

Course analysis report – FAF3115 - 2023-03-22

Concrete and other cement based materials, 7.5 credits

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):

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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 course was given during February-May 2022, with 4 students from KTH, 3 from LTU, 1 from LTH and 1 from Chalmers. Feedback in open discussion was given as closure of each of the three 2-day seminars.

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.)

Feedback in open discussion was given as closure of each of the three 2-day seminars. A group discussion with open questions and with 5 of the students participating was arranged at the end of the course.

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

The course is given every 4th year as part of the Graduate school in Structural Engineering (Sveriges Bygguniversitet). Since 2017/18 the written exam has been replaced by a laboratory project carried out in groups. The course consist of three 2-day obligatory seminars with student and teacher presentations and discussions.

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?

The student group concluded that 7.5 credit was reasonable for the workload.

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?

All students participated in the obligatory seminars and in the project work. All passed the course.

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

The student experienced the course as very interesting, with lectures given by in all 9 teachers and researchers from KTH, LTU, LTH and Chalmers on their specialization within the area of concrete materials. The introduction of a laboratory project instead of a written exam received highly positive comments.

SUMMARY OF STUDENTS' OPINIONS Summarize the outcome of the questionnaire, as well as opinions emerging at meetings with students. Summary made in previous question.

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 very successful, both from an organizational and from a pedagogical viewpoint.

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?

The students were given sets of questions to be answered when reading the course literature. The presentation of these were not very time-efficient and a new seminar form for this course part must be developed.

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

The course will be given again in 2025/26, as part of the Graduate school in Structural Engineering (Sveriges Bygguniversitet). Further focus will be given on engaging teachers and key researchers in the course, with participants from the major technical universities but also from the industry and research institutes. The course project was successful and popular, and will be further developed.

OTHER INFORMATION Is there anything else you would like to add? N/A.