

BF8010 (Advanced Course in District Heating Technology, HT 2022, Halmstad, H0801, X0701)

Number of possible respondents: 21

Answers: 11

Response rate: 52,38 %

Study pace: 50 %

Examiner's course analysis

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

Course design and social study environment. Teaching style, engagement, and interaction with students. Study visit and laboratory session.

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

Examination format: one single 7.5 credit event in the form of a written exam. No mandatory elements except the examination event, resulting in sparse student attendance at lectures and laboratory session.

Comments about the collaboration with the course ambassadors

No student ambassadors were recruited, but continuous dialogue regarding course design with participating students throughout the course.

Conclusion and suggestions for course development or already made decisions

From the student feedback it is clear that the examination should consist of more elements (rather than just one single 7.5 credit event). A possible response to this could be to make the laboratory session not only mandatory, but indeed an independent examination event (likely at one or 1.5 credits). In fact, some developments of new laboratory topics were made this year, so next years course could perhaps have one or even two mandatory laboratory session events (likely report writing as submission format). A response like this would also meet some criticism regarding a certain lack of practical exercises and hands-on engineering activities. Alternatively, the current two "assignments", which this year only referred to reading of scientific literature in the field (with no associated credits), could be further developed into dedicated review studies on the one hand (for example written in paper format and presented) as well as exercises on the other (for example design, application, reporting, and presenting of various modelling, and mapping techniques) and assigned corresponding credits as mandatory examination events.

It is a pity that many registered students never show up at the lectures (or at any non-obligatory course activity), not even when facilitating online attendance. My experience is that this is not course-specific, rather a general dilemma, but for next year I will also consider - in addition to the above - course development measures that would motivate and inspire registered students to participate and actually contribute actively to the course.

Thank you all that took part this year! It was great getting to know you!

Urban Persson, 2023-01-19.

Other comments

This course event was a "reawakening" of a previous course that existed in a former one-year master program in renewable energy which was decommissioned in 2019. The course has been "resting in the closet" for three years and was run this year on the current two-year master program in its original design without any substantial changes made. This original design consisted principally of a weekly three-hour lecture/exercise, one laboratory session, two assignments, a study visit, and a final written exam.

Gender

	Number of responses	Distribution (%)
Female	6	55%
Male	5	45%
Do not want to define	0	0%
Total	11	100%

I am overall satisfied with the course.

	Number of responses	Distribution (%)	Index (%) I am overall satisfied with the course	80
0 = I definitely do not agree	0	0%		
1	1	9%		
2	0	0%		
3	3	27%		
4	1	9%		
5 = I definitely agree	6	55%		
No opinion	0	0%		
Total	11	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	36%
Corresponding to the course study pace	6	55%
More time than the course study pace	1	9%
Total	11	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	1	9%
3	2	18%
4	1	9%
5 = I definitely agree	6	55%
No opinion	1	9%
Total	11	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.

84

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	1	9%
2	1	9%
3	1	9%
4	2	18%
5 = I definitely agree	5	45%
No opinion	1	9%
Total	11	100%

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

78

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	0	0%		
2	0	0%		
3	1	9%		
4	1	9%		
5 = I definitely agree	8	73%		
No opinion	1	9%		
Total	11	100%		94

Course satisfaction index

Satisfaction index % (summary of all statements)	84
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