

**ECE Standard LEC Survey  
FA14 (2014)**
**Purdue University  
West Lafayette**
**Course:** ECE31100 001 - Elec & Magnetic Fields

**Department:** ECE

**Responses / Expected:** 16 / 44

**ECE31100 - 001**
**1a - Demographics**

	Responses							Course		
	F	S	JR	SR	G	O	N	Grp Med	Mode	Std Dev
<b>Q1</b> YOUR CLASS	0	0	9	7	0	0	16	3.4	3	.50
<b>Responses:</b> [F] Fresh=1 [S] Soph=2 [JR] Jr=3 [SR] Sr=4 [G] Grad=5 [O] Other=6										

**ECE31100 - 001**
**1a - Demographics**

1a - Demographics		Responses							Course				
		A	B	C	D	F	P	F	N	Grp Med	Mode	Std Dev	
Q2	EXPECTED GRADE	14	1	1	0	0	0	0	16	6.9	7	.53	
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**

	Responses				Course		
	RFY	RBS	E	N	Grp Med	Mode	Std Dev
<b>Q3</b> COURSE REQUIRED	14	0	2	16	1.6	1	.66
<b>Responses:</b> [RFY] Required for your major/minor=1 [RBS] Required by school/University=2 [E] Elective=3							

**ECE31100 - 001**
**1a - Demographics**

	Responses												Course		
	AG	ED	E	HHS	LA	M	P	SCI	T	VM	U	N	Grp Med	Mode	Std Dev
<b>Q4</b> YOUR SCHOOL	0	0	16	0	0	0	0	0	0	0	0	16	9.0	9	0
<b>Responses:</b> [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															

**ECE31100 - 001**
**2a - University questions about your course**

	Responses						Course		
	E	G	F	P	VP	N	Grp Med	Mode	Std Dev

**Q5** Overall, I would rate this course as: 14 1 1 0 0 **16** **4.9** 5 .53

**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		
	E	G	F	P	VP	N	Grp Med	Mode	Std Dev
<b>Q6</b> Overall, I would rate this instructor as:	15	1	0	0	0	16	5.0	5	.24

**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		
	EE	C	ME	MSE	AAE	IE	CS	O	N	Grp Med	Mode	Std Dev
<b>Q7</b> What is your MAJOR?	13	0	0	0	0	0	0	2	15	7.9	8	2.38

**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

ECE31100 - 001

**ECE Standard questions about course**

	Responses						Course		
	4	3	2	2	1	N	Grp Med	Mode	Std Dev
<b>Q8</b> What is your current GPA?	8	5	1	1	0	15	1.4	1	.87

**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

ECE31100 - 001

**ECE Standard questions about course**

	Responses							Course		
	1-2	3-4	5-6	7-9	1	>12	N	Grp Med	Mode	Std Dev
<b>Q9</b> What is the average number of out-of-class HOURS/WEEK you devote to the lecture portion of the class?	5	6	2	1	1	0	15	1.9	2	1.15

**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

ECE31100 - 001

**ECE Standard questions about course**

	Responses						Course		
	E	G	F	P	VP	N	Grp Med	Mode	Std Dev
<b>Q10</b> Please evaluate the CONTENT OF THIS COURSE.	13	1	0	1	0	15	4.9	5	.77
<b>Q11</b> Evaluate the ORGANIZATION OF THIS COURSE.	11	3	1	0	0	15	4.8	5	.60
<b>Q12</b> Evaluate the ADMINISTRATION OF THIS COURSE.	12	2	1	0	0	15	4.9	5	.57
<b>Q13</b> Evaluate the AVAILABILITY OF OUTSIDE HELP.	11	3	0	0	0	14	4.9	5	.41

<b>Q14</b> Evaluate the UTILIZATION OF BACKGROUND PROVIDED BY PREREQUISITES.	8	3	3	0	0	<b>14</b>	<b>4.6</b>	5	.81
<b>Q15</b> Evaluate the COURSE TEXT.	8	3	3	1	0	<b>15</b>	<b>4.6</b>	5	.98
<b>Q16</b> Evaluate the SUPPLEMENTAL COURSE NOTES.	10	2	2	0	1	<b>15</b>	<b>4.8</b>	5	1.14
<b>Q17</b> Evaluate the HOMEWORK ASSIGNMENTS.	9	5	1	0	0	<b>15</b>	<b>4.7</b>	5	.62
<b>Q18</b> Evaluate the EXAMS.	11	3	1	0	0	<b>15</b>	<b>4.8</b>	5	.60
<b>Q19</b> Evaluate the QUIZZES.	8	3	4	0	0	<b>15</b>	<b>4.6</b>	5	.85
<b>Q20</b> Evaluate the PROJECTS.	7	3	4	0	0	<b>14</b>	<b>4.5</b>	5	.86
<b>Q21</b> Please evaluate the LAB EXPERIMENTS.	8	3	4	0	0	<b>15</b>	<b>4.6</b>	5	.85
<b>Q22</b> Evaluate the CLARITY OF COURSE OUTCOMES.	11	2	2	0	0	<b>15</b>	<b>4.8</b>	5	.71
<b>Q23</b> Evaluate the APPROPRIATENESS OF COURSE OUTCOMES.	12	1	1	1	0	<b>15</b>	<b>4.9</b>	5	.88

