

DS4003 (Principles and Techniques for Data Science, HT 2023, Halmstad, H3014, X3002)

Number of possible respondents: 12

Answers: 9

Response rate: 75,00 %

Study pace: 33 %

Examiner's course analysis

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

Relevant and comprehensive content, project, and exam level.

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

The amount of content was more than some students expected. Some students complain about the timing of the project and labs and conflicts with other courses. Some students complained about the labs needing to be more interactive. Some students complain about the lack of comprehensive textbooks to cover all topics. Some suggest that 11hp was not enough and the course should be delivered in 15hp (two 7.5hp courses). Some complained about the exam design in three levels of 3,4,5 questions and asked that all questions should be marked.

Comments about the collaboration with the course ambassadors

Since the number of students was limited, I directly spoke with students regarding essential matters.

Conclusion and suggestions for course development or already made decisions

This course will be 7.5hp in 2025, so naturally, it will be compressed regarding the content volume. But in 2024 I plan to reduce the content. The comments on the labs will be discussed with the lab instructor for possible actions on the improvement of the labs, perhaps adding more interactive exercises. The lack of a comprehensive textbook covering all topics will remain a barrier. No textbook provides the material I wanted to teach at an appropriate level suited to bachelor students with that math background. I have introduced several different references during lectures, including books, and scientific articles. The slides are also rich enough. So, I do not have a serious concern regarding that. However, I plan to write a textbook for this course, but this will take a while. I decided to mark all exams regardless of the level (G3/G4/G5). But I also disagree with some students. G3 questions are designed to assess the student's basic knowledge, and if someone does not have the minimum requirement for passing the course, answering questions of a higher level should not logically serve as compensation for lack of basic knowledge. Therefore, I am going to keep this the same structure in the next run. However, I will mark all questions, just so students know how many points they got at each level.

Other comments

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Gender

	Number of responses	Distribution (%)
Female	2	22%
Male	7	78%
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	64
0 = I definitely do not agree	0	0%		
1	0	0%		
2	3	33%		
3	3	33%		
4	1	11%		
5 = I definitely agree	2	22%		
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	0	0%
Corresponding to the course study pace	3	33%
More time than the course study pace	6	67%
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.	51
0 = I definitely do not agree	1	11%		
1	1	11%		
2	3	33%		
3	2	22%		
4	0	0%		
5 = I definitely agree	2	22%		
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	1	11%		
1	0	0%		
2	3	33%		
3	2	22%		
4	1	11%		
5 = I definitely agree	2	22%		
No opinion	0	0%		
Total	9	100%		58

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	2	22%		
2	1	11%		
3	1	11%		
4	2	22%		
5 = I definitely agree	3	33%		
No opinion	0	0%		
Total	9	100%		67

Course satisfaction index

Satisfaction index % (summary of all statements)	60
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