Course:	ECE31100 003 - Elec & Magnetic Fields	Department:	ECE
		Responses / Expected:	28 / 51 (54.90%)

1a - Demographics

		ECE31100 - 003									
		Responses						Course			
		F	S	JR	SR	G	O	N	Grp Med	Mode	Std Dev
Q1	YOUR CLASS	0	1	21	6	0	0	**28**	**3.1**	3	.47

Responses: [**F**] Fresh=1 [**S**] Soph=2 [**JR**] Jr=3 [**SR**] Sr=4 [**G**] Grad=5 [**O**] Other=6

1a - Demographics

		ECE31100 - 003										
		Responses							Course			
		A	B	C	D	F	P	F	N	Grp Med	Mode	Std Dev
Q2	EXPECTED GRADE	12	13	3	0	0	0	0	**28**	**6.3**	6	.66

Responses: [**A**] A=7 [**B**] B=6 [**C**] C=5 [**D**] D=4 [**F**] F=3 [**P**] Pass=2 [**F**] Fail=1

1a - Demographics

		ECE31100 - 003						
		Responses			Course			
		RFY	RBS	E	N	Grp Med	Mode	Std Dev
Q3	COURSE REQUIRED	27	0	1	**28**	**1.0**	1	.37

Responses: [**RFY**] Required for your major/minor=1 [**RBS**] Required by school/University=2 [**E**] Elective=3

1a - Demographics

		ECE31100 - 003													
		Responses										Course			
		AG	ED	E	HHS	LA	M	P	SCI	T	VM	U	N	Grp Med	Mode	Std Dev
Q4	YOUR SCHOOL	0	0	28	0	0	0	0	0	0	0	0	**28**	**9.0**	9	0

Responses: [**AG**] AG=11 [**ED**] ED=10 [**E**] ENGR=9 [**HHS**] HHS=8 [**LA**] LA=7 [**M**] MGMT=6 [**P**] PHARM=5 [**SCI**] SCI=4 [**T**] TECH=3 [**VM**] VET MED=2 [**U**] UNDECLARED=1

2a - University questions about your course

		ECE31100 - 003								
		Responses					Course			
		E	G	F	P	VP	N	Grp Med	Mode	Std Dev
Q5	Overall, I would rate this course as:	16	12	0	0	0	**28**	**4.6**	5	.49

Responses: [**E**] Excellent=5 [**G**] Good=4 [**F**] Fair=3 [**P**] Poor=2 [**VP**] Very Poor=1

2b - University questions about your instructor

		Melloch, Michael R								
		Responses					Individual			
		E	G	F	P	VP	N	Grp Med	Mode	Std Dev
Q6	Overall, I would rate this instructor as:	27	1	0	0	0	**28**	**5.0**	5	.19

Responses: [**E**] Excellent=5 [**G**] Good=4 [**F**] Fair=3 [**P**] Poor=2 [**VP**] Very Poor=1

ECE Standard questions about course

		ECE31100 - 003											
		Responses								Course			
		EE	C	ME	MSE	AAE	IE	CS	O	N	Grp Med	Mode	Std Dev
Q7	What is your MAJOR?	28	0	0	0	0	0	0	0	**28**	**8.0**	8	0

Responses: [**EE**] EE=8 [**C**] CmpE=7 [**ME**] ME=6 [**MSE**] MSE=5 [**AAE**] AAE=4 [**IE**] IE=3 [**CS**] CS=2 [**O**] Other=1

ECE Standard questions about course

		ECE31100 - 003								
		Responses					Course			
		4	3	2	2	1	N	Grp Med	Mode	Std Dev
Q8	What is your current GPA?	8	13	7	0	0	**28**	**2.0**	2	.73

Responses: [**4**] 4.00-3.50=1 [**3**] 3.49-3.00=2 [**2**] 2.99-2.50=3 [**2**] 2.49-2.00=4 [**1**] 1.99-1.00=5