**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: 62.50% (10 of 16)**

- This class is taught very well, and if anything needs to go a little faster. It feels redundant with PHYS 241 or 272.
- I have really enjoyed the course. Melloch uses good physical demonstrations to reinforce material taught in lecture.
- Great course because the instructor is one of the best I have ever had.
- Prof. Melloch is awesome, this course helped me understand what I want to do in signals hardware more thoroughly.  
i would prefer if instead of teaching the ECE students PHYS270 then ECE 311 (Which cover both static and non static cases of electric and magnetic fields) is to have ECE 311 as the course for electrostatic cases that goes in depth in the topic of electrostatics, and a following course that will cover the electrodynamic case. The reason I am suggesting this is that PHYS270 almost teaches the same thing as ECC311 , but it is real specific cases of whatever we learned in ECE311. I would like to get really deep into this material since I really enjoy it.
- Very good course to take.
- Very understandable course.
- The class did not finish covering the final section of the material, which is unfortunate because that is the section that subsequent classed build upon

- Overall, the class notes were at times disorganized and also led to being uninvolved with the course, since there were
- few things covered that were not in the class notes. A better solution may have been to provide general ideas in the notes handed out then the students should be able to add detail to the notes to improve their own understanding.

- Best teacher I have ever had in ECE. Makes great use of demonstrations in class, ties things to the real world. Actually
- cares about his students and cares if they learn or not. Good balance of videos, demos, handouts, and just lecture notes. Lots of availability for office hours, provides adequate exam prep.

<b>Melloch, Michael R</b>									
<b>ECE Standard questions about instructor</b>							<b>Responses</b>		
							<b>Individual</b>		
							<b>E</b>	<b>G</b>	<b>Std Dev</b>
							<b>F</b>	<b>P</b>	<b>Mode</b>
							<b>VP</b>	<b>N</b>	
							<b>Grp Med</b>		
<b>Q25</b> Evaluate the instructor's PREPARATION FOR LECTURE.	15	0	0	0	0	<b>15</b>	<b>5.0</b>	5	0
<b>Q26</b> Evaluate the instructor's CLARITY OF PRESENTATION.	15	0	0	0	0	<b>15</b>	<b>5.0</b>	5	0

<b>Q27</b> Evaluate the instructor's GENERAL INSTRUCTIONAL TECHNIQUE.	13	2	0	0	0	<b>15</b>	<b>4.9</b>	5	.34
<b>Q28</b> Evaluate the instructor's AVAILABILITY OUTSIDE OF CLASS.	14	1	0	0	0	<b>15</b>	<b>5.0</b>	5	.25
<b>Q29</b> Evaluate the instructor's RAPPORT WITH STUDENTS.	14	1	0	0	0	<b>15</b>	<b>5.0</b>	5	.25
<b>Q30</b> Evaluate the instructor's EFFECTIVENESS IN ANSWERING QUESTIONS.	13	2	0	0	0	<b>15</b>	<b>4.9</b>	5	.34
<b>Q31</b> Evaluate the instructor's EFFORT PUT FORTH IN TEACHING CLASS.	15	0	0	0	0	<b>15</b>	<b>5.0</b>	5	0

**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% (10 of 16)**

- Great job professor continue the good work. Really cares about his students understanding the material
- One of the best instructors I have ever had. He truly cares about the students.
- He is the best professor I have ever had. :)

Prof. Melloch is an indubitably good speaker. He prepares everything for the students beforehand and never misses a beat. I can easily follow his presentation of the material. For having to be up at 7am, he is extremely cheery! I love his enthusiasm and dedication to the material, as well as his alternate take from the book's. His mini history lessons are my favorite!

- Professor Melloch is one of the best professors I have ever had in college. I kept the class interesting with some side topics that gets the students really motivated. Plus, the demonstrations that professor Melloch did in class helped to strengthen and make the point clearer. He welcomed questions with an open heart, and he was one of the few professors who really care about their students and want to get to know them. He succeeded in keeping the students
- attracted to the subject with his friendly attitude, interesting discussions, and awesome experiments. I am really looking forward to having another future course that will be taught by Professor Melloch in the future.

Thank you very much Professor Melloch.

- He is the most well prepared professors who has taught me off date.
- Best professor I've ever been taught by.
- no comment

Professor Melloch does a fantastic job teaching and it is readily apparent that he cares about the success of his students. The demonstrations he does are also very well thought out and help thoroughly show exactly what the class concepts do, rather than only talk about it. The only drawback this semester was that not all of the course content was covered. It would have been nice to have moved more quickly through the beginning of the class in order to provide more room at the end for the more in depth topics.

- Best teacher I have ever had in ECE. Makes great use of demonstrations in class, ties things to the real world. Actually
- cares about his students and cares if they learn or not. Good balance of videos, demos, handouts, and just lecture notes. Lots of availability for office hours, provides adequate exam prep.