

DB4002 (Algoritmer och datastrukturer, VT 2025, Halmstad, V3897)

Antal möjliga respondenter: 119

Antal svar: 33

Svarsfrekvens: 27,73 %

Studietakt: 50 %

Examinators kursanalys

Vilka styrkor har kursen?

One of the strengths highlighted by the students was the bi-weekly exercise format, which many found more manageable and less stressful than weekly submissions. Students also expressed appreciation for the overall course structure, particularly the way topics and subtopics were organized, which they felt contributed to a clearer understanding of the material.

Vilka svagheter har kursen?

Some students found the lab instructions unclear at times, particularly when trying to connect lecture content with the lab tasks. A more explicit alignment between lectures and labs could enhance understanding and help students apply concepts more confidently. Additionally, the shorter timeframe for Lab 4 compared to the earlier labs posed a challenge for some students in completing it on time.

Another point raised was the variation in the structure of oral examination sessions, which may differ depending on the examiner. While this is a natural result of having multiple examiners, we recognize the importance of providing a more consistent experience across groups. To address this issue, we will make a proposal in the fall of 2025 for practical lab evaluation sessions instead of oral sessions.

Some students also noted difficulty in using the course literature effectively through Blackboard. Strengthening the link between lectures and the recommended literature, as well as incorporating more literature-based exercises, could support students in navigating the material more independently.

Kommentera samarbetet med kursambassadörerna

The course ambassador was selected early in the course and played a valuable role in communicating students' concerns and feedback throughout the term. The input shared through the ambassador highlighted a diversity of student experiences—some students felt the teaching style was repetitive when explaining basic concepts, while others found certain lecture content challenging. This range of feedback suggests that there is room to better calibrate the depth and delivery of concepts to support students with varying backgrounds and learning needs. Going forward, we will continue to refine the balance between foundational explanations and advanced material to ensure broader accessibility and engagement.

Slutsatser samt eventuella förslag till kursutveckling eller beslut som redan fattats

A recurring observation from this course instance was the very low participation in lab practice sessions (övning sessions). Despite students expressing that the lab assignments were challenging, attendance at the lab support sessions remained minimal, often only 3 to 5 students joined, and at times, no one attended. To use teaching resources more effectively, we are planning that the future lab support sessions will require advance registration. This way, sessions can be organized only when there is sufficient student interest.

Additionally, lab instructions will be revised to provide clearer guidance on expected answers and to strengthen the connection between lab tasks and course literature.

The course content and delivery style will also be refined to better accommodate students with varying levels of prior knowledge, ensuring that everyone feels included and supported throughout the course.

A significant planned change relates to the oral examination sessions for each of the four labs. Currently, students may have differing experiences depending on the examiner they are assigned to. While this variation is often inevitable with multiple examiners, it is important to ensure fairness and consistency. Moreover, simply attending the oral session should not equate to passing, as these sessions are tied to examination components, and students earn 2 credits upon successful completion of labs. Therefore, it is important that the assessment ensures both learning and knowledge acquisition. To address this, we are considering replacing the oral examination with a small, time-bound practical task. For example, students may be asked to interact with or call methods from their implemented code to produce specific outputs. This approach would promote a deeper understanding of the work they have done and reduce examiner-related discrepancies, as all students would complete the same type of task under similar conditions.

Lastly, in response to student feedback regarding the lecture schedule, specifically the challenge of attending two lectures back-to-back on the same afternoon, we plan to adjust future schedules so that lectures are spread more evenly across the week.

Övriga kommentarer

A total of 78 students participated in the written exam, including some from previous years. The four laboratory sessions received 104, 102, 100, and 138 submissions, respectively, indicating that the number of active students was approximately 140. Of these, 33 students responded to the course evaluation survey.

Although the course content and structure remained largely the same as last year, students' feedback highlighted several areas needing improvement. These insights are invaluable and will be considered when enhancing the course for the next semester.

Jag är sammantaget nöjd med kursen.

	Antal svar	Fördelning (%)	Index (%) Jag är sammantaget nöjd med kursen	
0 = Instämmer inte alls	3	9%	54	
1	5	15%		
2	5	15%		
3	8	24%		
4	8	24%		
5 = Instämmer helt	3	9%		
Ingen uppfattning	1	3%		
Summa	33	100%		

Hur mycket tid har du lagt på kursen i förhållande till kursens studietakt?

	Antal svar	Fördelning (%)
Mindre tid än kursens studietakt	8	24%
Motsvarande kursens studietakt	15	45%
Mer tid än kursens studietakt	10	30%
Summa	33	100%

Kursens utformning (undervisningsformer, litteratur, pedagogik etc.) har underlättat för mig att uppnå lärandemålen i kursplanen.

	Antal svar	Fördelning (%)
0 = Instämmer inte alls	4	12%
1	7	21%
2	4	12%
3	5	15%
4	7	21%
5 = Instämmer helt	4	12%
Ingen uppfattning	2	6%
Summa	33	100%

Index (%) Kursens utformning (undervisningsformer, litteratur, pedagogik etc.) har underlättat för mig att uppnå lärandemålen i kursplanen.

50

Jag har under kursens examinationsmoment haft möjlighet att visa att jag har uppnått lärandemålen i kursplanen.

	Antal svar	Fördelning (%)
0 = Instämmer inte alls	1	3%
1	4	12%
2	1	3%
3	8	24%
4	7	21%
5 = Instämmer helt	8	24%
Ingen uppfattning	4	12%
Summa	33	100%

Index (%) Jag har under kursens examinationsmoment haft möjlighet att visa att jag har uppnått lärandemålen i kursplanen.

68

Jag upplever att den sociala studiemiljön varit god under kursen.

	Antal svar	Fördelning (%)	Index (%) Jag upplever att den sociala studiemiljön varit god under kursen
0 = Instämmer inte alls	5	15%	61
1	2	6%	
2	2	6%	
3	6	18%	
4	7	21%	
5 = Instämmer helt	8	24%	
Ingen uppfattning	3	9%	
Summa	33	100%	

Kursens nöjdhetsindex

Nöjdhetsindex % (summering alla påståenden)	58
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