

ECE Standard LEC Survey
FA12 2012Purdue University
West Lafayette

Course: ECE31100 002 - Elec & Magnetic Fields

Department: ECE

Resp. Rec'd / Expected: 33 / 58

Focus: Overall Results

ECE31100 - 002

1a - Demographics

Responses

Course

	[F]	[S]	[J]	[S]	[G]	[O]	Grp. Med.	Mode	S.D.	N	Mean
Q1 YOUR CLASS	0	0	12	21	0	0	3.7	4	.48	33	3.6

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

ECE31100 - 002

1a - Demographics

Responses

Course

	[A]	[B]	[C]	[D]	[F]	[P]	[F]	Grp. Med.	Mode	S.D.	N	Mean
Q2 EXPECTED GRADE	21	8	4	0	0	0	0	6.7	7	.70	33	6.5

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

ECE31100 - 002

1a - Demographics

Responses

Course

	[RF]	[RB]	[E]	Grp. Med.	Mode	S.D.	N	Mean
Q3 COURSE REQUIRED	29	0	4	1.6	1	.65	33	1.2

Responses:

[RF] Required for your major/minor=1

[RB] Required by school/University=2

[E] Elective=3

ECE31100 - 002

1a - Demographics

Responses

Course

	[A]	[E]	[E]	[H]	[L]	[M]	[P]	[S]	[T]	[VM]	[U]	Grp. Med.	Mode	S.D.	N	Mean
Q4 YOUR SCHOOL	0	0	33	0	0	0	0	0	0	0	0	9	9	0	33	9

Responses:

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

ECE31100 - 002

2a - 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:	22	11	0	0	0	4.8	5	.47	33	4.7

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

ECE31100 - 002

ECE Standard questions about course

Responses

Course

	[E]	[C]	[M]	[M]	[A]	[I]	[C]	[O]	Grp. Med.	Mode	S.D.	N	Mean
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Q6 What is your MAJOR? 28 0 0 0 0 0 0 3 7.9 8 2.07 31 7.3

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
Q7 What is your current GPA?	14	8	9	1	0	1.8	1	.91	32	1.9

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
Q8 What is the average number of out-of-class HOURS/WEEK you devote to the lecture portion of the class?	3	15	10	4	0	0	2.4	2	.83	32 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
Q9 Please evaluate the CONTENT OF THIS COURSE.	18	14	0	0	0	4.6	5	.50	32	4.6
Q10 Evaluate the ORGANIZATION OF THIS COURSE.	24	6	2	0	0	4.8	5	.58	32	4.7
Q11 Evaluate the ADMINISTRATION OF THIS COURSE.	25	6	0	0	0	4.9	5	.40	31	4.8
Q12 Evaluate the AVAILABILITY OF OUTSIDE HELP.	22	9	1	0	0	4.8	5	.54	32	4.7
Q13 Evaluate the UTILIZATION OF BACKGROUND PROVIDED BY PREREQUISITES.	17	11	4	0	0	4.6	5	.70	32	4.4
Q14 Evaluate the COURSE TEXT.	11	16	5	0	0	4.2	4	.68	32	4.2
Q15 Evaluate the SUPPLEMENTAL COURSE NOTES.	18	10	3	0	1	4.6	5	.89	32	4.4
Q16 Evaluate the HOMEWORK ASSIGNMENTS.	17	14	0	0	0	4.6	5	.50	31	4.5
Q17 Evaluate the EXAMS.	19	12	1	0	0	4.7	5	.56	32	4.6
Q18 Evaluate the QUIZZES.	13	8	6	0	0	4.4	5	.80	27	4.3
Q19 Evaluate the PROJECTS.	13	8	7	0	0	4.4	5	.82	28	4.2
Q20 Please evaluate the LAB EXPERIMENTS.	15	7	5	0	0	4.6	5	.78	27	4.4
Q21 Evaluate the CLARITY OF COURSE OUTCOMES.	16	15	1	0	0	4.5	5	.56	32	4.5
Q22 Evaluate the APPROPRIATENESS OF COURSE OUTCOMES.	16	15	1	0	0	4.5	5	.56	32	4.5

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

Q23 - Please make comments, positive or negative about the course.

Response Rate: 33.33% (11 of 33)

- The material is difficult, but the supplemental text was an excellent resource for homework help or understanding certain concepts. I felt that the textbook was not as helpful either because the professor or Shaum's explained the material sufficiently.
- Great course, very well set up.
- The concepts can be difficult but Professor Melloch makes it manageable and understandable.
- This course offers a more depth to electromagnetic field than phys272. For any field dealing with motors/semiconductors, I think this is an interesting course.
- The lecture material is presented in a way that is very easy to understand. The mass of demonstrations and tutorial videos online are extremely helpful.

The course is fairly interesting, but for someone like me, who's interested more in CNSIP area, it does not seem to be reasonable to include it

- into EE core requirements. HOWEVER, I would get a much better grade in ECE 321 if I took 311 before it. So I believe 311 should be a pre- or at least co-requisite for 321.
- The course is very interesting. The material should be introduced to us ahead of time.
- Excellent!
- This course provides a good overview of electromagnetics.
- This is an excellent course!
- For people interested in power electronics, the transmission lines would be more useful.

