

DT8020 (Intelligent Vehicles, VT 2026, Halmstad, V3430, X3430)

Number of possible respondents: 28

Answers: 13

Response rate: 46,43 %

Study pace: 50 %

Examiner's course analysis

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

Overall, the students highlighted several strengths of the course, particularly its balance between theory and practical application. Many appreciated the well-structured lectures and the exam's relevance to the course content, which contributed to a clear, coherent learning experience. The labs and practical exercises stood out as especially valuable, as they allowed students to apply theoretical knowledge—such as through MATLAB simulations—and deepen their understanding. Lab supervision was also praised for providing helpful guidance and opportunities to discuss uncertainties.

Students valued the wide range of study materials, including lectures, exercises, and papers, as well as the support available when needed. The seminars, initially met with some skepticism, turned out to be a positive aspect for many. They were seen as engaging, low-pressure opportunities to learn, discuss interesting articles, and even connect socially with peers.

Additionally, the course content, particularly the integration of robotics and movement, was described as interesting and meaningful, and the teaching was perceived as effective

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

Overall, students identified several areas for improvement in the course, primarily related to clarity, organization, and workload balance. A recurring concern was that instructions in labs, exercises, and even exam questions were sometimes difficult to interpret, leading to confusion about expectations and what should be included in submissions. This was reinforced by inconsistent terminology and notation across course materials, which made it harder to follow concepts and equations.

Another common issue was the organization of materials on Blackboard, where lecture files and folders were sometimes mismatched or poorly structured, leading to unnecessary confusion. Students suggested a clearer, more consistent structure to improve accessibility and reduce frustration.

The seminars received mixed feedback. While generally appreciated, some students felt that the workload—particularly the amount and length of assigned papers—was too heavy. There were also concerns about how the seminars were assessed, as attendance alone was seen as insufficient to ensure engagement. Students suggested either doing seminars voluntarily, improving how participation is evaluated, or reducing the number of required papers while focusing on the most relevant ones.

In addition, some students expressed a desire for more or different practical components, such as additional or more hands-on labs. Others suggested clarifying the relative importance of different seminar papers and improving specific exercise instructions.

Comments about the collaboration with the course ambassadors

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Conclusion and suggestions for course development or already made decisions

Provide updates to the laboratory exercise instructions based on students' feedback, especially



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regarding the expectations for laboratory exercise 34.

Perhaps update the "student paper presentation" instructions and more formally check that every student contributes to the seminar.

Other comments

Written exam throughput: 87,5% (2026), 82% (2025), 53% (2024), 87% (2023), 94% (2022), 72% (2021), 88% (2020)

Course satisfaction index: 90% (2026), 83% (2025), 76% (2024), 76% (2023), 82% (2022), 63% (2021), 73% (2020)

I am overall satisfied with the course.

	Number of responses	Distribution (%)	Index (%) I am overall satisfied with the course	86
0 = I definitely do not agree	0	0%		
1	0	0%		
2	0	0%		
3	1	8%		
4	7	54%		
5 = I definitely agree	5	38%		
No opinion	0	0%		
Total	13	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	12	92%
More time than the course study pace	1	8%
Total	13	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	0	0%
2	0	0%
3	1	8%
4	3	23%
5 = I definitely agree	9	69%
No opinion	0	0%
Total	13	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	3	23%
4	5	38%
5 = I definitely agree	5	38%
No opinion	0	0%
Total	13	100%

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

83

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	8%		
5 = I definitely agree	12	92%		
No opinion	0	0%		
Total	13	100%		

Course satisfaction index

Satisfaction index % (summary of all statements)	90
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