ECE Standard questions about course	ECE31100 - 003									
	Responses							Course		
	1-2	3-4	5-6	7-9	1	>12	N	Grp Med	Mode	Std Dev
Q9 What is the average number of out-of-class HOURS/WEEK you devote to the lecture portion of the class?	1	16	7	3	1	0	28	2.3	2	.87

Responses: [1-2] 1-2=1 [3-4] 3-4=2 [5-6] 5-6=3 [7-9] 7-9=4 [1] 10-12=5 [>12] >12=6

ECE Standard questions about course	ECE31100 - 003									
	Responses							Course		
	E	G	F	P	VP		N	Grp Med	Mode	Std Dev
Q10 Please evaluate the CONTENT OF THIS COURSE.	15	12	1	0	0		28	4.6	5	.57
Q11 Evaluate the ORGANIZATION OF THIS COURSE.	19	9	0	0	0		28	4.8	5	.47
Q12 Evaluate the ADMINISTRATION OF THIS COURSE.	23	5	0	0	0		28	4.9	5	.38
Q13 Evaluate the AVAILABILITY OF OUTSIDE HELP.	22	6	0	0	0		28	4.9	5	.41
Q14 Evaluate the UTILIZATION OF BACKGROUND PROVIDED BY PREREQUISITES.	17	9	2	0	0		28	4.7	5	.63
Q15 Evaluate the COURSE TEXT.	10	14	3	1	0		28	4.2	4	.76
Q16 Evaluate the SUPPLEMENTAL COURSE NOTES.	14	11	3	0	0		28	4.5	5	.67
Q17 Evaluate the HOMEWORK ASSIGNMENTS.	18	10	0	0	0		28	4.7	5	.48
Q18 Evaluate the EXAMS.	20	8	0	0	0		28	4.8	5	.45
Q19 Evaluate the QUIZZES.	14	6	7	0	0		27	4.5	5	.84
Q20 Evaluate the PROJECTS.	12	7	8	0	0		27	4.3	5	.85
Q21 Please evaluate the LAB EXPERIMENTS.	12	7	7	1	0		27	4.3	5	.92
Q22 Evaluate the CLARITY OF COURSE OUTCOMES.	17	10	1	0	0		28	4.7	5	.56
Q23 Evaluate the APPROPRIATENESS OF COURSE OUTCOMES.	16	10	1	0	0		27	4.7	5	.57

Responses: [E] Excellent=5 [G] Good=4 [F] Fair=3 [P] Poor=2 [VP] Very Poor=1

Q24 - Please make comments, positive or negative about the course.

Response Rate: 50.00% (**14** of **28**)

1	none
2	loved all of the demonstrations. very well done. also loved the ability to make up exam points. loved how there were no quizzes or projects. loved how notes were printed out for us, but did not like how some notes weren't printed out. if you print out some, why not all? the word problems especially should have been printed. the exams were too hard. some of the homeworks were hard too. loved the online videos and reflections though. also loved how quickly the exams were graded. homeworks were slow to be graded though.
3	Would like to spend less time on theory and concepts to spend more time on applications such as transmission lines and antennae.
4	This course is straightforward in its objectives. The course notes are generally good. However, we receive a lot of handouts, which in my opinion is not as helpful as actually taking the notes. Many times, I will receive a lot of handouts and not learn much from it. It might be a personal issue, but I find actually being required to write down concepts to be helpful in remembering and understanding them.
5	The course materials are very well used in other upper level classes so it is very helpful.
6	The course helps understand the basics of electricity and magnetism. All the concepts taught in the course are ABSOLUTELY ESSENTIAL to all electrical engineers. This course gives the capability of working on many types of electrical/electromagnetic devices that are available today.
7	Really not much to say. Just a great course implemented well.
8	One of the best courses I have taken.
9	NA
10	I think that the lab section should be allowed to be taken concurrently with 311. I feel like it would be beneficial to be working on the physical experiments while learning the concepts.
11	I have thoroughly enjoyed this course. It builds well off of previous electricity and magnetism courses I have taken. Overall, the course is well organized and exams do a great job of testing the material.
12	I don't really like this material, its really fundamental, not really useful as an application which is unfortunately typical of ECE courses
13	Course is very organized and grading is fair.
14	All videos and experiments are good material.

