

ECE Standard Lecture Survey  
FA10 2010Purdue University  
West Lafayette

Course: ECE31100 002 - Elec &amp; Magnetic Fields

Department: ECE

Resp. Rec'd / Expected: 36 / 62

## ECE31100 - 002

Demographics	Responses						Course				
	[F]	[S]	[J]	[S]	[G]	[O]	Grp. Med.	Mode	S.D.	N	Mean
Q1 YOUR CLASS	0	0	18	18	0	0	3.5	3,4	.50	36	3.5

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

## ECE31100 - 002

Demographics	Responses											Course			
	[A]	[C]	[E]	[E]	[L]	[M]	[P]	[S]	[T]	[VM]	[U]	Grp. Med.	Mode	S.D.	Mean
Q2 YOUR SCHOOL	1	0	0	35	0	0	0	0	0	0	0	4	4	.49	36 3.9

Responses: [A] AG=1 [C] CFS=2 [E] ED=3 [E] ENGR=4 [L] LA=5 [M] MGMT=6 [P] PHARM/NURS/HLS=7 [S] SCI=8 [T] TECH=9 [VM] VET MED=10 [U] UNDECLARED=11

## ECE31100 - 002

Demographics	Responses								Course			
	[A]	[B]	[C]	[D]	[F]	[P]	[F]	Grp. Med.	Mode	S.D.	N	Mean
Q3 EXPECTED GRADE	17	10	5	2	0	2	0	6.4	7	1.31	36	6

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

## ECE31100 - 002

Demographics	Responses					Course					
	[RF]	[RB]	[E]	Grp. Med.	Mode	S.D.	N	Mean			
Q4 COURSE REQUIRED	35	0	1	1.5	1	.33	36	1.1			

Responses: [RF] Required for your major/minor=1 [RB] Required by school/University=2 [E] Elective=3

## ECE31100 - 002

University questions about your course	Responses					Course					
	[E]	[G]	[F]	[P]	[VP]	Grp. Med.	Mode	S.D.	N	Mean	
Q5 Overall, I would rate this course as:	20	13	3	0	0	4.6	5	.64	36	4.5	

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

## Melloch, Michael R

University questions about your instructor	Responses					Individual					
	[E]	[G]	[F]	[P]	[VP]	Grp. Med.	Mode	S.D.	N	Mean	
Q6 Overall, I would rate this instructor as:	26	9	1	0	0	4.8	5	.52	36	4.7	

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

## ECE31100 - 002

Responses Course

## ECE Standard questions about course

	[E]	[C]	[M]	[M]	[A]	[I]	[C]	[O]	Grp. Med.	Mode	S.D.	N	Mean
Q7 What is your MAJOR?	36	0	0	0	0	0	0	0	8	8	0	36	8

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

## ECE31100 - 002

## ECE Standard questions about course

	Responses					Course							
	[A]	[B]	[C]	[D]	[E]	Grp. Med.	Mode	S.D.	N	Mean			
Q8 What is your current GPA?	8	18	9	1	0	2.1	2	.76	36	2.1			

Responses: [A] 4 00-3 50=1 [B] 3 49-3 00=2 [C] 2 99-2 50=3 [D] 2 49-2 00=4 [E] 1 99-1 00=5

## ECE31100 - 002

## ECE Standard questions about course

	Responses						Course						
	[A]	[B]	[C]	[D]	[E]	[>]	Grp. Med.	Mode	S.D.	N	Mean		
Q9 What is the average number of out-of-class HOURS/WEEK you devote to the lecture portion of the class?	7	13	8	7	1	0	2.3	2	1.09	36	2.5		

Responses: [A] 1-2=1 [B] 3-4=2 [C] 5-6=3 [D] 7-9=4 [E] 10-12=5 [>] >12=6

## ECE31100 - 002

## ECE Standard questions about course

	Responses						Course						
	[E]	[G]	[F]	[P]	[VP]	Grp. Med.	Mode	S.D.	N	Mean			
Q10 Please evaluate the CONTENT OF THIS COURSE.	14	19	3	0	0	4.3	4	.62	36	4.3			
Q11 Evaluate the ORGANIZATION OF THIS COURSE.	17	18	1	0	0	4.4	4	.55	36	4.4			
Q12 Evaluate the ADMINISTRATION OF THIS COURSE.	18	17	1	0	0	4.5	5	.55	36	4.5			
Q13 Evaluate the AVAILABILITY OF OUTSIDE HELP.	22	13	1	0	0	4.7	5	.55	36	4.6			
Q14 Evaluate the UTILIZATION OF BACKGROUND PROVIDED BY PREREQUISITES.	18	13	2	1	1	4.5	5	.92	35	4.3			
Q15 Evaluate the COURSE TEXT.	12	17	6	0	0	4.2	4	.70	35	4.2			
Q16 Evaluate the SUPPLEMENTAL COURSE NOTES.	19	13	4	0	0	4.6	5	.68	36	4.4			
Q17 Evaluate the HOMEWORK ASSIGNMENTS.	13	18	3	2	0	4.2	4	.80	36	4.2			
Q18 Evaluate the EXAMS.	12	21	2	1	0	4.2	4	.67	36	4.2			
Q19 Evaluate the QUIZZES.	11	14	6	1	0	4.1	4	.80	32	4.1			
Q20 Evaluate the PROJECTS.	11	12	7	1	0	4.1	4	.84	31	4.1			
Q21 Please evaluate the LAB EXPERIMENTS.	12	12	9	0	0	4.1	4.5	.79	33	4.1			
Q22 Evaluate the CLARITY OF COURSE OUTCOMES.	15	16	3	1	1	4.3	4	.91	36	4.2			
Q23 Evaluate the APPROPRIATENESS OF COURSE OUTCOMES.	14	18	3	0	1	4.3	4	.82	36	4.2			

