32540. Shovan Dutta is spectacular at engaging the class and teaching the material. He makes the material interesting, and he seems to really care about each student's learning process. He was very prompt in grading and provided clear explanations to any questions we had.

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32527. Really great TA

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32526. Thoroughly enjoyed going to discussion

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32538. Good TA

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32535. Easily one of the best prepared an engaging TAs I've ever had for a discussion. Very knowledgeable on the subject and more than capable of explaining the difficult concepts in the course.

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32537. Shovan was great! Always very enthusiastic and willing to help students. Thank you very much for teaching us Shovan!

Cornell University  
 Course Evaluation Response Summary  
 Semester: Fall 2015 Course Owner: PHYS  
 Course: PHYS 2213 DIS 210 CID: 6355  
 Title: Physics II: Electromagnetism  
 Instructor: S. Dutta  
 8 Responses, 19 Enrolled, 42.11% 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.

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	8	0	0	0	0	8
2. OVERALL rating of the DISCUSSION CLASS: 1= poor; 3= satisfactory; 5= excellent	4.63	0.99	8	0	1	0	0	7
3. Did discussion classes help you learn the course material? 1= helped very little; 3= helped somewhat; 5= helped greatly	4.63	0.69	8	0	0	1	1	6
4. Was the discussion class instructor (TA) knowledgeable about the subject matter? 1= not at all; 3= somewhat knowledgeable; 5= very knowledgeable	5.00	0	8	0	0	0	0	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	5.00	0	8	0	0	0	0	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	5.00	0	8	0	0	0	0	8
7. How effectively was the discussion class instructor (TA) able to communicate? 1= not effectively at all; 3= somewhat effectively; 5= very effectively	5.00	0	8	0	0	0	0	8
8. Teaching skill of the discussion class instructor: 1= poor; 3= satisfactory; 5= excellent	5.00	0	8	0	0	0	0	8
9. Did the discussion class instructor (TA) grade and return work promptly? 1= rarely; 3= about half of the time; 5= always	5.00	0	8	0	0	0	0	8
10. How often did you attend discussion class? 1. never; 3= half the time; 5= every time	4.38	0.48	8	0	0	0	5	3
11. What fraction of the time did you feel engaged during discussion section? 1= Almost never; 3= 50%; 5= Almost always	4.00	0.5	8	0	0	1	6	1
12. How do you view the balance of time spent in Discussion Section between explanations/clarification of general concepts by the TA at the beginning of section versus time spent on COOP activities? 1=Need much more time on explanations/clarifications; 2=Need some more time on explanations/clarifications; 3=Balance is about right; 4=Need some more time on COOPs; 5=Need much more time on COOPs	3.25	0.96	8	1	0	3	4	0
13. In helping you to learn course material and methods, how useful did you find the Learning Catalytics COOP Problems in Discussion section? 1= not at all useful; 3= moderately useful; 5= very useful	4.13	0.92	8	0	1	0	4	3
14. Putting aside any issues with Learning Catalytics itself, how useful did you find the immediate feedback from Learning Catalytics in helping you progress through the COOP problems? 1= Immediate feedback not useful; 3= moderately useful; 5= very useful	4.63	0.48	8	0	0	0	3	5
15. Given the 70% "round up" system and 5 lowest dropped scores for the Reading Exercises and in-lecture questions, how stressful did you find the Learning Catalytics COOP problems? 1= Very stressful, 3 = Somewhat stressful, 5 = Not stressful at all	4.50	0.5	8	0	0	0	4	4
16. Would you prefer the present COOP system, OR an all-paper system - where you get paper assignments, work in groups, and write paper solutions for hand grading by the TA? 1= Strongly prefer an all-paper system; 3 = No preference; 5=Strongly prefer current system	4.50	0.86	8	0	0	2	0	6
17. In our class, we tried to make the complexity of problems and concepts gradually progress starting from fairly straightforward Reading Exercises, then to Lecture, then to more difficult problems in COOP. Did you find this progression helpful for better understanding the material? 1= not at all helpful; 3= moderately helpful; 5= very helpful	3.63	0.99	8	0	1	3	2	2

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 Title: Physics II: Electromagnetism  
 Instructor: S. Dutta  
 8 Responses, 19 Enrolled, 42.11% Response

