



Report - AE2503 - 2019-01-31

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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COURSE DESIGN

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

Course is given as 8 lectures and 8 computer labs, with 8 graded reports (7 group reports and 1 individual) that count towards the final grade, and an open book examination. Grading criteria are used to grade reports (2 students in a group) and anonymous written exam. The exam was taking place in computer room, via Canvas. Feedback to reports was given by teacher, except for 1 report with peer feedback.

Changes implemented: use of concept maps to present the workflow during computer exercises.

Some computer labs took place before the related lectures, to encourage reading of course material and exercise instructions before coming to computer labs.

THE STUDENT'S 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?

The estimated workload is centered around 12-14 hours/week and upwards, which is reasonable.

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?

As the lab reports contribute to the final grade it is very seldom that a student that has submitted the reports and written the exam, fails the course. The majority of students reach B or C-grade.

OVERALL IMPRESSION OF THE LEARNING ENVIRONMENT

What is your overall impression of the learning environment in the polar diagrams, for example in terms of the students' experience of meaningfulness, comprehensibility and manageability? If there are significant differences between different groups of students, what can be the reason?

The response is mainly positive



ANALYSIS OF THE LEARNING ENVIRONMENT

Can you identify some stronger or weaker areas of the learning environment in the polar diagram - or in the response to each statement - respectively? Do they have an explanation?

One of the weakest was ability to get support if needed - probably connected to misunderstandings during some of the computer labs (due to sickness one lab was not assisted by the main teacher and students might have felt that some questions were not answered). Time stress during computer labs could also contribute, as well as performance of the software. International students were more critical regarding fairness of the assessment, and ability to discuss with others. Maybe because a few international students were not satisfied with the performance of their group. It is recommended to change groups but very few students did that.

ANSWERS TO OPEN QUESTIONS

What emerges in the students' answers to the open questions? Is there any good advice to future course participants that you want to pass on?

Grading structure can remain a bit unclear - as it is presented at the beginning of the course some parts are not easy to understand. Information in Canvas regarding how each lab report contributes to the final grade needs to be elaborated (for example, by adding a submission comment). Exam questions are not equally well understood by all students, and any misinterpretations would result in lower grades. Suggestion from students was to have E-level questions as a quiz instead, so the exam can focus on achieving higher grades. Course material like compendium and lab instructions can be improved further. Assistance during the labs needs to be improved and planned better.

PRIORITY COURSE DEVELOPMENT

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

Replace a number of lectures with discussion workshops where key concepts are addressed and clarified. Development of course material (lecture notes and compendium) during the course by involving the students: incorporate the result from workshops as well as making it easy for students to send in questions. Introducing quizzes to enhance learning (and maybe later even for examination). An extra course assistant during computer labs will be added.
