

Course Analysis: SF2566/7, Project Course in Scientific Computing, 2017/8

Course Data • Project Course in Scientific Computing, SF2566/7, 6/7.5 ECTS

- Period 1-4, 2017/2018
- Responsibility: Michael Hanke
- Teaching hours:
 - Individual consultations: 10 h per student
 - Workshop: 2 h
- Registered students: 11
- Literature: Selected according to the individual project
- Performance index (according to VIS): 82%
- Examination index (according to VIS): 82%

Aim This course gives an insight into some current research area or some practical activity where computational methods have an important function. The course is designed individually depending on the prerequisites of the student, the interests of the students, and the teachers who are available.

After the course the student should have

- studied the theory in the area, both in textbooks and in scientific articles
- performed numerical experiments, preferably on some real world problem
- summarized the experiences orally and written.

Changes compared to the last year The number of participants in these courses have reached a critical value such that the organization is done more formal. In contrast to earlier editions where the students could start at any time of the academic year the common start for all participants is only two times a year. Moreover, this enabled the introduction of a poster and lecture workshop.

Conclusions This kind of course is extremely well estimated by the participants. This concerns both the contents, methodology, and outcome (including presentation techniques). Almost all projects concern the application of computational methods in real world problems.

Even if the grading was finally estimated fair and honest, surprisingly enough, the grading criteria do not seem to be well known in advance.

This year, some students had problems to find a suitable project. The base of available projects will be increased, however, this does not fully correspond to the course's purpose.

Teaching Most of the time, the students are working individually. Once a week or every other week, the students meet individually with the teacher/examiner in consultations.

Examination The project was examined by a written report and an oral presentation in a workshop.

Prerequisites No problem since the project is selected depending on the student's skills.

Planned changes None.

Grading No problems.