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## Sammanställning för "Scattering Methods", KEMM67 & EXTN85, VT 2021

**Kursansvarig:** Anna Stradner (Division of Physical Chemistry)

**Övriga lärare:** Andrew Jackson (ESS and Division of Physical Chemistry); Peter Schurtenberger (Division of Physical Chemistry); Oskar Berntsson (MAX IV); **Lab assistants:** Marija Dubackic and Guanqun Du (both Division of Physical Chemistry).

**Antal studenter:** 5 registered master students [plus 3 participants (PhD students/postdoc) registered with course responsible and without the intention to take the exam]

**Betyg:** 3 st G, 2 st VG.

### Utvärdering

#### I. Sammanfattning av kursvärderingen

Totalt antal svar (only master students): 4 students (out of 5) have responded to the questionnaire.

#### *Kort sammanfattning av resultatet:*

- On average the students graded the *quality of the course as good*: average of 4.0 for the *lectures*, 3.5 for the *computer exercises*, 2.5 for the *lab projects* and 4.0 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*, 4.3 for the *computer exercises*, 3.3 for the *lab projects* and 4.8 for the *literature*).
- Also the *information/communication work* during the course was regarded as *good* (average 4.8 for *teacher availability*, 4.0 for *lab assistant availability*, 3.8 for *communication between teachers* and 4.5 for *communication on Canvas*, on a scale from 1 to 5).
- The students on average perceive the different components of the course as *helpful in the learning process*: clear and distinct course literature: 3.0; helpfulness of lectures: 3.5; helpfulness of computer exercises: 3.0; helpfulness of lab projects: 3.3; structuring and instructions for lab projects: 2.5, on a scale from 1 (not at all/bad) to 4 (very much/very good).
- 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



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All the teachers were satisfied with the course taking into account the fact that this time it had to be performed as a distance course via Zoom, due to the pandemic.

### **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 and 2020, no major changes related to course content had been made in 2021 compared to the year before. However, the special circumstances (very strict safety regulations due to the pandemic) were very challenging for both the students and the teachers/lab assistants and had *i.a.* an enormous impact on the student-teacher/lab assistant interactions during lectures (online lectures only) as well as and particularly during the computer lab (online only) and scattering lab exercises (mostly online).

### **IV. Förslag till förändringar till nästa kurs**

No major changes are planned for next year. We hope however that the pandemic will be under control and have no/less impact on the course performance.

9. 8. 2021, sammanställning är gjord av Anna Stradner

*Sammanställningen mailas till utbildningsadministratör Annelie Raimer:*  
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