

ECE Standard LEC Survey  
FA13 2013Purdue University  
West Lafayette

Course: ECE31100 001 - Elec &amp; Magnetic Fields

Department: ECE

Responses / Expected: 32 / 61

## ECE31100 - 001

## 1a - Demographics

	Responses						Course				
	[F]	[S]	[J]	[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

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

1a - Demographics		Responses				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

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.	

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

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

## ECE31100 - 001

## ECE Standard questions about course

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

ECE Standard questions about course	Responses					Grp. Med.	Course			
	[A]	[B]	[C]	[D]	[E]		Mode	S.D.	N	Mean
Q8 What is your current GPA?	10	12	7	3	0	2	2	.95	32	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

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?	0	17	11	3	0	0	2.4	2	.66	31	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 - 001

## ECE Standard questions about course

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

**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)**

- 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		Responses					Individual				
		[E]	[G]	[F]	[P]	[VP]	Grp. Med.	Mode	S.D.	N	Mean
<b>Q25</b>	Evaluate the instructor's PREPARATION FOR LECTURE.	30	2	0	0	0	<b>5</b>	5	.24	<b>32</b>	<b>4.9</b>
<b>Q26</b>	Evaluate the instructor's CLARITY OF PRESENTATION.	28	4	0	0	0	<b>4.9</b>	5	.33	<b>32</b>	<b>4.9</b>
<b>Q27</b>	Evaluate the instructor's GENERAL INSTRUCTIONAL TECHNIQUE.	28	3	1	0	0	<b>4.9</b>	5	.44	<b>32</b>	<b>4.8</b>
<b>Q28</b>	Evaluate the instructor's AVAILABILITY OUTSIDE OF CLASS.	30	2	0	0	0	<b>5</b>	5	.24	<b>32</b>	<b>4.9</b>
<b>Q29</b>	Evaluate the instructor's RAPPORT WITH STUDENTS.	30	2	0	0	0	<b>5</b>	5	.24	<b>32</b>	<b>4.9</b>
<b>Q30</b>	Evaluate the instructor's EFFECTIVENESS IN ANSWERING QUESTIONS.	29	2	1	0	0	<b>4.9</b>	5	.41	<b>32</b>	<b>4.9</b>
<b>Q31</b>	Evaluate the instructor's EFFORT PUT FORTH IN TEACHING CLASS.	30	2	0	0	0	<b>5</b>	5	.24	<b>32</b>	<b>4.9</b>

**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. Imagine 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.

- Instructor is great to get along with. He is very helpful and knows the topic very well. He is always available for help.