Report - SI2530 - 2022-11-28

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. 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 of the students varied quite a lot, depending, to a great extent, on the student's prior experience to programming and scientific computations.
Many students had to work very hard and long to get the labs done, while some found it easier.

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 at the time of writing, but the final project is yet to be handed in.

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

The students found the course interesting and appreciated that it was lab-based.
The final project could perhaps be given out earlier in the course.
Some found the lectures a bit too packed with information.
Some would like to see more topics covered.
More connections on how the computational methods are used in research or industry.

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

The students generally seem satisfied with the course.

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.
I also think it is a bit unfortunate that the final project comes mainly after lectures and spills over to period 2.
It is also the case that many students require some coaching of the final project.

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

For this course round, which was the first for me, I began revising and changing some the labs. This work should continue.
Also, the list of final projects was completely revised, but there is room for further improvement.
Moreover, look out for a good course book covering all aspects of the course. This year two course books were recommended, but neither is optimal.

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.