ECE Standard questions about instructor		Melloch, Michael R								
		Responses					Individual			
		E	G	F	P	VP	N	Grp Med	Mode	Std Dev
Q25	Evaluate the instructor's PREPARATION FOR LECTURE.	28	0	0	0	0	28	5.0	5	0
Q26	Evaluate the instructor's CLARITY OF PRESENTATION.	23	4	1	0	0	28	4.9	5	.49
Q27	Evaluate the instructor's GENERAL INSTRUCTIONAL TECHNIQUE.	24	3	1	0	0	28	4.9	5	.47
Q28	Evaluate the instructor's AVAILABILITY OUTSIDE OF CLASS.	24	4	0	0	0	28	4.9	5	.35
Q29	Evaluate the instructor's RAPPORT WITH STUDENTS.	28	0	0	0	0	28	5.0	5	0
Q30	Evaluate the instructor's EFFECTIVENESS IN ANSWERING QUESTIONS.	25	2	1	0	0	28	4.9	5	.44
Q31	Evaluate the instructor's EFFORT PUT FORTH IN TEACHING CLASS.	27	1	0	0	0	28	5.0	5	.19

Responses: [**E**] Excellent=5 [**G**] Good=4 [**F**] Fair=3 [**P**] Poor=2 [**VP**] Very Poor=1

	Q32 - Please make comments, positive or negative, about the instructor.
Faculty:	**Melloch, Michael R**
Response Rate:	85.71% (**24** of **28**)

1	loved all of the demonstrations. very well done. also loved the ability to make up exam points. loved how there were no quizzes or projects. loved how notes were printed out for us, but did not like how some notes weren't printed out. if you print out some, why not all? the word problems especially should have been printed. the exams were too hard. some of the homeworks were hard too. loved the online videos and reflections though. also loved how quickly the exams were graded. homeworks were slow to be graded though.
2	best 311 professor at Purdue. I wish everyone could take 311 with Professor Melloch
3	VERY HELPFUL
4	The instructor is extremely motivated to help the students learn all about electromagnetics as well as the history of electromagnetics. I looked forward to every single class with the professor. The professor also went through the effort of learning every single student's name and he made sure to take weekly input from every student in order to ensure their success in the class. The instructor has taught me how to be thorough with my understanding on the subjects taught.

One point that is worth noting is that at the beginning of the semester, the mathematics seems a little difficult due to unfamiliarity with using calculus on surfaces as well as volumes. It would be beneficial if the instructor would spend a couple of minutes evaluating integrals in a purely mathematical way and then show the shortcuts of integrating over symmetric surfaces. I personally struggled with gaining the intuition for the shortcuts as I wasn't confident about the purely mathematical way of going about doing the mathematics. This cleared right up once I had some classmates explain the methods to me. |
5	Thank you for being an incredible instructor, one that continually goes above and beyond to connect with us ECE students! It's so hard to find professors that seem to care about their students in ECE, and that shouldn't be. I loved your class this semester!
6	Professor Micheal is one of the four best professors for me. He is an amazing guy and makes learning very fun. He does not burden a lot with lengthy homeworks but rather focuses on the conceptual part, which is perfect as that is what really matters! Just amazing!!!!!!
7	Professor Melloch is an excellent educator and an honorable man. He has a clear desire to see his students succeed. He has a great understanding of course material and can present it in a way that allows all students to develop a strong understanding of course concepts. I have thoroughly enjoyed having him as a professor.
8	Professor is very honest in answering questions and has the enthusiasm in teaching, which makes the students concentrate during class.
9	Professor Melloch is one of the best professors I have had the pleasure of having at Purdue. He knows the material well, and teaches it in such a way that it will stick. I really enjoyed the experiments that he created to show the class, this did help solidify the concepts further with me.

