ECE Standard LEC Survey FA13 2013

Purdue University West Lafayette

Course: ECE31100 001 - Elec & Magnetic Fields Department: ECE

Responses / Expected: 32 / 61

FC	E3	11	.00	- 1	nr	11
EL	E3		.uu		.,	,,

1a - Demographics			Resp	Responses						Course					
	[F]	[S]	[3]	[S]	[G]	[O]	Grp. Med.	Mode	S.D.	N	Mean				
Q1 YOUR CLASS	0	1	12	19	0	0	3.7	4	.56	32	3.6				

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

ECE31100 - 001

1a - Demographics	Responses							Course							
	[A]	[B]	[C]	[D]	[F]	[P]	[F]	Grp. Med.	Mode	S.D.	N	Mean			
Q2 EXPECTED GRADE	21	9	1	1	0	0	0	6.7	7	.70	32	6.6			

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

ECE31100 - 001

1a - Demographics	R	esponses		Course							
	[RF]	[RB]	[E]	Grp. Med.	Mode	S.D.	N	Mean			
Q3 COURSE REQUIRED	31	0	1	1.5	1	.35	32	1.1			

Responses:

[RF] Required for your major/minor=1 [RB] Required by school/University=2

[E] Elective=3

ECE31100 - 001

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	32	0	0	0	0	0	0	0	0	9	9	0	32	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 - 001

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	9	1	0	0	4.8	5	.54	32	4.7				

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

Melloch, Michael R

2b - University questions about your instructor Responses Individual

Grp.

Mode S.D. [E] [G] [P] [VP] Med. Mean Q6 Overall, I would rate this instructor as: 4.9 5 26 6 0 0 .39 32 4.8

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

ECE31100 - 001

ECE Standard questions about course Responses Course Grp. [E] [C] [M] [M] [A] [I] [C] **[O]** Mode S.D. N Mean Med. 7.9 Q7 What is your MAJOR? 26 0 6 8 2.73 0 0 0 0 32 6.7

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 - 001

ECE Standard questions about course Responses Course Grp. [A] [D] S.D. [B] [**C**] [E] Mode Ν Mean Med. Q8 What is your current GPA? 10 12 0 2 2 .95 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 - 001

ECE Standard questions about course

[A] [B] [C] [D] [E] [>] Grp. Mode S.D. N Mean

[A] What is the average number of out-of-class HOURS/WEEK you devote to the lecture portion of the class?

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

ECE31100 - 001

ECE Standard questions about course		Re	espo	nses			Course					
	[E]	[G]	[F]	[P]	[VP]	Grp. Med.	Mode	S.D.	N	Mean		
Q10 Please evaluate the CONTENT OF THIS COURSE.	23	8	1	0	0	4.8	5	.53	32	4.7		
Q11 Evaluate the ORGANIZATION OF THIS COURSE.	24	7	1	0	0	4.8	5	.51	32	4.7		
Q12 Evaluate the ADMINISTRATION OF THIS COURSE.	24	7	1	0	0	4.8	5	.51	32	4.7		
Q13 Evaluate the AVAILABILITY OF OUTSIDE HELP.	29	3	0	0	0	4.9	5	.29	32	4.9		
Q14 Evaluate the UTILIZATION OF BACKGROUND PROVIDED BY PREREQUISITES.	24	6	2	0	0	4.8	5	.58	32	4.7		
Q15 Evaluate the COURSE TEXT.	12	13	6	1	0	4.2	4	.82	32	4.1		
Q16 Evaluate the SUPPLEMENTAL COURSE NOTES.	24	5	3	0	0	4.8	5	.64	32	4.7		
Q17 Evaluate the HOMEWORK ASSIGNMENTS.	20	11	0	1	0	4.7	5	.66	32	4.6		
Q18 Evaluate the EXAMS.	24	8	0	0	0	4.8	5	.43	32	4.8		
Q19 Evaluate the QUIZZES.	19	5	8	0	0	4.7	5	.85	32	4.3		
Q20 Evaluate the PROJECTS.	16	7	8	0	0	4.5	5	.84	31	4.3		
Q21 Please evaluate the LAB EXPERIMENTS.	17	7	7	1	0	4.6	5	.90	32	4.3		
Q22 Evaluate the CLARITY OF COURSE OUTCOMES.	21	9	2	0	0	4.7	5	.61	32	4.6		
Q23 Evaluate the APPROPRIATENESS OF COURSE OUTCOMES.	21	9	2	0	0	4.7	5	.61	32	4.6		

