

**Course:** wl.202120.ECE.30411.002.19712: Electromagnetics I  
**Instructor:** Michael Melloch \*  
**Response Rate:** 42/78 (53.85%)

1 - YOUR CLASS					
Response Option	Weight	Frequency	Percent	Percent Responses	Means
Fresh	(1)	0	0.00%		
Soph	(2)	2	4.76%		
Jr	(3)	34	80.95%	████████████████████	
Sr	(4)	6	14.29%	████	
Grad	(5)	0	0.00%		
Other	(6)	0	0.00%		
				0 25 50 100	
<b>Response Rate</b>					
42/78 (53.85%)					

2 - EXPECTED GRADE					
Response Option	Weight	Frequency	Percent	Percent Responses	Means
A	(1)	24	57.14%	████████████████	
B	(2)	11	26.19%	██████████	
C	(3)	5	11.90%	████	
D	(4)	1	2.38%		
F	(5)	0	0.00%		
Pass	(6)	1	2.38%		
Fail	(7)	0	0.00%		
				0 25 50 100	
<b>Response Rate</b>					
42/78 (53.85%)					

3 - COURSE REQUIRED					
Response Option	Weight	Frequency	Percent	Percent Responses	Means
Required for your major/minor	(1)	39	92.86%	████████████████████	
Required by school/University	(2)	0	0.00%		
Elective	(3)	3	7.14%	██	
				0 25 50 100	
<b>Response Rate</b>					
42/78 (53.85%)					

4 - YOUR SCHOOL					
Response Option	Weight	Frequency	Percent	Percent Responses	Means
AG	(1)	0	0.00%		
ED	(2)	0	0.00%		
ENGR	(3)	42	100.00%	████████████████████	
HHS	(4)	0	0.00%		
LA	(5)	0	0.00%		
MGMT	(6)	0	0.00%		
PHARM	(7)	0	0.00%		
SCI	(8)	0	0.00%		
PPI	(9)	0	0.00%		
VET MED	(10)	0	0.00%		
UNDECLARED	(11)	0	0.00%		
				0 25 50 100	
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5 - The class activities are well prepared and organized.					
Response Option	Weight	Frequency	Percent	Percent Responses	Means
Strongly Agree	(5)	33	78.57%		4.79
Agree	(4)	9	21.43%		
Neither Agree nor Disagree	(3)	0	0.00%		
Disagree	(2)	0	0.00%		
Strongly Disagree	(1)	0	0.00%		
				0 25 50 100	Question
<b>Response Rate</b>		<b>Mean</b>		<b>STD</b>	<b>Median</b>
42/78 (53.85%)		4.79		0.42	5.00




6 - The assignments aid me in achieving the class objectives.					
Response Option	Weight	Frequency	Percent	Percent Responses	Means
Strongly Agree	(5)	32	76.19%		4.74
Agree	(4)	9	21.43%		
Neither Agree nor Disagree	(3)	1	2.38%		
Disagree	(2)	0	0.00%		
Strongly Disagree	(1)	0	0.00%		
				0 25 50 100	Question
<b>Response Rate</b>		<b>Mean</b>		<b>STD</b>	<b>Median</b>
42/78 (53.85%)		4.74		0.50	5.00




7 - The projects or laboratories aid me in achieving the class objectives. [where relevant]					
Response Option	Weight	Frequency	Percent	Percent Responses	Means
Strongly Agree	(5)	23	56.10%		4.32
Agree	(4)	8	19.51%		
Neither Agree nor Disagree	(3)	10	24.39%		
Disagree	(2)	0	0.00%		
Strongly Disagree	(1)	0	0.00%		
				0 25 50 100	Question
<b>Response Rate</b>		<b>Mean</b>		<b>STD</b>	<b>Median</b>
41/78 (52.56%)		4.32		0.85	5.00




8 - The examinations aid me in achieving the class objectives. [where relevant]					
Response Option	Weight	Frequency	Percent	Percent Responses	Means
Strongly Agree	(5)	27	65.85%		4.61
Agree	(4)	12	29.27%		
Neither Agree nor Disagree	(3)	2	4.88%		
Disagree	(2)	0	0.00%		
Strongly Disagree	(1)	0	0.00%		
				0 25 50 100	Question
<b>Response Rate</b>		<b>Mean</b>		<b>STD</b>	<b>Median</b>
41/78 (52.56%)		4.61		0.59	5.00

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9 - The instructor clearly explains material so that I can understand it.						
Michael Melloch						
Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	34	80.95%			4.81
Agree	(4)	8	19.05%			
Neither Agree nor Disagree	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
				0 25 50 100	Question	
<b>Response Rate</b>		<b>Mean</b>		<b>STD</b>		<b>Median</b>
42/78 (53.85%)		4.81		0.40		5.00







