

Course: wl.202110.ECE.30411.001.21492: Electromagnetics I
Instructor: Michael Melloch *
Response Rate: 41/63 (65.08 %)

Question		1	2	3	4	5	6
YOUR CLASS	n	0	1	15	25	0	0
	%	0.00%	2.44%	36.59%	60.98%	0.00%	0.00%

Scale: 1 = Fresh, 2 = Soph, 3 = Jr, 4 = Sr, 5 = Grad, 6 = Other

Question		1	2	3	4	5	6	7
EXPECTED GRADE	n	18	16	7	0	0	0	0
	%	43.90%	39.02%	17.07%	0.00%	0.00%	0.00%	0.00%

Scale: 1 = A, 2 = B, 3 = C, 4 = D, 5 = F, 6 = Pass, 7 = Fail

Question		1	2	3
COURSE REQUIRED	n	38	1	2
	%	92.68%	2.44%	4.88%

Scale: 1 = Required for your major/minor, 2 = Required by school/University, 3 = Elective

Question	YOUR SCHOOL	n	%
1	AG	0	0.00%
2	ED	0	0.00%
3	ENGR	41	100.00%
4	HHS	0	0.00%
5	LA	0	0.00%
6	MGMT	0	0.00%
7	PHARM	0	0.00%
8	SCI	0	0.00%
9	PPI	0	0.00%
10	VET MED	0	0.00%
11	11 UNDECLARED	0	0.00%

Question		5	4	3	2	1	Mean	Std	Median
The class activities are well prepared and organized.	n	31	10	0	0	0	4.76	0.43	5.00
	%	75.61%	24.39%	0.00%	0.00%	0.00%			
The assignments aid me in achieving the class objectives.	n	31	10	0	0	0	4.76	0.43	5.00
	%	75.61%	24.39%	0.00%	0.00%	0.00%			
The projects or laboratories aid me in achieving the class objectives. [where relevant]	n	18	5	16	0	0	4.05	0.94	4.00
	%	46.15%	12.82%	41.03%	0.00%	0.00%			
The examinations aid me in achieving the class objectives. [where relevant]	n	29	11	0	1	0	4.66	0.62	5.00
	%	70.73%	26.83%	0.00%	2.44%	0.00%			
The instructor clearly explains material so that I can understand it.: Michael Melloch	n	33	7	1	0	0	4.78	0.47	5.00
	%	80.49%	17.07%	2.44%	0.00%	0.00%			
The instructor is open to my questions and effectively answers them.: Michael Melloch	n	36	5	0	0	0	4.88	0.33	5.00
	%	87.80%	12.20%	0.00%	0.00%	0.00%			
The instructor seems to care that I learned this material.: Michael Melloch	n	38	3	0	0	0	4.93	0.26	5.00
	%	92.68%	7.32%	0.00%	0.00%	0.00%			
The instructor willingly makes time to help other students and me.: Michael Melloch	n	34	7	0	0	0	4.83	0.38	5.00
	%	82.93%	17.07%	0.00%	0.00%	0.00%			
The instructor is fair and consistent in evaluating my performance in the course.: Michael Melloch	n	33	7	0	1	0	4.76	0.58	5.00
	%	80.49%	17.07%	0.00%	2.44%	0.00%			
The instructor created a welcoming and inclusive classroom environment.: Michael Melloch	n	34	7	0	0	0	4.83	0.38	5.00
	%	82.93%	17.07%	0.00%	0.00%	0.00%			

Scale: 5 = strongly agree, 4 = agree, 3 = neither agree nor disagree, 2 = disagree, 1 = strongly disagree

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We welcome your comments below. What is something/are some things that the instructor does well, e.g., something you hope that the instructor will continue to do in the class in the future?: Michael Melloch

