

B EE 496 B  
Capstone Project In Electrical Engineering II  
Course type: Face-to-Face

Evaluation Delivery: Online  
Evaluation Form: A  
Responses: 4/4 ( 100%)

Taught by: Nicole Hamilton  
Instructor Evaluated: Nicole Hamilton-Lecturer

**Overall Summative Rating** represents the combined responses of students to the four global summative items and is presented to provide an overall index of the class's quality:

<b>Median</b> 4.7 (0=lowest; 5=highest)	<b>College Decile</b> 8 (0=lowest; 9=highest)
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**Challenge and Engagement Index (CEI)** combines student responses to several IASystem items relating to how academically challenging students found the course to be and how engaged they were:

<b>CEI: 6.6</b> (1=lowest; 7=highest)
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### SUMMATIVE ITEMS

	N	Excellent (5)	Very Good (4)	Good (3)	Fair (2)	Poor (1)	Very Poor (0)	Median	DECILE RANK	
									Inst	College
The course as a whole was:	4	50%	50%					4.5	6	7
The course content was:	4	50%	25%	25%				4.5	7	7
The instructor's contribution to the course was:	4	75%	25%					4.8	8	8
The instructor's effectiveness in teaching the subject matter was:	4	75%		25%				4.8	8	8

### STUDENT ENGAGEMENT

	N	Much Higher (7)	(6)	(5)	Average (4)	(3)	(2)	Much Lower (1)	Median	DECILE RANK	
										Inst	College
<b>Relative to other college courses you have taken:</b>											
Do you expect your grade in this course to be:	4	25%		50%	25%				5.0	3	5
The intellectual challenge presented was:	4	50%	50%						6.5	9	8
The amount of effort you put into this course was:	4	75%	25%						6.8	9	9
The amount of effort to succeed in this course was:	4	100%							7.0	9	9
Your involvement in course (doing assignments, attending classes, etc.) was:	4	75%	25%						6.8	9	9

On average, how many hours per week have you spent on this course, including attending classes, doing readings, reviewing notes, writing papers and any other course related work?

**Class median: 8.5 Hours per credit: 2.8 (N=4)**

Under 2	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-17	18-19	20-21	22 or more
		25%	25%		25%		25%				

From the total average hours above, how many do you consider were valuable in advancing your education?

**Class median: 6.5 Hours per credit: 2.2 (N=4)**

Under 2	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-17	18-19	20-21	22 or more
	25%		50%	25%							

What grade do you expect in this course?

**Class median: 3.8 (N=4)**

A (3.9-4.0)	A- (3.5-3.8)	B+ (3.2-3.4)	B (2.9-3.1)	B- (2.5-2.8)	C+ (2.2-2.4)	C (1.9-2.1)	C- (1.5-1.8)	D+ (1.2-1.4)	D (0.9-1.1)	D- (0.7-0.8)	E (0.0)	Pass	Credit	No Credit
50%	25%		25%											

In regard to your academic program, is this course best described as:

**(N=4)**

In your major	A core/distribution requirement	An elective	In your minor	A program requirement	Other
75%	25%				

**STANDARD FORMATIVE ITEMS**

	N	Excellent (5)	Very Good (4)	Good (3)	Fair (2)	Poor (1)	Very Poor (0)	Median	DECILE RANK	
									Inst	College
Course organization was:	4	75%			25%			4.8	9	9
Clarity of instructor's voice was:	4	75%		25%				4.8	8	8
Explanations by instructor were:	4	75%	25%					4.8	8	8
Instructor's ability to present alternative explanations when needed was:	4	50%	25%	25%				4.5	5	6
Instructor's use of examples and illustrations was:	4	75%	25%					4.8	8	8
Quality of questions or problems raised by the instructor was:	4	75%	25%					4.8	8	8
Student confidence in instructor's knowledge was:	4	50%	25%		25%			4.5	3	4
Instructor's enthusiasm was:	4	100%						5.0	9	9
Encouragement given students to express themselves was:	4	75%	25%					4.8	7	8
Answers to student questions were:	4	75%		25%				4.8	8	8
Availability of extra help when needed was:	4	75%		25%				4.8	8	8
Use of class time was:	4	50%	25%	25%				4.5	6	6
Instructor's interest in whether students learned was:	4	75%	25%					4.8	8	8
Amount you learned in the course was:	4	50%	50%					4.5	6	7
Relevance and usefulness of course content were:	4	50%	25%	25%				4.5	6	6
Evaluative and grading techniques (tests, papers, projects, etc.) were:	4	75%	25%					4.8	9	8
Reasonableness of assigned work was:	4	75%		25%				4.8	9	8
Clarity of student responsibilities and requirements was:	4	75%			25%			4.8	9	8

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#### STANDARD OPEN-ENDED QUESTIONS

##### Was this class intellectually stimulating? Did it stretch your thinking? Why or why not?

1. It was a very interesting project and I got a lot of experience making engineering-related decisions for parts. I also learned how to use EAGLE and how to order a professional PCB, and am going to learn how to surface-mount parts.
2. It was like the final project of the 425 but much more intellectually challenging. Making things is always fun.
3. Yes a lot of new concepts and ideas.
4. Yes, the whole project was challenging.

##### What aspects of this class contributed most to your learning?

1. Programming and Verilog work were more valuable to me than the PCB aspect.
3. The help from the instructor and the explanations.
4. Having good teammate(s) and advisor.

##### What aspects of this class detracted from your learning?

1. It seemed that students were not very well-prepared for actual programming and HDL design before doing the Capstone. This is external to the class, but it significantly affected the project.
2. I honestly don't want to recommend students doing capstone project on a subject that is 2nd stage of previous groups.
3. Little confused on using software that was too familiar
4. There were no good references I could find online and I don't have a strong base software knowledge.

##### What suggestions do you have for improving the class?

1. Students should be encouraged to learn new skills, probably.
2. I feel that we didn't get any help from the industry helper Eric.
3. Nothing.
4. I have an impression that our team relied on you and Daniel too much, especially Daniel. I hope you can do something about it if the next team feels the same way. Anyways, Thank you Nicole.