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Sammanställning för "Scattering Methods", KEMM67 & EXTN85, VT 2022

Kursansvarig: Anna Stradner (Division of Physical Chemistry)

Övriga lärare: Andrew Jackson (ESS and Division of Physical Chemistry); Peter Schurtenberger (Division of Physical Chemistry); **Lab assistants:** Jennifer Gilbert and Nikol Labecka (both Division of Physical Chemistry).

Antal studenter: 5 registered master students plus 5 PhD students registered with course responsible

Betyg: 1 st UK, 5 st G, 3 st VG.

Utvärdering

I. Sammanfattning av kursvärderingen

Totalt antal svar: 1-2 master students (out of 5) and 3 PhD students (out of 5) have responded to the questionnaires. Discussed here is the result of the PhD student questionnaire.

Kort sammanfattning av resultatet:

- On average the students graded the quality of the course as very good: average of 4.3 for the *lectures*, 5.0 for the *computer lab exercises*, 5.0 for the *scattering lab projects* and 4.7 for the *literature*, on a scale from 1 (very low) to 5 (very good).
- Similar results are obtained when grading the quantity (4.0 for *lectures*, 5.0 for the *computer exercises*, 5.0 for the *scattering lab projects* and 4.7 for the *literature*), on a scale from 1 (very low) to 5 (very good).
- Also the information/communication work during the course was regarded as good to very good (average 4.3 for *teacher availability*, 5.0 for *lab assistant availability*, 4.3 for *communication between teachers* and 4.3 for *communication on Canvas*, on a scale from 1 (very bad) to 5 (very good)).
- The students on average perceive the different components of the course as very helpful in the learning process: clear and distinct course literature: 3.3; helpfulness of lectures: 4.0; helpfulness of computer exercises: 4.0; helpfulness of lab projects: 4.0; structuring and instructions for lab projects: 4.0, on a scale from 1 (not at all/bad) to 4 (very much/very good).
- The students think that the examination reflected the syllabus of the course very well: average grade 4.3 (on a scale from 1 (very little) to 5 (excellent)).



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- The students considered the course relevant to their programme: average grade 4.3 (on a scale from 1 (no, not at all) to 6 (yes, completely)).

II. Lärarlagets kommentarer

All the teachers were satisfied with the course taking into account the fact that it had to be performed as a distance course via Zoom again.

III. Utvärdering av förändringar sedan förra kursen

As the considerable changes that had already been incorporated in the 2019 course based on the 2018 course feedback (additional double lecture on general scattering theory; better coordination and harmonization between lectures and computer lab exercises; more time to hand in experimental reports) had been very well received in 2019, 2020 and 2022, no major changes related to course content had been made in 2022 compared to the years before. However, the special circumstances (safety regulations due to the pandemic) had *i.a.* an enormous impact on the student-teacher interactions during lectures (online) and the computer lab exercises (online). The scattering lab exercises were performed in person in very small groups.

IV. Förslag till förändringar till nästa kurs

We plan to react on the comments given by the students in the comment section, where they state that there was “Too little time for discussions” under “What has been bad”, and suggest to “Pre-record the lectures and have seminars instead” under “How can we improve?”.

We will thus pre-record some of the introductory lectures and add a double lecture for discussions only to the schedule for 2023.

3. 8. 2022, sammanställning är gjord av Anna Stradner

Sammanställningen mailas till utbildningsadministratör Annelie Raimer:
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