

DT4030 (CAD for Mechatronics, VT 2024, Halmstad, V3766)

Number of possible respondents: 18

Answers: 9

Response rate: 50,00 %

Study pace: 50 %

Examiner's course analysis

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

The strengths are that the course teaching and tasks are strongly aligned with the course learning objectives and that the tasks are interesting challenges. The CSWA exam opportunity is appreciated by many of the students.

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

It seems there was sometimes a struggle to follow what I was doing while going through the tutorials. This was not the case previously for online teaching, but it seems to be an issue for in-person teaching. The writing task seems to be too early in course in relation to lecture content.

Comments about the collaboration with the course ambassadors

When the class was asked at the beginning of the course no student wanted to be a course ambassador. Therefore I agreed with the class that any issues could be brought up at any time and that I ensure an open learning environment where people can speak their minds (I attempt this for all my courses). I believe this worked well for this course and was better than me trying to force a student(s) to be an "ambassador" when clearly nobody wanted that role.

Conclusion and suggestions for course development or already made decisions

The tutorials will be modified slightly to be part homework and part me going through important concepts before the students attempt the tutorial themselves. I will try to move the writing task to later in the course, if the schedule works.

Clearly, the students didn't like the teaching facilities of room R3145 (D). As a teacher I agree with this and found the facilities to be far from optimal for a good learning environment. A request for improvements to this room or moving to another location has been put forward to IT Support.

Other comments

Many students commented on the issues with the projector in the R3145(D) room where connections were difficult, the screen is very small, there is a post in the way of the projector, the room is reminiscent of a "bunker", and the ventilation is poor. This is something that should be remedied by IT Support by installing SOLIDWORKS on PCs in alternative locations or by significantly modifying the R3145(D) room to make it function much better as a teaching environment.

Gender

	Number of responses	Distribution (%)
Female	0	0%
Male	9	100%
Do not want to define	0	0%
Total	9	100%

I am overall satisfied with the course.

	Number of responses	Distribution (%)	Index (%) I am overall satisfied with the course	91
0 = I definitely do not agree	0	0%		
1	0	0%		
2	0	0%		
3	0	0%		
4	4	44%		
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	4	44%
Corresponding to the course study pace	5	56%
More time than the course study pace	0	0%
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.	84
0 = I definitely do not agree	0	0%		
1	1	11%		
2	0	0%		
3	1	11%		
4	1	11%		
5 = I definitely agree	6	67%		
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%		
1	0	0%		
2	0	0%		
3	1	11%		
4	1	11%		
5 = I definitely agree	7	78%		
No opinion	0	0%		
Total	9	100%		93

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%		
1	0	0%		
2	0	0%		
3	1	11%		
4	3	33%		
5 = I definitely agree	5	56%		
No opinion	0	0%		
Total	9	100%		89

Course satisfaction index

Satisfaction index % (summary of all statements)	89
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The facilities were different for this year using the R3145(D) room for in lab teaching. Did you find the facilities were a good environment for teaching the course? Would you suggest any improvements and/or changes to improve the teaching environment?

Which assignment did you find easiest for the course and which one did you find hardest? Please add a short explanation for your answer(s).

Did you feel the course has improved your competence to be a Mechatronics Engineer?

Did you feel the course has improved your competence to be a Mechatronics Engineer?	Number of responses	Distribution (%)
No	0	0%
I don't know	0	0%
Probably	0	0%
Yes	8	100%
Total	8	100%