10 - The instructor is open to my questions and effectively answers them.						
Michael Melloch						
Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	38	90.48%			4.90
Agree	(4)	4	9.52%			
Neither Agree nor Disagree	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
				0 25 50 100	Question	
<b>Response Rate</b>		<b>Mean</b>		<b>STD</b>		<b>Median</b>
42/78 (53.85%)		4.90		0.30		5.00

11 - The instructor seems to care that I learned this material.						
Michael Melloch						
Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	38	90.48%			4.90
Agree	(4)	4	9.52%			
Neither Agree nor Disagree	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
				0 25 50 100	Question	
<b>Response Rate</b>		<b>Mean</b>		<b>STD</b>		<b>Median</b>
42/78 (53.85%)		4.90		0.30		5.00

12 - The instructor willingly makes time to help other students and me.						
Michael Melloch						
Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	37	88.10%			4.88
Agree	(4)	5	11.90%			
Neither Agree nor Disagree	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
				0 25 50 100	Question	
<b>Response Rate</b>		<b>Mean</b>		<b>STD</b>		<b>Median</b>
42/78 (53.85%)		4.88		0.33		5.00

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13 - The instructor is fair and consistent in evaluating my performance in the course.					
Michael Melloch					
Response Option	Weight	Frequency	Percent	Percent Responses	Means
Strongly Agree	(5)	37	88.10%		
Agree	(4)	4	9.52%		
Neither Agree nor Disagree	(3)	1	2.38%		
Disagree	(2)	0	0.00%		
Strongly Disagree	(1)	0	0.00%		
				0 25 50 100	Question
<b>Response Rate</b>			<b>Mean</b>	<b>STD</b>	<b>Median</b>
42/78 (53.85%)			4.86	0.42	5.00

14 - The instructor created a welcoming and inclusive classroom environment.					
Michael Melloch					
Response Option	Weight	Frequency	Percent	Percent Responses	Means
Strongly Agree	(5)	33	78.57%		
Agree	(4)	9	21.43%		
Neither Agree nor Disagree	(3)	0	0.00%		
Disagree	(2)	0	0.00%		
Strongly Disagree	(1)	0	0.00%		
				0 25 50 100	Question
<b>Response Rate</b>			<b>Mean</b>	<b>STD</b>	<b>Median</b>
42/78 (53.85%)			4.79	0.42	5.00

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**15 - 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**