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: 46.88% (15 of 32)

Survey Report 12/18/13 8:13 AM

- It seems like the course should have a lab it would make the material more intuitive.
- The way that Melloch teaches the course makes it an easy and very useful course!
- I found this course to be extremely interesting. It has given me a good knowledge of the physical basics of Electrical Engineering.
- Course focused on concepts which I found interesting.
- The course information was useful and helpful especially in senior design. However, Prof. Melloch is the person who made this class a pleasure.
- Professor Melloch is an extremely good professor. He works hard to ensure that all of his students are understanding the material. I like that he
- also allows students to come in to make up exam questions because that allows them to really work on a concept taught in the class that they
 did not understand prior to taking the exam.
- Good flow to the course, applicable homework assignments, exams that are easy to do if one knows the course materials.
- This course could concentrate more on magnetic part.
- The Best professor I've ever had in Purdue.
- Course is set up very well and extremely organized. Professor Melloch posts a lot of notes/videos on Blackboard which is very helpful.
- This class is not enjoyable for those who dislike physics(myself included). However, Prof. Melloch's exam policy is very forgiving. For that I am thankful for.
- This course has been one of the best organized and presented in my college career, on equal footing with ECE 270. The textbook, homework, notes, and videos are all very helpful when understanding this material and present the right amount of information at the right difficulty.
- The course is very well structure. It is always clear on what to expect on exams. The homework is fair and very helpful for learning the material.
- This course was organized and taught pretty well. I believe I would have done well if it were a standalone course, but I had trouble balancing it with my other courses and early on did not spend as much time outside of class as I would have liked. Later this course was difficult to catch up on. The organization, course outcomes, and policies were very reasonable. A lab section, for example with visualizations in vPython, or at least computer assignments would definitely have helped. I find it difficult not to learn anything from a lab session.
- Course was great! Lots of info involved, but instructor did great in explaining the concepts.

	Melloch, Michael R												
ECE Standard questions about instructor		Re	spoi	nses		Individual							
	[E]	[G]	[F]	[P]	[VP]	Grp. Med.	Mode	S.D.	N	Mean			
Q25 Evaluate the instructor's PREPARATION FOR LECTURE.	30	2	0	0	0	5	5	.24	32	4.9			
Q26 Evaluate the instructor's CLARITY OF PRESENTATION.	28	4	0	0	0	4.9	5	.33	32	4.9			
Q27 Evaluate the instructor's GENERAL INSTRUCTIONAL TECHNIQUE.	28	3	1	0	0	4.9	5	.44	32	4.8			
Q28 Evaluate the instructor's AVAILABILITY OUTSIDE OF CLASS.	30	2	0	0	0	5	5	.24	32	4.9			
Q29 Evaluate the instructor's RAPPORT WITH STUDENTS.	30	2	0	0	0	5	5	.24	32	4.9			
Q30 Evaluate the instructor's EFFECTIVENESS IN ANSWERING QUESTIONS.	29	2	1	0	0	4.9	5	.41	32	4.9			
Q31 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

Q32 - Please make comments, positive or negative, about the instructor.

Faculty: Melloch, Michael R
Response Rate: 62.50% (20 of 32)

- Professor Melloch is the professor ECE needs, but not the professor ECE deserves.
- Professor Melloch is awesome. That's it. He is awesome. Image a lecture with detailed illustrations of concepts, cool experiments, and sometimes a clip of history flashback... with Professor Melloch's lecture, you will have all of these. If I were a professor, I would teach like him.
- PROFESSOR MELLOCH IS AWESOME!!! The way he teaches, and how he tries to help his students learn from both himself and their own mistakes makes him an amazing professor!
- Professor Melloch is easily the best EE professor I have had, and one of the best overall professors I've had.
- Good professor and easy to talk to outside of class. Very helpful when answering questions.

