

DT8020 (Intelligent Vehicles, VT 2025, Halmstad, V3430, X3431)

Number of possible respondents: 28

Answers: 17

Response rate: 60,71 %

Study pace: 50 %

Examiner's course analysis

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

Students generally had a positive experience with the course and highlighted several aspects contributing to their learning and engagement. Many found the weekly paper discussions and seminars particularly valuable, as they helped deepen their understanding of the course material and were well-aligned with the lab exercises and exam preparation. Integrating seminar sessions with lectures was considered wise, encouraging attendance and reinforcing key concepts. The laboratory sessions stood out as one of the most appreciated elements of the course. Students consistently mentioned that the labs were enjoyable, well-structured, and essential for understanding the theoretical content. The fact that labs built upon each other, culminating in final presentations, helped students tie everything together meaningfully. Several also mentioned that although the exercises were challenging, they were satisfying to complete and contributed to a deeper grasp of the subject matter—making the final exam more manageable. Students praised the course structure as clear and goal-oriented, with a logical flow between lectures, labs, and assessments. The inclusion of real-world examples and comparisons, as well as recorded video explanations, further enhanced the learning experience. The course was also considered more challenging than others, which students found intellectually stimulating and valuable for their academic growth. Lastly, the professor was commended for their helpfulness, responsiveness, and ability to keep the lectures engaging, particularly through discussions on the evolving field of intelligent vehicles.

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

While students appreciated the course, several constructive suggestions were made to enhance the learning experience. A recurring theme was the need for more precise and detailed lab instructions. Multiple students mentioned that some lab exercises—particularly Exercise 2—were confusing, and more accurate differentiation between tasks and expected outcomes and guidance on approaching them would have been helpful. Visual examples of desired outputs or graphs and real-time demonstrations of actual robots were also suggested to improve understanding and motivation. Students also recommended improvements to the lecture materials, suggesting they could be more informative and aligned with lab content. The historical background was considered too long and could be shortened to allow more focus on the course goals and lab objectives from the start. Another common point was the suggestion to include more real-world context—such as industry use cases, autonomous driving applications, or even possible site visits—to connect course content with its practical applications better. Feedback on seminar paper submissions before student presentations was also requested to help students feel more confident in their chosen material and preparedness.

Comments about the collaboration with the course ambassadors

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Conclusion and suggestions for course development or already made decisions

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

expectations of laboratory exercise 2.

Perhaps update the "student paper presentation" instructions and give feedback.

Other comments

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

Course satisfaction index: 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	88
0 = I definitely do not agree	0	0%		
1	0	0%		
2	1	6%		
3	2	12%		
4	3	18%		
5 = I definitely agree	11	65%		
No opinion	0	0%		
Total	17	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	6%
Corresponding to the course study pace	15	88%
More time than the course study pace	1	6%
Total	17	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.	
0 = I definitely do not agree	0	0%	76	
1	1	6%		
2	2	12%		
3	3	18%		
4	4	24%		
5 = I definitely agree	7	41%		
No opinion	0	0%		
Total	17	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%	85	
1	0	0%		
2	2	12%		
3	2	12%		
4	3	18%		
5 = I definitely agree	10	59%		
No opinion	0	0%		
Total	17	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	0	0%	84	
1	0	0%		
2	2	12%		
3	3	18%		
4	2	12%		
5 = I definitely agree	10	59%		
No opinion	0	0%		
Total	17	100%		

Course satisfaction index

Satisfaction index % (summary of all statements)	83
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