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: 25.00% (9 of 36)

- It would be additionally beneficial if the course notes were made available outside of class.
- We must have harder exams and homework.
- The notes passed out during class were not always available online, i do appreciate the number of practice test and the clarity of the test questions
- Even though I am doing well in the course, I feel that I would need to take it again to fully understand it.
- Perhaps recommend taking it with physics courses
- Good course but should be more practical/engineering oriented rather than more like a physics class

I am very disappointed in this course. I am required to take this course even when I have already learned the course content many times before. I had a physics AP C course in high school which taught me much of the E&M in this course. The only major difference was that we didn't look at the differential forms of Maxwell's equations.

I then took PHYS 272H which came even closer to covering the material taught in this course.

I feel like this course ought to use PHYS 272 as a prerequisite so that it can quickly review the basic Maxwell equations and then teach more advanced concepts. I was simply not challenged by this course. In fact, I was discouraged by its repetitive content.

I wish I would have taken this course when I was a Soph or Junior. The topics presented are some of the most interesting I have learned at my career at Purdue, and I am a little sad that I don't have time to take courses to further my knowledge on the topics (although I plan to self-study :)).

- It is also a little confusing as to why my other courses do not take into account, explicitly, the effects of electromagnetics in the course topics. This is especially because all that we do, utilize, understand is all from the basis of electromagnetics.

I hope that someday this course will be made to be even more promoted at the sophomore/early junior level.

Very good class.

- I enjoyed it very much.

Thank you.

		Melloch, Michael R									
ECE Standard questions about instructor		Responses					Individual				
		[E]	[G]	[F]	[P]	[VP]	Grp. Med.	Mode	S.D.	N	Mean
Q25	Evaluate the instructor's PREPARATION FOR LECTURE.	30	6	0	0	0	4.9	5	.37	36	4.8
Q26	Evaluate the instructor's CLARITY OF PRESENTATION.	25	9	2	0	0	4.8	5	.58	36	4.6
Q27	Evaluate the instructor's GENERAL INSTRUCTIONAL TECHNIQUE.	24	10	2	0	0	4.8	5	.59	36	4.6
Q28	Evaluate the instructor's AVAILABILITY OUTSIDE OF CLASS.	29	7	0	0	0	4.9	5	.40	36	4.8
Q29	Evaluate the instructor's RAPPORT WITH STUDENTS.	27	9	0	0	0	4.8	5	.43	36	4.8
Q30	Evaluate the instructor's EFFECTIVENESS IN ANSWERING QUESTIONS.	28	8	0	0	0	4.9	5	.42	36	4.8
Q31	Evaluate the instructor's EFFORT PUT FORTH IN TEACHING CLASS.	31	5	0	0	0	4.9	5	.35	36	4.9

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: 44.44% (16 of 36)

- Overall, a decent course. Class is normally pretty boring, but the professor is very nice, extremely willing to help, and cares about the students.
- The professor is great. He knows all the material thoughouly, and uses a teaching technique that makes it easy to understand. He would also do a little review before each class that would help students remember what was covered last time.
- I have really enjoyed having Professor Melloch as a Professor for this course! He has not made the easy material difficult and helped make the more difficult material, easy. Professor Melloch has always been forthcoming in helping out with material or homework when I have seeked help which has improved my experience with the course material.
- very patient and nice
- Explains difficult concepts well.
- Very prepared for lectures. Really felt like he cared whether or not I understood what was going on. Reviewed topics covered in previous lecture at beginning of lecture which helped reinforce concepts.
- Thank you for putting so much dedication into teaching the course and making sure we understand the material.
- Very helpful and available to students.
- Lectures were very math based and it was sometimes difficult to make connections to physical significance.
- One of the best professors. Always making himself available and extremely helpful. Cares a lot about his student.
- I loved the course and the applications (rail guns made the material make more sense!)
- Actually subject of this class is hard, but our instructor did everything for us to understand the subjects like in class demonstration, youtube videos. So, I think this type of interactive teaching technique works very well for this course.
- A wonderful instructor, always there to help, does his best to make sure everyone has a chance to do well in the class.
- Best ECE professor to date. Other profs in the department should learn from Prof. Melloch about how to teach a class and have a helpful and down to earth personality. Very approachable-the class TA was not needed as one could talk directly with the professor easily. Always eager and willing to help.
- This professor is an excellent example of how teachers should organize and run their courses. If there is anything that someone doesn't understand, he tries his best to answer the question in as many ways as possible until said person is clear on the topic.
- As one of the nicest professors I have met at Purdue, he tries to get to know each and every one of his students as well as attempts to network together the students in his class with lunches.

The only negative thing is that he doesn't teach more courses. I believe that Professor Melloch is one of the best professors, and I would like as many students as possible to be able to learn something from him.

Very good class.

- I enjoyed it very much.

Thank you.

- One of the best professors I've had. Clearly cares about the students.