12/18/13 8:13 AM

- Please organize notes with outlines, i.e. label examples. Professor Melloch is an AMAZING professor! He cares so much about his students more than from a pupil standpoint, but from being people, which for some reason, a lot of professors forget we students like to talk to professors about non-school stuff as well. Prof. Melloch makes an intentional effort to know those that he teaches which motivates us to care about what he has to say, because he cares about us. Not only did he make good relationships outside of class, he built strong academic bonds as well. I especially liked the set-up of his class. The concept of
- making homework extra credit, but extremely hard was a foreign concept that I didn't like at first, but realized its value after the first exam. It gave me the confidence that I needed for the exams because I already knew that I could do harder problems than would be on the final exam. This gave him the chance to use the exams as an ACTUAL tool to find out how much we knew about the material instead of most other exams which seem to be some tool the professors use to show students what they haven't learned in the class. I think Professor Melloch's class model is one that should be taken on by other professors and is the most conducive to a learning environment.
- Excellent availability, willing to help, and good extra credit opportunities
- The instructor is always well-prepared for this course, for example, there are video demonstration on course topics as well as experimental demonstration during class. This provides an easier way to understand course materials. The extra credit opportunity is really helpful for learning the concepts, which were confusing during exams.
- Amazing professor! Takes the time to get to know the students outside of class and bring students in his class together. Teaches very clear and always is thorough in answering questions. Give Professor Melloch a raise!
 - Professor Melloch is the best professor I've had in Purdue. He devotes his time to make students learn and understand more.
- He tries his best to make all the students do good in this class and I always felt how passionate and how much he actually cares about his students learning.
- Professor is possibly the best professor I have ever had at Purdue. There's too many good things about his teaching style to list here so I'll refrain. My one piece of advice would be for Professor Melloch's lectures. Sometimes the lectures seem all strung together and there are no specific stopping points. Learning a lot of new materials. A strict outline and better section headings for Prof. Melloch's in-class notes would be very helpful. Overall, amazing teacher.
- I wish all professors had the same exam structure as Prof. Melloch uses. This guy gives 100% effort to help students who want to understand the material.
- Prof. Melloch reminds me of the professors in ECE who research education with the level of preparation, style of delivery, and ease of answering questions he brings to the lecture. He deserves all the praise that he receives for teaching a course he clearly enjoys. Even his TA, Jack Williams, shared his enthusiasm. This course would be immensely difficult to improve upon.

- AND if anybody else who reads this has not taken this class, you MUST take it with this professor.
- Oh and if your major doesnt require this class, I very strongly suggest you switch majors immediately. You can switch back to whatever you were in before after taking this class and may be 305 with him.
- He's always concerns about all of his students' performance. =)
- I was extremely pleased with Professor Melloch. His numerous demonstrations make lectures very interesting. I was impressed of the effort he put into getting to know all his students. Having lunch with every student in the class was unique and very much appreciated. His teaching style is very effective in my opinion and he is one of the best professors I've had at Purdue.
- The explanations are very clear and helpful. The experiment demos in class are very helpful in understanding the concepts and implementation.
 - Professor Melloch is one of the Professors who definitely cares about teaching. He is very reasonable and tries to help outside of class as much as possible. I can't say the lecture style totally worked with my learning style, but I can't quite put my finger on why not. I should have been able to do well anyways. The main problem was not this course but balancing it with my other courses. Professor Melloch himself is a good
- teacher. I particularly liked the utilization of blackboard for helpful review videos and other content from class. If there was anything I could change about the course, I would say it would be nice if lectures were a bit more interactive/involving, though I'm not sure there would be enough time for this. Review sessions before all of the midterms would be nice, but not necessary given Professor Melloch's availability outside of class.
- Instructor is great to get along with. He is very helpful and knows the topic very well. He is always available for help.