- The format that lessons were taught in was extremely conducive to learning; I hope that this course (if taught online again) would be presented in this manner again.
- Professor Melloch will often demonstrate example experiments that demonstrate or prove the relevant theory. These demonstrations helped connect the perhaps seemingly abstract ideas to concrete examples. He also very clearly cares about student's learning the content
- Professor Melloch is an amazing professor and he has done so much to make sure I understand and that I get the help I need, especially the few times I've been quarantined this semester. Honestly I would not understand things as well as I do if he had not been so willing to help me.
- I liked the grading scale, as it offers a lot of room for making up points. I also enjoyed all of the lecture videos. There were history lessons, as well as really neat demonstrations that helped explain the material.
- Always open to helping students, and conducted very helpful demonstrations in class. Very dedicated in what he does.
- I love that you broke the videos into sections and had them be very short, that made it very easy to review certain concepts and to pay attention as well. I also love the point recovery on the exams and your view on how learning is achieved. I truly felt that you cared more that we learn the material than just get a grade and I really appreciate that.
- I think the demonstrations are very beneficial to giving the students an visual connection to what often is hard to visualize.
- Professor Melloch is the most organized and effective teacher I have ever encountered at Purdue. He has deft with the unusual semester circumstances extremely well
- Making CPR video is really helpful to fix own mistakes. By making video, we can remember what we missed before, and we can get back the point. And also, because the materials are really organized, it is really clear and easy to see. Furthermore, when we write the reflection, he will read our reflection and answer for the questions. I think this also can help us to the learn the materials.
- I liked how the instructional videos were divided into short clips that focused on a single topic/example. This made it easier to go back and reference these videos when completing a homework assignment. The recitation sessions also helped me understand the topics presented in class.
- Ample office hours were made available and were able to accommodate more if necessary
- I have nothing but positive remarks for Professor Melloch. He has continuously impressed me. He is very organized, and teaches material in a way that's easy to understand. He is open to questions and easy to reach. Additionally, what I find to be his greatest strength, and a somewhat rare quality in Purdue ECE, is that he genuinely cares about his students and their well-being. I love that about him. Professor Melloch is definitely one of my favorite professors in my time at Purdue.
- I like the way that the videos were in order by topic. It makes it easy to locate as well.
- The thing that I normally most strongly dislike in ECE are exams, and how decisive they are. I often find myself struggling with motivation around exam time, due to the amount of importance placed upon exams in our final grades. They effect our GPAs so greatly for something that usually only lasts an hour. Prof Melloch allows us to participate in point recovery, which incentives me to really learn the material, and reduces my anxiety levels during the exam. Also, feedback on the reflections feels personal in a positive way that is difficult to achieve without seeing people in person this semester.
- The videos that demonstrate devices that can be made using the principles introduced in this class help keep my attention.
- I love the way the online weekly lectures are laid out every week, with multiple bite-sized videos that each go over one topic or subtopic. I also very much enjoy the fact that the homeworks are for extra credit, and are worth a whopping 30 points. That helps me psychologically view homeworks as "helpful to the learning process and good for your grade" instead of "absolutely necessary and very stressful". Overall, your teaching style shows that you prioritize enabling students to learn instead of just teaching. This class was an absolute pleasure to be a part of, and I wish more instructors would structure their courses the way you structure yours.
- I really liked his enthusiasm for the course material. I liked how he performed a lot of experiments and demonstrations in class that reflected what we were learning in lecture. I thought that the homework, example problems, and past exams were very helpful in understanding the material.
- One of the best courses I have taken at Purdue. Outstanding professor and great structure to the course.
- I really liked how the lecture videos were short and easily digestible. Each one covered a certain topic and made it easy to go back and reviews topics I struggled with.
- I really want to comment on the fact that you create such a positive learning environment. There are no surprises between lecture content and homework problems, and exam material is along the exact same lines. My learning style is focused around doing examples, and you provided many opportunities to do so before the exam. I also think it is really beneficial that you allow students to complete a CPR activity. It really helped me calm myself during the exams if I could not complete a problem, and in turn allowed me to learn the material. I will be recommending this class to other ECE students! Regarding the COVID situation, I think you did a great job designing your course.
- Professor Melloch is excellent in all regards. He's prepared online materials are informative, concise, and in many cases very interesting. The constant relating of course material to real world experiments and the scientist who discovered the phenomena demonstrates both his knowledge and care for the students learning. I think the fact that the class actually begins with lessons on the psychology of learning further demonstrates this fact.
- He was awesome! Such a great professor. He genuinely seemed like he cared about our learning which could be seen from his great lecture videos. He was always very responsive to questions and responded quickly to the reflections. His point recovery system was also something I loved. It helped me stress less about exams so that I could focus on learning the material and doing my best. The homeworks were also very doable and relevant to what we were learning. They were never unnecessarily long and always had value. I don't have any suggestions. This was a hard class to teach and he did an amazing job.
- The course was well adjusted to online learning and the professor was very invested in his students learning. The online zoom sessions before exams were very helpful and the online lecture videos were the appropriate length.
- Very good lecturer. I can also tell that he genuinely cares about his students and that they're learning the material.
- He was very helpful in aiding me on problems and explained answers clearly
- Dr. Melloch combines the experiments and concepts together and helps the students so much. He is good:)
- Class went very smoothly even with being mostly online, and lecture videos were understandable and very well made. Additionally, the in person recitations were very helpful for reviewing the material. Overall, the class was the most well ran I have taken online. Thank you for doing such a great job with this course.
- Mr. Melloch is an excellent professor and is always helpful to students. He explains the material well and care's about student success.
- I really enjoyed learning from professor Melloch. He was usually very good at explaining difficult material and typically prepared us well for what material we could expect on the exams. I really appreciated some of his demonstrations and I am genuinely disappointed I was not able to see more of them in person. I really appreciated how well he would answer questions and he did a great job sticking with students until they understood the concept.
- I hope he can continue to give the opportunity of doing videos to make up exam scores.