<b>Response Rate</b>	22/78 (28.21%)
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- Professor Melloch may just be the best professor I have had at Purdue. He is engaging, welcoming, does a terrific job teaching the material, and appears to be genuinely passionate about the subject which helps keep the student's attention.
- Professor Melloch makes it very clear that the course is not just about learning about electromagnetism, but about learning as well. He excels and goes above and beyond to have students learn the topic, along with HOW to learn. The key distinction of learning how to learn is way more important than that of just memorizing topics.
- Excellent videos that thoroughly explain the content. Great policies on exams and homework such that I feel like I am actually learning something instead of just mental drilling. Weekly recitations reinforce the previous week's concept. Open note exams greatly alleviate stress associated with the class.
- Continue doing the CPR! They helped a lot in gaining understanding and building the habit of reviewing tests and old material.
- I think that Melloch is a wonderful professor, and he seems to care a lot about the subject. He did a great job with this course, and I liked that he allowed us the opportunity to explain an exam problem to get points back. This helped me get points back for a problem I knew how to do, but made a silly mistake on.
- Very good teaching, practice problems are very helpful
- Personally, I believe the format of the course allowed me to learn very well. The lecture videos were short and concise, which allows students to focus on the important things we need to know. I hope that this is something that continues to future semesters.
- Professor Melloch does an absolutely amazing job at teaching. He truly cares about the material, and ranks as one of the best instructors I have ever had here at Purdue. The most engaging part of his style of teaching is his experiments. There are always multiple experiments each week that he performs, and they aid greatly in the understanding of the material. I have enjoyed this class immensely and will be sad to be finished with it.
- One of my favorite profs at Purdue. Was excited to learn the material because of him. Being approachable, quick at answering emails, and offering office hours repeatedly was a great help. Loved that he offered past exams.
- I enjoyed the many short lectures instead of a few 50 minute lectures. It allowed me to watch a few lectures when I did not have a lot of time. It also makes it easy to rewatch lectures for studying.
- Everything that he did this semester was amazing. Everyone should watch and learn how he does online classes. He makes the information easy to get, the work relate well to the lessons being taught, and has videos that demonstrate the things he's lecturing about too. The grading is clear and fair and I never felt like I got cheated out of my work. I've never seen a better professor.
- Very concise and informative lecture videos. The demonstrations are extremely interesting to watch and help reinforce concepts in this class. Often available to answer student questions through Piazza or office hours. The course can be kept the way it is.
- Prof does fantastic job of making concise and informative videos. Fantastic job of bring experiments to students virtually.
- I really enjoy the module-style lectures each week. I also like the weekly reflections with the online class format, because it forces me to keep up with the lectures. I also really appreciate how quickly Professor Melloch typically responds to emails.
- Thank you for this absolutely amazing course!
- Prof Melloch is one of the most caring Professors that I have had. He is good at explaining the material and also provides plenty of examples which helps understand the material even better.
- I think Prof. Melloch did a phenomenal job of explaining rather difficult material. It's much easier to enjoy something if you understand it, and thanks to Prof. Melloch's stellar job of presenting the material in a way that was easy to understand, I came to love this class. I also really loved all the demonstrations. Bravo!
- Dr. Melloch, you are one of the best professors that I've ever had at Purdue and in ECE. I learned so much in your class and developed a fundamental understanding of a lot of different concepts this semester. I wouldn't change a single thing in the class. Your video lectures, recitations, and CPRs were all very fair. Thank you for a great semester!
- Melloch is awesome at explaining the material while not expecting us to know how to solve advanced problems off the bat. The homeworks & exams feel very fair and the classwork properly prepares us.
- I really like the whole structure of the class. I love that we are able to recover points from exams and that homework is count as bonus points. I think these have motivated me to look through my exam and try to understand why I did wrong. Bonus points homework gives us a lot of freedom, but since a lot of exams questions are similar to homework, it is still beneficial to do homework. The professor also really cares about his students and takes students suggestions to improve the course.
- Professor Melloch's lectures are done extremely well. The proofs are clear and well explained and the applications of the material are interesting. The professor also uses demonstrations very effectively which keeps the material interesting and helps explain alot of the unintuitive material.
- I appreciated the zoom sessions before the exam, and I liked that they were often the day before or the day of the exam. Help sessions that are too early are not helpful because I likely haven't gotten very far in studying yet. So I liked the timing of those and that the professor was so kind and thorough in how he answered the questions. Normally I am too shy to ever ask questions in class, but during those zoom sessions, I actually asked some questions. There are so many things I liked about this class, actually! The lectures had real-life stuff that I could potentially make by myself. The material of the class was all fascinating and clearly useful in a lot of different applications. I loved the weekly feedback through the reflections. It was awesome to be able to ask questions, sometimes about stuff that was just interesting, not necessarily important for the exams. That got me excited about learning again. Also, I know this is not the most professional thing to say, but I just thought that Prof. Melloch was a really neat person and I hope to be like him someday. He had great taste in music, was very intelligent, knew how to make real devices out of common items, and it sounded like he treated his wife very kindly. I wish I could spend more time around him. As painful as engineering school is, sometimes it's worth it just to meet people like him (and also to see the cool demonstrations he would do in class haha).

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**16 - 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**

<b>Response Rate</b>	16/78 (20.51%)
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- One improvement that I would make given the online format is that I think it would be greatly beneficial if in the weekly material there were "optional" worked out example problem videos. This could potentially help clarify any uncertainties someone may have about a specific problem in the homework.
- Excellently put together class, little to no criticisms.
- I don't have any criticisms
- The homework is sometimes very difficult and I think we could use some more help with it
- The only suggestion I would have to improve the course would to include a few more example problems in lectures. I know the purpose of this semester was to keep all the videos short and concise, but if there were a few more example problems sprinkled in in each lecture, I feel as though it would aid learning and applying the material a bit better. Other than that, I don't have any issues with this course.
- None
- I wish that he kept a consistent way of communicating due dates. Throughout the semester, most likely due to feedback, he changed the way that he communicated deadlines. I was not expecting this change. I wish when adopting new forms of communication they were additive (adding the new forms of communication/notification on top of the previously used ones) because it was hard to keep up with the change.
- N/A
- You're perfect.
- If the course has a similar online format next semester, this course has been perfectly fitted. He is probably one of the best professors I have taken a course with
- Maybe some more example problem videos in the weekly material
- I have no issues with this class
- Nothing to put here
- None. I am very impressed that the suggestions that I gave mid semester have all been fixed by the professor! Thank you!
- The lectures on the last two weeks (standing waves, traveling waves, ect...) are quite confusing and I think that the material introduces too much mathematics too fast. Splitting up the lectures/adding more lectures on the material could help.
- On the first exam, it sounded like he wanted people to be able to do everything really quickly. I didn't have a problem with time and got an okay grade, but I think that the only reason I did okay was because I recognized patterns in the past exams. But I didn't always fully understand why I was doing the steps I was doing to solve the problem. After doing so many, I just sort of developed an intuition about how to do the problems. This was good for taking the exams quickly, but I don't think it should be encouraged because going slow and making sure you understand why you are doing what you are doing is much more important. My friend didn't get as good of a grade, but he was really trying to approach things with a more fundamental understanding so I don't think that I deserve a better grade.