Thank you Professor Melloch for the fun semester, I really did learn a lot and am glad I had the chance to have you for 311! :) |
10	Professor Melloch is always prepared and explains complex concepts in a way that is approachable for the student. He is very nice and willing to go the extra mile to clear up someone's confusion. Also, his demonstrations in class make the content much more interesting and understandable.
11	Professor Melloch is definitely the most engaging professor I have had at Purdue. He puts a lot of effort into the demonstrations he shows in class and cares a lot that the students understand the course material. It would be worth it to fail the class just to take it again with him. He is excellent.
12	Professor Melloch is a very nice professor, but I think he needs to focus more on the knowledge itself.
13	Professor Melloch is one of the best lecturers I've had, and one of my favorite instructors in general. His notes are clear and explain concepts well. Additionally, you can tell he really enjoys what he does and cares about his students. He encourages learning concepts instead of pure memorization. For exams, he allows students to make up one question by giving a presentation to him on the related topics. This ensures we learn from our mistakes while also rewarding us for doing so. I have really enjoyed being in his class this semester.
14	Prof Melloch is always extremely helpful in class as well as easily available outside of class. Easily approachable and knowledgeable on the subjects. One of my favorite professors at Purdue.
15	One of the most outstanding instructors. Really made an impact on my academic career.
16	One of my favorite professors I've had here at Purdue.
17	Melloch puts in an extraordinary amount of effort into making sure his student's understand concepts. He is always providing additional material, examples and demonstrations to help students comprehension
18	I honestly didn't like this course at all, the material is beyond boring, abstract and nothing to do with what I want to do. That said Prof Melloch has got to be one of if not these best professor I've had at purdue. It takes a great professor to hard, abstract, boring material learnable and I think Prof. Melloch really does that. I also he genuinely wants his students to succeed unlike other professors I've had where they brag about how hard their course is and how many people fail. Overall I really only fill out surveys for professors who are horrible, those who are beyond amazing, and those giving me extra credit to do so. But I get no extra-credit for filling this out and I just want to say that Mike Melloch is a God-tier professor.

19	He's one of the best professor in Purdue
20	He is one of the few professors that care about students "learning" the material instead of "spoonfeeding" random things that we are taught no idea of how the concepts relate to the real world. and that's the case with most ECE classes but not this one.
21	Definitely one of the most caring professors, and actually cares about his students and how they are performing.
22	Cares greatly about his students. Wonderful demonstrations in class. Great attitude and energy in the classroom.
23	By far the best professor that I have had.
24	AMAZING. Greatness like this class does not come without much focus, time, and dedication. Can't overstate the positives of Melloch. If anything, try posting some example problems so kids who can't keep up in class can look at them later. It would also be powerful to have a commented equation sheet that explains the uses of the equations.

ECE 311*		ECE31100 - 003								
		Responses						Course		
		IGA	IGA	IGS	IGA	IGN	N	Grp Med	Mode	Std Dev
Q33	As a result of your work in this class, what GAINS did you make in the SKILL of finding electric and potential fields from charge distributions including the presence of dielectric materials?	15	8	5	0	0	28	4.6	5	.77
Q34	As a result of your work in this class, what GAINS did you make in the SKILL of finding magnetic fields from current distributions including the presence of magnetic materials?	15	10	3	0	0	28	4.6	5	.68
Q35	As a result of your work in this class, what GAINS did you make in UNDERSTANDING and analyzing the generation of electric (magnetic) fields from time varying magnetic (electric) fields and to be able to mathematically describe electromagnetic wave propag	11	11	5	1	0	28	4.2	4,5	.83

Responses: [**IGA**] I gained a great deal=5 [**IGA**] I gained a lot=4 [**IGS**] I gained somewhat=3 [**IGA**] I gained a little=2 [**IGN**] I gained nothing at all=1