

DT8023 (System-on-chip Design, VT 2025, Halmstad, V3440)

Number of possible respondents: 15

Answers: 9

Response rate: 60,00 %

Study pace: 50 %

Examiner's course analysis

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

The course received an overall satisfaction index of 82%, with many students highlighting the hands-on learning approach as the most valuable aspect. The integration of labs and a hardware project allowed students to apply theoretical knowledge in a practical context. Students appreciated the early access to hardware, supportive learning environment, and the balance between theory and application. Several responses also praised the teaching methods, which made complex concepts easier to understand.

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

Some students felt the course placed too much emphasis on learning and debugging tools (e.g., Vivado, Vitis) rather than focusing on actual VHDL or Verilog coding. There were also requests for more early exposure to hardware description languages, better integration of coding assignments, and clearer instructions in lab manuals. Additionally, some students experienced issues due to software version mismatches, which led to confusion and hindered learning. Suggestions were made to expand supporting materials (e.g., reading lists or recorded lectures) and to allocate more time and supervision for the final project.

Comments about the collaboration with the course ambassadors

No course ambassadors were appointed for this course round. For future iterations, I plan to appoint ambassadors at the beginning of the course to facilitate ongoing dialogue, receive early feedback, and support continuous course improvement.

Conclusion and suggestions for course development or already made decisions

In response to the feedback, I plan to:

1. Introduce basic coding exercises with VHDL or Verilog earlier in the course,
2. Revise lab instructions and ensure compatibility with current software tools,
3. Provide clearer documentation and address any software-related confusion,
4. Allocate more time and structure for final project supervision,
5. Offer additional resources such as a recommended reading list and access to recorded content.

Other comments

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I am overall satisfied with the course.

	Number of responses	Distribution (%)	Index (%) I am overall satisfied with the course	82
0 = I definitely do not agree	0	0%		
1	0	0%		
2	1	11%		
3	2	22%		
4	1	11%		
5 = I definitely agree	5	56%		
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	3	33%
Corresponding to the course study pace	5	56%
More time than the course study pace	1	11%
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 (%)
0 = I definitely do not agree	1	11%
1	0	0%
2	2	22%
3	2	22%
4	1	11%
5 = I definitely agree	3	33%
No opinion	0	0%
Total	9	100%

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.

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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 (%)
0 = I definitely do not agree	0	0%
1	0	0%
2	0	0%
3	2	22%
4	3	33%
5 = I definitely agree	4	44%
No opinion	0	0%
Total	9	100%

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

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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	0	0%	98	
1	0	0%		
2	0	0%		
3	0	0%		
4	1	11%		
5 = I definitely agree	7	78%		
No opinion	1	11%		
Total	9	100%		

Course satisfaction index

Satisfaction index % (summary of all statements)	82
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