

EL8003 (Semiconductor Devices, HT 2023, Halmstad, H3911, X3912)

Number of possible respondents: 17

Answers: 9

Response rate: 52,94 %

Study pace: 50 %

Examiner's course analysis

Based on the course evaluation result - which are the strengths of the course?

The textbook is some years old. I developed a course lecture notes in a systematic way, from quantum physics, solid state theory, semiconductor material science, to the device physics, closely correlated with the education program and students' education background. The results in teaching and deep-learning were very good.

Based on the course evaluation result - which are the weaknesses of the course?

A major problem in teaching is the limited physics and mathematics knowledge as well as numerical programming in students' education background which limited the deep-learning of the course contents.

This year, the lab was run separately from course teaching-learning. As compared with previous years' lab, this time, one course participant commented in course evaluation: "The lab should have a more practical approach. Rather than everyone watching a script run and some values on a screen for a couple of minutes, I would prefer if we got to do something ourselves."

Comments about the collaboration with the course ambassadors

No direct communication with course ambassadors. Close communications with students during the lectures, lab, and exercises and supervisions, were frequent and fruitful.

Conclusion and suggestions for course development or already made decisions

The education background of students in mathematics and numerical programming, even in the education program, should be enhanced.

Other comments

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Gender

	Number of responses	Distribution (%)
Female	5	56%
Male	3	33%
Do not want to define	1	11%
Total	9	100%

I am overall satisfied with the course.

	Number of responses	Distribution (%)	Index (%) I am overall satisfied with the course	78
0 = I definitely do not agree	0	0%		
1	0	0%		
2	2	22%		
3	1	11%		
4	2	22%		
5 = I definitely agree	4	44%		
No opinion	0	0%		
Total	9	100%		

How much time have you spent on the course in relation to the course's study pace?

	Number of responses	Distribution (%)
Less time than the course study pace	1	11%
Corresponding to the course study pace	6	67%
More time than the course study pace	2	22%
Total	9	100%

The design of the course (teaching methods, literature, pedagogy, etc.) has been well adjusted to help me achieve the learning outcomes in the syllabus.

	Number of responses	Distribution (%)	Index (%) The design of the course (teaching methods, literature, pedagogy, etc.) has been well adjusted to help me achieve the learning outcomes in the syllabus.	80
0 = I definitely do not agree	0	0%		
1	0	0%		
2	1	11%		
3	2	22%		
4	2	22%		
5 = I definitely agree	4	44%		
No opinion	0	0%		
Total	9	100%		

During the course examinations, I have had the opportunity to show that I have achieved the learning outcomes in the syllabus.

	Number of responses	Distribution (%)	Index (%) During the course examinations, I have had the opportunity to show that I have achieved the learning outcomes in the syllabus.	
0 = I definitely do not agree	0	0%	83	
1	0	0%		
2	0	0%		
3	3	33%		
4	0	0%		
5 = I definitely agree	4	44%		
No opinion	2	22%		
Total	9	100%		

I have experienced the social study environment as good during the course.

	Number of responses	Distribution (%)	Index (%) I have experienced the social study environment as good during the course.	
0 = I definitely do not agree	1	11%	80	
1	0	0%		
2	0	0%		
3	1	11%		
4	2	22%		
5 = I definitely agree	5	56%		
No opinion	0	0%		
Total	9	100%		

Course satisfaction index

Satisfaction index % (summary of all statements)	80
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