

Course report for Advanced Environmental Chemistry 5KE177, Spring 2022

Statistics:

- Eight students started the course
- Seven students completed the course

Written course evaluation:

An anonymous survey was posed on Canvas, unfortunately the response frequency was only 25% (2 out of 8). Thus, the survey results may have to be regarded as indicative of student's impressions.

The number responses in each category are given in parentheses.

1. How satisfied are you with the course?

Very satisfied **(1)**

Satisfied **(1)**

Dissatisfied

No opinion

2. How difficult was the course?

Very easy **(1)**

Average Difficult **(1)**

Very difficult

No opinion¹

3. What's your overall impression of the course (multiple answers possible)?

I learned new things **(1)**

I didn't learn anything new

I learned interesting things **(2)**

I didn't learn anything interesting

The course was challenging - in a good way **(1)**

The course was challenging - and too difficult/demanding

What I learned will probably be useful to me in the future

I didn't learn anything that I think will be useful to me in the future

4. How well was the course goals presented and met (multiple answers possible)?

The Expected Learning Outcomes (FSR) accurately described the knowledge/skills I should possess after completion of the course **(2)**

The Expected Learning Outcomes (FSR) did not accurately describe the knowledge/skills I should possess after completion of the course

It was clear to me what I had to know/learn in order to pass the course **(1)**

It was unclear to me what I had to know/learn in order to pass the course

5. How do you feel that you were treated during the course?

Very good **(2)**

Good

Acceptably

Bad

Very bad

6. Are you satisfied with your own commitment and performance?

Yes, very **(1)**

Yes **(1)**

OK - but room for improvement

No

7. What do you think about the course book and the other learning material (scientific papers, videos, assignments, etc.)?

"I'm much satisfied with course and myself also. As coming from non technological and learning so many things is very good. No pressure of study, we had enough time to focus on assignments and all."

8. What was positive with the course?

"Teacher were very responsive to students"

"Positive attitude of course teacher and helpful friends as well as very interesting things to learn about which are on based on present context of Sweden."

9. In what way(s) could the course be improved?

"I would suggest adding a case study on risk assessment to better understand the final project"

"What I want to say is, it would be better if we could do analysis by ourself as we were provided the data and supposed to present as we did which I didn't find relevant. If we had done by ourself, probably we would have learned many more things in much detail."

Oral course evaluation:

The written evaluation was complemented by an oral evaluation.

The following impressions and recommendations were given.

- Overall the students appeared to be satisfied with the course.
- The amount of material to take in, process and present was manageable.
- The early modules of the course were more hectic than the course module on LCA and sustainability. The time scheduled for the final project was feasible.
- The students expressed a wish to include practical work in the final project – to allow them to both generate, evaluate and present their own data.
- As an alternative, they suggested that the labs in the Organic analysis module and the Inorganic analysis module could be performed with samples that are linked to the final project.
- The students suggested to add a practical sampling excursion, preferably linked to the final project.
- Finally, the students would appreciate if the teachers could highlight in the lectures and tutorials the concepts, ideas, methods, etc. that are of particular value for the final project.

Overall reflections:

The students are satisfied with the course, but there is room for improvements, especially regarding the integration between the theoretical parts, the labs, and the final project. A sampling excursion would also be worth considering as it is of interest to the students and aid in the team-building process.

Peter Haglund, Course leader

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