

DT8051 (Python - a Gateway to Machine Learning, HT 2022, Halmstad, 13118, H3118, X3120)

Number of possible respondents: 54

Answers: 38

Response rate: 70,37 %

Study pace: 50 %

Examiner's course analysis

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

- * The course is perceived as well organised and with good resources.
- * Recorded lectures are appreciated.
- * The labs follow what is taught and provide a setting for applying the theory.
- * The course combines theory (knowledge) and practice (skills)
- * The drop-in sessions for free questions are appreciated.

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

- * Offering the course completely online while most of the students were on campus and could have benefited from campus teaching.
- * Lab supervision was perceived as not clear enough.

Comments about the collaboration with the course ambassadors

The course had 3 course ambassadors, from 2 programmes. We met three times: to explain the process, to suggest questions and to analyse the answers. We agree that the collaboration worked well.

Conclusion and suggestions for course development or already made decisions

- * Move part of the teaching to campus but keep the recordings in Blackboard and offer supervision and drop in online for students that need it.
- * Adapt lab supervision sessions' teaching to include more explanations and related examples.
- * Focus Supplemental Instruction on helping students with basic programming exercises in Python.

Other comments

Supplemental Instruction was perceived as confusing.

Also, in spite of the prerequisite that states that students are expected to have taken a programming course there are students that feel that they lack the skill in programming (maybe because the course was taken long ago or because the course was more theoretical than practical).

This is why we suggest that SI focuses on helping these students to solve programming exercises



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in Python.

Gender

	Number of responses	Distribution (%)
Female	18	47%
Male	20	53%
Do not want to define	0	0%
Total	38	100%

I am overall satisfied with the course.

	Number of responses	Distribution (%)	Index (%) I am overall satisfied with the course	81
0 = I definitely do not agree	2	5%		
1	0	0%		
2	1	3%		
3	6	16%		
4	11	29%		
5 = I definitely agree	17	45%		
No opinion	1	3%		
Total	38	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	11%
Corresponding to the course study pace	23	61%
More time than the course study pace	11	29%
Total	38	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	1	3%
1	1	3%
2	2	5%
3	6	16%
4	17	45%
5 = I definitely agree	11	29%
No opinion	0	0%
Total	38	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	1	3%
1	2	5%
2	5	13%
3	6	16%
4	16	42%
5 = I definitely agree	8	21%
No opinion	0	0%
Total	38	100%

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

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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	4	11%		
2	3	8%		
3	5	13%		
4	8	21%		
5 = I definitely agree	18	47%		
No opinion	0	0%		
Total	38	100%		77

Course satisfaction index

Satisfaction index % (summary of all statements)	76
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Many students in the course come from other countries. Some find it difficult to understand how the course is organized and what is expected from them. In this course we prepared a Course Description that was distributed at the start. Maybe it was not enough.

What had you wanted to know about how the course is taught and what is expected of you from the start?

The labs are used to test that you have acquired relevant skills. You are asked to solve new problems with the methods we teach in the lectures. The lab supervision sessions are meant to help you solve the labs.

You can **choose several** of the following statements about the lab supervision sessions:



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The labs are used to test that you have acquired relevant skills. You are asked to solve new problems with the methods we teach in the lectures. The lab supervision sessions are meant to help you solve the labs.

You can **choose several** of the following statements about the lab supervision sessions:

	Number of responses	Distribution (%)
They work well as they are	9	24%
Should include a detailed explanation of the problem that has to be solved	16	42%
Should include examples that help understand what is expected in each exercise	24	63%
Should include quiz in the beginning to help students know what they are expected to know before solving the lab	6	16%
Total	55	145%

The written exam is used to test that you have acquired relevant knowledge and understanding.

You can **choose several** of the following statements about how questions similar to the ones that appear in the written exam are included in the course:



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The written exam is used to test that you have acquired relevant knowledge and understanding.

You can **choose several** of the following statements about how questions similar to the ones that appear in the written exam are included in the course:

	Number of responses	Distribution (%)
Included at the end of each week	14	37%
Used in tests in Blackboard	7	18%
Published at the beginning of the course	8	21%
Used in a practice exam at the end of the course	21	55%
Total	50	132%