

# Report - MH2051 - 2024-07-01

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

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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):**

parj@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.**

the students have been able to give their opinions in 3 ways:

1. As part of PRO1 they submitted "A reflection on how the course contents of the lectures meets the learning outcomes. Select relevant examples from lectures."
2. Discussions during the lectures
3. A LEQ was sent out

## 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.)**

The course has two important parts:

1. is the lectures where the students reflected on the content as part of the PRO1 assignment
2. In PRO2 the students were assigned a supervisor to guide them. Typically the student interacted with the supervisor every week

## COURSE DESIGN

**Briefly describe the course design (learning activities, examinations) and any changes that have been implemented since the last course offering.**

Goals

The course provides knowledge of:

1. Sustainable business and conditions for a circular economy
2. Materials and available resources (metals, ceramics, minerals, polymers and organic materials)
3. Natural raw materials. Exploration and environmental impact (metals and minerals)
4. Processing and recycling of materials (all materials)
5. Design, manufacture and use in a circular economy (all materials)
6. Recycling and reuse (polymers, ceramics, organic materials and metals)

After passing the course, the student should be able to fulfill the following learning goals:

- ILG1: Explain the different principles of circular economy and apply them to different materials. (PRO1)
- ILG2: Explain how properties of different processes and different materials contribute to a circular economy. (PRO1 + PRO2)
- ILG3: Analyze how changes in processes and / or materials composition affect sustainability goals and the conditions for a circular economy. A perspective includes technical, organizational as well as society's perspective. For higher grades, the student is required to adapt the analysis to the context of the problem. (PRO2)
- ILG4: Demonstrate the ability to independently solve problems, as well as the ability to present the solution orally and in writing. (PRO2)

Course requirements:

- IPRO1 - Seminar assignments, 1,5 credits, grading scale: P, F
- IPRO2 - Project assignment, 6,0 credits, grading scale: A, B, C, D, E, FX, F

## THE STUDENTS' WORKLOAD

**Does the students' workload correspond to the expected level (40 hours/1.5 credits)? If there is a significant deviation from the expected, what can be the reason?**

Cannot report due to that too few students answered

## 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?**

Out of the 15 students that registered for the course, 10 have completed all parts. The result was very good, since the students were very motivated. Eight students got a grade A and two students got a grade B. It should be noted that two more students are currently completing the assignments. They were late due to a sickness and a heavy work load at work.

The result was slightly better than normal. The main reason for this is that the students were all very motivated and worked hard.

## STUDENTS' ANSWERS TO OPEN QUESTIONS

**What does students say in response to the open questions?**

Cannot report due to that too few students answered

## SUMMARY OF STUDENTS' OPINIONS

**Summarize the outcome of the questionnaire, as well as opinions emerging at meetings with students.**

Cannot report due to that too few students answered

## 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.**

We are very happy with the course. The result was slightly better than normal. The main reason for this is that the students were all very motivated and worked hard.

**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?

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No

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**PRIORITIZED COURSE DEVELOPMENT**

**What aspects of the course should be developed primarily? How can these aspects be developed in short and long term?**

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Include a lecture on recycling of concrete to add that important material to the course. We are discussing with another department.

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