

DT8007 (Design of Embedded and Intelligent Systems, HT 2022, Halmstad, E3420, H3420, X3421)

Number of possible respondents: 33

Answers: 22

Response rate: 66,67 %

Study pace: 50 %

Examiner's course analysis

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

It was so nice to see that so many people helped us with feedback this year (22!), I really appreciated some of the positive comments, and it was good that most people seemed satisfied, thought they were spending the right amount of time in the course and found the oral/project to be neither too easy or too hard.

Meetings occurred between the two course ambassadors and course responsible a few times throughout the course, especially in Nov. after the oral exam, with good insights obtained. (Various strengths were also raised in individual comments of what students liked: working with robots, sensors, data communication, ros2, and linux, the shared communication protocol, the freedom to be creative and come with own solutions to problems, the teachers, group work / collaborating, that the course was a whole semester, embedded systems, learning a lot / about how to be a successful professional, practice/real learning/the demo tollgates, labs, exams, gaining wide knowledge, etc.)

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

Regarding suggestions for improvements, the overwhelmingly most frequent comment was related to group size (given we had twice as many students as normal this year), saying groups should be limited to 4 people max or asking for more equipment, which we will do (luckily we expected fewer students next time).

Some other comments seemed difficult to address (e.g. some seemed based on misunderstandings), but we will try to deal with comments like the following: more time was needed for the research step presentations, deadlines should be spaced more, groups need to be dissuaded more from moving the camera/table, the robot lab felt too small this year given the larger class size, some lectures could be removed, and quizzes should be handled the same way by all teachers.

Comments about the collaboration with the course ambassadors

Already commented on in the other section(s).

Conclusion and suggestions for course development or already made decisions

Already commented on in the other section(s).

Other comments

Gender

	Number of responses	Distribution (%)
Female	9	41%
Male	12	55%
Do not want to define	1	5%
Total	22	100%

I am overall satisfied with the course.

	Number of responses	Distribution (%)	Index (%) I am overall satisfied with the course	70
0 = I definitely do not agree	1	5%		
1	2	9%		
2	1	5%		
3	7	32%		
4	3	14%		
5 = I definitely agree	8	36%		
No opinion	0	0%		
Total	22	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	0	0%
Corresponding to the course study pace	15	68%
More time than the course study pace	7	32%
Total	22	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	0	0%
1	2	9%
2	5	23%
3	2	9%
4	2	9%
5 = I definitely agree	11	50%
No opinion	0	0%
Total	22	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	1	5%
2	1	5%
3	6	27%
4	1	5%
5 = I definitely agree	13	59%
No opinion	0	0%
Total	22	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	2	9%	79	
1	0	0%		
2	2	9%		
3	1	5%		
4	5	23%		
5 = I definitely agree	12	55%		
No opinion	0	0%		
Total	22	100%		

Course satisfaction index

Satisfaction index % (summary of all statements)	76
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The oral exam was easy.

The oral exam was easy.	Number of responses	Distribution (%)
0 = I definitely do not agree	2	9%
1	2	9%
2	3	14%
3	7	32%
4	6	27%
5 = I definitely agree	1	5%
No opinion	1	5%
Total	22	100%

The project was easy.

The project was easy.	Number of responses	Distribution (%)
0 = I definitely do not agree	3	14%
1	2	9%
2	5	23%
3	8	36%
4	3	14%
5 = I definitely agree	0	0%
No opinion	1	5%
Total	22	100%

I liked the topic of this course (designing collaborative robots)

I liked the topic of this course (designing collaborative robots)	Number of responses	Distribution (%)
0 = I definitely do not agree	1	5%
1	1	5%
2	0	0%
3	3	14%
4	6	27%
5 = I definitely agree	11	50%
No opinion	0	0%
Total	22	100%