18. On average, how did you find the amount of time allotted during section to complete the COOP problems? 1= Not enough time; felt a great deal of time pressure; 3= Just the right amount of time for COOP problems; 5 = too much time allotted; did not need that much time	2.13	0.33	8	0	7	1	0	0
19. Would you prefer our TA's office hours to be held individually at fixed times (with NO "study hall"), or in the "study hall" / drop-in format that we used? 1= Prefer individual TA office hours at fixed times (with no "study hall" available); 3= No preference; 5 = Prefer the existing "study hall" / drop-in format.	4.20	0.74	5	0	0	1	2	2
20. If you worked with an undergraduate teaching assistant (UTA) during office hours, please rate his or her overall teaching skill. 1=not applicable; 2=fair; 3=good; 4=very good; 5=excellent	2.00	1	2	1	0	1	0	0

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8 Responses, 19 Enrolled, 42.11% Response

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

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32301. Shovan was an awesome TA and really enthusiastic about the class

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32308. he explained very well and was always ready to help out

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32319. Shovan was a great TA. Always offered to help and was clear in his explanations. Always willing to go over something until it was understood.

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32310. Shovan was very knowledgeable about the material and was extremely willing to help overcome difficulties that I might have. The demonstrations from time to time were also fascinating.

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32313. TA was excellent

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32302. My TA was absolutely fantastic, but it was difficult for him to showcase his knowledge and good teaching because we always had to cut short the review to work on the coop. You could tell that he wanted to be teaching us and answering our questions, but felt pressured to start work on the coop so that we could finish. Shovan also brought in demos occasionally that were great but would also feel pressure from the LC.

Cornell University  
 Course Evaluation Response Summary  
 Semester: Fall 2015 Course Owner: PHYS  
 Course: PHYS 2213 LAB 420 CID: 7269  
 Title: Physics II: Electromagnetism  
 Instructor: S. Dutta  
 11 Responses, 18 Enrolled, 61.11% 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 INSTRUCTOR: 1= poor; 3= satisfactory; 5= excellent	4.27	1.21	11	1	0	1	2	7
2. OVERALL rating of the LAB EXPERIMENTS: 1= poor; 3= satisfactory; 5= excellent	3.09	0.79	11	0	3	4	4	0
3. How well did the lab experiments help you to learn the course material? 1= helped very little; 3= helped somewhat; 5= helped greatly	2.55	1.07	11	2	4	2	3	0
4. Was the lab instructor knowledgeable about the subject matter? 1=not at all; 3= somewhat knowledgeable; 5= very knowledgeable	4.36	0.97	11	0	1	1	2	7
5. Did the lab instructor arrive on time and prepared? 1= rarely; 3= about half of the time; 5= always	4.40	0.8	10	0	0	2	2	6
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	4.36	0.97	11	0	1	1	2	7
7. Was the lab instructor able to communicate effectively? 1= not effectively at all; 3= somewhat effectively; 5= very effectively	4.36	1.22	11	1	0	1	1	8
8. Teaching skill of the lab instructor: 1= poor; 3= satisfactory; 5= excellent	4.09	1.16	11	1	0	1	4	5
9. Did the lab instructor grade and return work promptly? 1= rarely; 3= about half of the time; 5= always	4.60	0.66	10	0	0	1	2	7
10. How interesting, on average, were the lab experiments? 1= poor; 3= somewhat; 5= excellent	3.09	0.89	11	0	3	5	2	1
11. Did the lab activities seem to be connected with the rest of the course or just a separate body of knowledge? 1= completely separate; 3= somewhat connected; 5= closely connected	3.36	0.97	11	0	3	2	5	1
12. Did you find the Pre-Labs useful in preparing for the labs? 1= not at all useful; 3= moderately useful; 5= extremely useful	3.00	0.95	11	1	2	4	4	0
13. How useful did you find the lab manual for performing the labs? 1= not at all useful; 3= moderately useful; 5= extremely useful	3.45	0.89	11	0	1	6	2	2
14. How would you rank the length of the labs? 1= too short; 3= about right; 5= too long	3.45	0.49	11	0	0	6	5	0

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Instructor: S. Dutta  
11 Responses, 18 Enrolled, 61.11% Response

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

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32916. I didn't enjoy the lab content very much, but Shovan is a great instructor and made the lab (which otherwise I found generally unhelpful) worth it.

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32913. Labs are labs. I don't like them, but I do admit they are helpful. They teach the material "hands on," which is something I admire. The Lab instructor was helpful.

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32909. labs did not feel nearly as helpful as reading exercises/coops

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32911. Labs were useless and did not help learning at all

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32917. Some of the experiments seemed to drag on with redundant results in order to emphasize a result we had already learned. The oscilloscope lab was easily the most useful, as it taught what I tend to think of labs for: practical, experimental techniques and use of common equipment in the field.

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32912. There were a couple of concepts that were introduced only in the lab. These were confusing for everyone because we had not seen them in lecture and never really learned more about them. This made the stress that came with learning about them during lab feel like it was for nothing because the course did not emphasize the concepts later.