Report - MH2252 - 2022-12-07

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):

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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 have been evaluated by informal discussions with the students and by the statements in the LEQ evaluation (4/7 students have done the LEQ evaluation). Aspects of gender and disabled students were not investigated, however the gender balance in the course was five male and two female students (one international from Island!).

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 since the lectures were given at MSE/the Blue room, there was always an opportunity for the students to
talk to the course coordinator before and after the lectures.

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 voluntary exercises by the same course topics
Computer/simulation task done in in Magmasoft and presented as 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 (ILO)

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?

Not really!
The average reported workload was 6-8h/week. This is a little bit low for the expected workload (20h/week). The reason was likely that we changed the previously mandatory home-assignments to voluntary ones.

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?

The students rather well both on the written exam, the study visit/short presentation/seminar and the computer lab assignment. The results from the ordinary exam was 2/5 passed (3:FX, 1:D, 1:C)

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

This course had a good balance between reading and calculating which was nice. There were other courses during this time that had heavier reading required which took up more time than assigned.
It was fun to finally put use the knowledge from the Mikro- and Nanostructure & Metallic materials courses, and to deepen the knowledge. It was overall a good course.

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

The course gives a good overview and is a fun way to utilize knowledge from previous courses
This course was fun and I learned a lot. It felt like a lot of the theory I had learned from the past years finally came into practice.
The study visit! I've always enjoyed study visits, it's very exciting to see the industry up close.

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.

Based on the result from the examination the course did not go that well, but all students that wrote the ordinary exam did pass the examination with rather ok grades (D)
As normal, the students were genuinely interested and had a very high attendance at the campus lectures, but it seem that some courses (AK2036) took up more time than assigned.

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 course content and the overall learning activities seem too be well developed but there must be a better focus on the excesises and the computer tasks in future. All students seem to like/place the study visit as the best part of the course which is really nice, perhaps it can be developed?! The examination seem to be rather ok but should likely in future be examined in a less time demanding manner.

PRIORITIZED COURSE DEVELOPMENT

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

I think having the calculation on campus or as a live-session on zoom would help. Since there is a lot of other work in other courses with harsh deadlines, I was working every weekend with those courses (TaMos and Process Engineering). For that reason I didn't do the Home assignments in time. Having an actual class where we go through and learn the calculation methods would have been better for me atleast.

OTHER INFORMATION

Is there anything else you would like to add?

Try to do the home assignments when they are supposed to be done, and read each chapter continuously. Make bullet points of each concept. The few weeks leading up to the exam period are the most stressful, so try to do more at the start of the period.
Start with the computer assignment early and use the scheduled time to work with the assignment.
I think the powerpoints are very good, and it helps a lot to go through them at the end to make sure you have understood every concept.