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Course: ECE31100 002 - Elec & Magnetic Fields

Department: ECE

Responses: 33

Melloch, Michael R

2b - University questions about your instructor

	Responses					Individual				
	[E]	[G]	[F]	[P]	[VP]	Grp. Med.	Mode	S.D.	N	Mean
Q1 Overall, I would rate this instructor as:	29	4	0	0	0	4.9	5	.33	33	4.9

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

Melloch, Michael R

ECE Standard questions about instructor

	Responses					Individual				
	[E]	[G]	[F]	[P]	[VP]	Grp. Med.	Mode	S.D.	N	Mean
Q2 Evaluate the instructor's PREPARATION FOR LECTURE.	30	2	0	0	0	5	5	.24	32	4.9
Q3 Evaluate the instructor's CLARITY OF PRESENTATION.	27	5	0	0	0	4.9	5	.36	32	4.8
Q4 Evaluate the instructor's GENERAL INSTRUCTIONAL TECHNIQUE.	27	5	0	0	0	4.9	5	.36	32	4.8
Q5 Evaluate the instructor's AVAILABILITY OUTSIDE OF CLASS.	28	3	0	0	0	4.9	5	.30	31	4.9
Q6 Evaluate the instructor's RAPPORT WITH STUDENTS.	29	3	0	0	0	4.9	5	.29	32	4.9
Q7 Evaluate the instructor's EFFECTIVENESS IN ANSWERING QUESTIONS.	27	5	0	0	0	4.9	5	.36	32	4.8
Q8 Evaluate the instructor's EFFORT PUT FORTH IN TEACHING CLASS.	30	2	0	0	0	5	5	.24	32	4.9

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

Q9 - Please make comments, positive or negative, about the instructor.

Faculty: Melloch, Michael R

Response Rate: 60.61% (20 of 33)

I love that Professor Melloch puts effort into getting to know the students' names, which makes him very approachable when I have to come in for office hours.

I enjoyed getting exams back by the next class period. The attendance and test-make up policy is very well implemented and helped me learn the material better.

- Class time is well structured to maximize learning in the classroom. The class begins with a review of previous material, then new material with in-class experiments while incorporating interesting "fun facts," such as a brief story behind Tesla vs. Edison or various Youtube videos. I thoroughly enjoyed the in-class experiments, as well as the videos uploaded to Blackboard. Professor Melloch does a good job of switching between the overhead projector and hanging projector, which gives the students plenty of time to write down material. There is plenty of time to go through the material and ask questions.

Overall best teacher I've ever had at Purdue and I wish every teacher, especially in ECE, aspired to teach like Professor Melloch.

- One of the best professors I have had at Purdue. Cares that students actually learn the material and does his best to teach it using a bunch of different methods.
- One of the best professors in the ECE department. Is very approachable and is willing to help on any questions you may have. Has a good amount of office available between himself and the T.A.

- Always tries hard to answer any question students may have. Is willing to show all steps when working toward a solution when many professors would get to a certain point and say, "Well, you can figure it out on your own from there and you'll find..." This helped me to understand some of the concepts in the class better.

- Prof. Melloch is one of the best professors I've had at Purdue. I had been previously exposed to some of this material in Physics 241, but I never fully grasped the concepts. Prof. Melloch was able to make all of the material clear and incite curiosity in myself. I now have a new appreciation for electromagnetics and it is all because of him.

- I like your interaction with students and the effort you put into getting to know them.

Prof Melloch is by far the best professor I have ever met in Purdue. He put thoughts and care into teaching and students. He tried to have a

- connection with every student from day 1. The Lunch meeting is very relaxing and casual to have some conversations besides the class, about life and career.

- Recommendation to admin: encourage other ECE prof to attend prof Melloch's lecture, then they will know how much they could improve, some profs are just researchers. If they can't teach/don't want to teach, they might as well stay in the lab.

- Really dedicated to the class. One of the best professors at Purdue.

- Professor Mellouch is one of my favorite professors. He makes an effort to learn everyone's names and teach his students in a way that is entertaining and understandable.

- Best instructor I have ever had. Nicest person, responsible person, always willing to help, cares about his students, does everything to make the class be interesting for students.

- Melloch is the best. Very intelligent. I really enjoyed being his student and look to taking his class in the future.

- Often, I'm unsure of what exactly we're supposed to be learning (ie a general subject). The lack of course notes make things difficult. The alternative (vidoes posted online), while indeed helpful, are time consuming and not as convenient as hard copy notes. The two together would be excellent.

- Very nice professor in all ways. I really like the experiments he conducted in the lecture. I hope in the future I can have another course taught by him.

- Great Guy. Good teaching style. Fair grading. Wants students to learn concepts more than beat problems in their heads.

- Best professor I have had, Instructor allows students to correct exam mistakes by allowing them to explain concepts they erred in on the test. Most fair way of evaluating students ability to learn and interest in the course.Keep up the good work Dr Melloch.

- By far demonstrates more interest in helping students learn than any other professional educator I've met at Purdue or other universities.

- Excellent!

- Professor Melloch is the best teacher I have had in my time at Purdue, which is saying something since I am a senior and have had a lot of professors. He genuinely cares about his students and is concerned that they learn and understand the material. For me at least, he stands far above any professor I have ever had in terms of teaching ability. He should be nominated for a national teaching award.

- You are the best instructor that I have ever seen! We all love you so much! If you still have any research program, I must follow your lead.

- Fantastic professor who puts in so much effort to teach the class. Makes sure everyone understands the concepts. Keeps the class interesting with n class experiments.