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## **Sammanställning för "Molekulär kvantmekanik" (KEMM58) VT 2021**

**Kursansvarig:** Valera Veryazov

**Övriga lärare:** Joel Creutzberg, Ernst D. Larsson

**Antal studenter:** 4 registrerade studenter (2 deltog i kursen) och 4 PhD studenter

**Betyg:** 5 st G, 1 st VG

### **Utvärdering**

#### **I. Sammanfattning av kursvärderingen**

Totalt antal svar: 1 master student and 2 PhD students. Due to small numbers of responses and rather equal outcome from the evaluation, the report is combined for both groups of students.

##### *Kort sammanfattning av resultatet:*

Comments are mostly positive for all components (lectures, seminars, labs): students like the content and the way how the information was presented, although it was mentioned that some material was a bit too difficult to understand. But in the same time the workload was spread evenly and all components of the course were well prepared and presented.

The suggestions for the improvements include recording the lectures and improved instructions for labs.

It were no complains about remote education.

#### **II. Lärarlagets kommentarer**

Teachers agree with the evaluation. The evaluation was unusually positive. From other hand not all students take part in the evaluation.

This year was the first time then all elements, including labs, were completely remote via ZOOM. Some elements of the course, for instance, in-class quiz was transformed into canvas assignments. In general, it was much more difficult to involve the students into discussions about the subject.



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The suggestion to record the lectures will be considered for the future. From other hand, students did not complain about the amount and the content of the materials provided for the course.

### III. **Utvärdering av förändringar sedan förra kursen**

We constantly improving the slides and other materials, as it was suggested previously, but the process is the on going development. All materials are available at Canvas.

As it was planned earlier, some modifications were implemented: a new lab, about point group symmetry has been implemented. A new design for remote submission of calculations during the labs has been implemented and used. A new set of exercises related to the final part of the course has been created. Some changes were implemented during the course, reflecting the need to change the interaction with students due to ZOOM based education.

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

We plan to continue the revision of the instructions for labs and seminars, in particularly we will focus on making small tasks, to be checked as Canvas-style assignments.

2021-04-06, sammanställning är gjord av: Valera Veryazov, Joel Creitzberg, Ernst D. Larsson.

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