# Report - AL2181 - 2021-03-17

Respondents: 1
Answer Count: 1
Answer Frequency: 100.00%

**Please note that there is only one respondent to this form: the person that performs the course analysis.**

**Course analysis carried out by (name, e-mail):**
Miguel Brandão, miguel.brandao@abe.kth.se

**DESCRIPTION OF THE COURSE EVALUATION PROCESS**
**Describe the course evaluation process. Describe how all students have been given the possibility to give their opinions on the course. Describe how aspects regarding gender, and disabled students are investigated.**
Students had the opportunity to answer a survey where their views could be expressed, but only 20% took advantage of the opportunity.

**DESCRIPTION OF MEETINGS WITH STUDENTS**
**Describe which meetings that has been arranged with students during the course and after its completion. (The outcomes of these meetings should be reported under 7, below.)**
After the completion of the course, a meeting with two students' representatives was held, where views of other students that had been collated were expressed.

**COURSE DESIGN**
**Briefly describe the course design (learning activities, examinations) and any changes that have been implemented since the last course offering.**
The course includes lectures, two seminars, a group project and a home exam. No changes were made since the last course offering.

**THE STUDENTS' WORKLOAD**
**Does the students' workload correspond to the expected level (40 hours/1.5 credits)? If these is a significant deviation from the expected, what can be the reason?**
Most students reported a workload lower than the expected 20 hours/week for a 7.5-credit course.

**THE STUDENTS' RESULTS**
**How well have the students succeeded on the course? If there are significant differences compared to previous course offerings, what can be the reason?**
Very well indeed! Better than last years, as most had "A" and "B".

**STUDENTS´ANSWERS TO OPEN QUESTIONS**
**What does students say in response to the open questions?**

What was the best aspect of the course?

Overall
- Number of tools analysed
- Number of topics discussed
- Different, interesting and new insights
- Focus on individual learning as well as discussion with peers
- Ability for students to focus and gain knowledge on their areas of interest, by reading the recommended literature

Lectures
- Joyful and helpful in getting a grasp of the tools (e.g. practical sessions on CBA and MSCSA), giving confidence in knowing how to apply tools

- The way the in which content is explained and the interaction between students and the professor, making it easier to follow, since examples from real life are incorporated in the explanations

Project
- Some students saw project work as the best and one of the most interesting parts of the course
- The number of students in the group
- Ability of students to choose their topic of interest
- Ability for students to manage their own time
- Helpful in making students understand more about how the decision process works
- Collaborate with other students from different backgrounds / programmes and exchange ideas
- Ability to identify the purpose of the different tools and their context dependency
- Ability to construct a model for decision making which include stakeholders
- Ability to make a good and sustained decision
- Level of feedback from professor and classmates

Seminars
- Some students saw seminars, where they made their presentations, as the best part of the course

What would you suggest to improve?

Overall
- Some suggest there was nothing in need of improvement
- Greater number of practical sessions, where tools are applied and discussed

Lectures
- Greater number of lectures (e.g. on systems analysis)
- Slower rhythm allowing for a more detailed explanation of concepts
- Inclusion of examples of application of tools
- More fun and interesting
- Better attitude from lecturers

Project and home exam
- More feedback
- Clearer and more specific instructions and  exam questions
- Clearer connection between the group work and the theory taught in lectures
- Consider doing the home exam as a group

What advice would you like to give to future participants?

- "Are you ready for one of the most interesting courses of the year? I didn't hear you ! YES!"

Prior to the lectures
- Make sure to get an overview of the key concepts in the beginning of the course
- Do individual research on ESA tools on a daily basis by reading the items recommended in the reading list, including those on system thinking, which will make you better understand the lectures and the expectations for the project and exam

During the lectures
- Listen carefully, to critically analyse and understand the information given
- Try to connect the article you read and what the professor is telling you

Managing your project work
- Start early
- Dedicate sufficient time to project and be clear about your final decision
- Keep the project work efficient
- Try to work with people with different backgrounds and not the ones that you already know. It is very helpful to see different perspectives about the covered topics.
- Schedule many hours for working with the project
- Work together

Time management and workload
- Study more
- Start early
- Too low workload

Others:
- Very interesting course!
- Presencial lectures preferable
- The group work was very good and the support and response from the professor was also very good!

**SUMMARY OF STUDENTS' OPINIONS**
**Summarize the outcome of the questionnaire, as well as opinions emerging at meetings with students.**

Interesting and insightful course but with room for improvement:

Lectures
- students' questions could be limited to the end of the lecture
- more lectures
- good lecturers

Project
- clearer guidelines, with reference to examples
- very useful seminars
- more feedback

Exam
- extend coverage of tools to more than LCA and CBA
- generous timeline

Others
- more assignments in between
- knowledge gained by students is useful and will be applied in the future

**OVERALL IMPRESSION**
**Summarize the teachers' overall impressions of the course offering in relation to students' results and their evaluation of the course, as well as in relation to the changes implemented since last course offering.**

The course was a success and the students did extremely well and, in general, appear to have enjoyed the course.
As usual, there are things that can be improved, particularly increasing the number of practical lectures and giving more feedback.

**ANALYSIS**
**Is it possible to identify stronger and weaker areas in the learning environment based on the information you have gathered during the evaluation and analysis process? What can the reason for these be? Are there significant difference in experience between:**
**- students identifying as female and male?**
**- international and national students?**
**- students with or without disabilities?**

Stronger areas:
Exploration and own experience
2. I explored parts of the subject on my own
Understanding of subject matter
11. Understanding of key concepts had high priority
Collaboration
21. I was able to learn by collaborating and discussing with others
Weaker areas:
Feedback and security
14. I received regular feedback that helped me to see my progress
15. I could practice and receive feedback without being graded
Variation and participation
20. I had opportunities to influence the course activities

Female students appear to have enjoyed the course more than male students, and Swedish students appear to have enjoyed the course slightly more than international students.

**PRIORITIZED COURSE DEVELOPMENT**
**What aspects of the course should be developed primaily? How can these aspects be developed in short and long term?**

Two main aspects: more lectures and more feedback.
Lectures can be made more practical and group project can be supervised already in the next round.