



Report - MH2252 - 2021-01-11

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):

Anders Eliasson, anderse@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 course have been evaluated by the statements in the LEQ evaluation. Four among seven students answered the LEQ.

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.)

No special meetings have been arranged, but the students could always communicate with the different teachers during the course.

COURSE DESIGN

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

Lectures followed by exercises by the same course topics
Computer/simulation task done in in Magmasoft and presented in an individual report
"Study visit" to a foundry followed by a presentation of different tasks from the study visit
Written digital examination by the course topics

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?

Yes!

The total amount of lectures/exercises/simulation task + the extra homework are in that neighborhood of the expected 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?

They performed very well.
All students passed the Computer task/Study visit/Presentation.
6/7 students passed either the ordinary or the re-exam.



STUDENTS' ANSWERS TO OPEN QUESTIONS

What does students say in response to the open questions?

Interesting concepts

I liked the "visit" to Scania as well

I like that the course includes both the conceptual aspect of casting and the actual calculation. All the lectures felt relevant and was a joy to attend (especially in contrast to online lectures in other courses...). I feel like I've really gained a lot of insight into the subject and would not be against working with casting in the future!

The taught on-campus classes were the best. The teacher was engaging, funny and clearly presented course concepts in clear and concise way.

The course worked with interesting topics that could easily be applied to real-world problems, i.e. nothing was too theoretical or abstract. I really appreciated the study visit with Scania!

SUMMARY OF STUDENTS' OPINIONS

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

The students liked the course and believe that the knowledge will be of great importance in their future career.

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 given blended, the lectures and the Scania "study visit" was at Campus but the exercises and computer labs were by distance, digitally. This worked out very well!

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 lectures should be recorded so that students who do not have the opportunity to participate gain knowledge about this as well. The meetings with the lab responsible would in opposite be at Campus and not digital since it is easier to ask questions in personal.

PRIORITIZED COURSE DEVELOPMENT

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

The first priority is a practical casting lab - which should be developed as soon as possible!

OTHER INFORMATION

Is there anything else you would like to add?

What advice would you like to give to future participants?

Start earlier on the computer laboration report; I thought it would take much less time than it did.

Learn the calculations early! Try to derive the equations yourself or at least follow along when the book does it to learn the tricks. There are always a lot of constants everywhere but ignore them (only in the beginning!) and focus on the structure of the equations and why each variable is where it is!

Start practicing with Magmasoft as soon as you can and attempt solving fully on your own all the exercises in the Materials Processing textbook used.

If you take this course on the TTMVM masters first year this period will be stressful. Which is sad because I wish I had had more time for this course since it is very interesting