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Make a suggestion(s) for improving the course (a criticism alone is not helpful; tell your instructor how you would fix any problem).: Michael Melloch

- I think a project where the students recreate one of the demo and explain the concept behind it would be beneficial to the understanding of the material.
- This class is great. One suggestion, on the videos where a great deal of math is written out, I would have enjoyed doing along with Professor Melloch instead of pausing the video constantly. When he does the math all out he offers a great deal of insight to the metal model
- N/A
- Decrease the length of the videos, some were a bit long, and hard to follow
- I can't think of any improvements that need to be made.
- I understand the videos are split up by topic, but sometimes it's really difficult to find motivation to watch 10 small videos a week, as opposed to watching 3 videos as week (each being an hour long). It was difficult for me to watch everything, but this problem was really miniscule. I like the way this course was run.
- I would suggest consolidating all the due dates in the brightspace calendar to make it easier for students to make sure that they're not missing anything. Currently point recovery due dates are in emails, homework due dates are in gradescope, and weekly reflections are in bright space. When due dates aren't consolidated it can be easy to loose track of things. I'd also recommend using the announcements feature in addition to email announcements currently being sent out.
- I like the idea of weekly reflections, but I had a hard time staying a week ahead of the homework for the lectures, thus I didn't do many of the reflections. I understand the reason for having weekly reflections ahead of the homework (and I think it's a great idea), but I don't think it should cost 10% of the grade for not viewing the lectures a week before the homework they apply to. I think the reflections should either become extra credit like the homework, or be due right before or after the homework is due. Honestly, I just never prioritized doing the reflections because I figured the extra credit from the homework would cover the 10% lost from the reflections. The system in place now is great for allowing that to occur, but I'd like to see if there is a way to make doing reflections easier than having to be a week ahead.
- I really liked recitation and believe that I got a lot out of it. I wish that we had more recitations or that recitation was longer.
- I actually have no suggestions... I really liked the class :)
- I had very little problem with the course and only wish I could have attended lectures in person.
- With the transition to online learning, I feel as though this was the class that I usually put on the back burner. There wasn't a whole lot of accountability to watch the lectures at a reasonable, pace, so I found myself often just quickly going through them last minute. One thing that another one of my professors did was give us a quiz Monday, Wednesday, and Friday over the lecture for that day. The quizzes themselves weren't worth a whole lot, but it provided enough motivation to make sure that I'm watching the lectures throughout the week. Playing into that, since this class posted several shorter videos a week, I think grouping the videos into three different days could also be useful to show students how to portion out there time. Lastly, there were some homework problems that I would come across and have no clue how to solve them. I think providing extra example problems with solutions (whether in video form or just written out) could be useful. I found myself often looking at the past exams in order to figure out how to solve some of the problems.
- The only complaint I have is that the timing of the exams could've been better synchronized with the lecture content in some situations. There were a few weeks where we had an exam that did not include the past two weeks of lecture content, which made watching that lecture content feel odd since it wasn't applicable to the exam. For next semester, it would be preferable in my opinion if you moved the second and third exams back a week or two to circumvent this issue.
- I thought sometimes he would grade a little harshly and he would not always give us quite enough time to take the exam because we had to copy all the diagrams and pictures down from the exam as well as solve the problems. Maybe giving a little more time for exams would have helped this, but overall I thought he was pretty fair.
- He's perfect, period.