Report - SI2530 - 2024-06-14

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 has been evaluated using LEQ. Unfortunately, only 3 answers out of 24 were obtained.
However, in addition feedback from informal discussion with the student group and individual students has been collected.

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

The course consists of lectures, computer labs, and a final project.
The lectures give the theoretical background of the computational methods.
The computer labs give hands on experience of various simulation methods, and examples of their application.
The final project is a larger project that the students carry out individually. The students start by choosing a project from a list of suggestions, then implement a program, obtain some results and write a report.

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 workload during the course is very reasonable. How much work is put on the final project in the course varies a lot from student to student.

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?

Almost all students have passed the labs, but there are still some students that haven't handed in the final project.

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

Many students have appreciated the hand-on approach in the labs, which they found varied and interesting.
Some liked working with different programming languages. Others prefer familiar ones like python.

Computer labs Fridays 13-18 may not be suitable for everyone.
The lab instructions are sometimes confusing.

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

From discussions with students during labs and after the course, many of them seem satisfied with the course, and have found good use of what they learned in other courses or during their master project.

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.

My impression is that the students were very interested and ambitious.
For many it was difficult to completely finish the labs within the scheduled time, so maybe they are too lengthy.
Many students carried out very ambitious final projects.
Although the list of final projects were handed out earlier than in the previous course offering it is still mostly being carried out in period 2 after all lectures are finished.
This may be suboptimal. It is also the case that many students require some coaching of the final project.
This year the projects were classified according to the level of difficulty so that the students could better choose a project in line with their ambition. I think this made it more clear what the requirements for a particular grade was.

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

For the next course offering one more lecture has been added. This will help going deeper in the material and better prepare the students for the labs.
The work to improve and simplify the lab instructions and example programs needs to continue. Some labs should be converted to python, which is more familiar for the students.
The search for a good course book covering all aspects of the course should continue.

LEARNING EXPERIENCE

The polar diagrams below show the average response to the LEQ statements for different groups of respondents (only valid responses are included). The scale that is used in the diagrams is defined by:

1 = No, I strongly disagree with the statement
4 = I am neutral to the statement
7 = Yes, I strongly agree with the statement

Note! A group has to include at least 3 respondents in order to appear in a diagram.

Average response to LEQ statements - all respondents

— Medelvärde