Kursanalys för SK2411

Datum för kursanalysen	2023-04-20

Sida 1: **Kvantitativ analys**

Läsår:	2022
Läsperiod(er):	P3

Kursansvarig:	Valdas Pasiskevicius
Lärare: Föreläsare	Valdas Pasiskevicius
Övningsassistenter	Martin Brunzell
Labbassistenter	Fredrik Laurell, Yaqun Liu
Övriga inblandade lärare	Max Yan

Antal registrerade studenter	15
Prestationsgrad,[*] % (t.o.m. ovan datum)	87 %
Examinationsgrad,[**] % (t.o.m. ovan datum)	87 %

[*] Antalet presterade poäng hittills på kursen dividerat med antalet möjliga poäng för de registrerade studenterna vid gällande datum.

[**] Andel studenter av de registrerade som klarat samtliga kurskrav vid gällande datum.

OBS! När du skickar in din kursanalys, <u>bifoga aktuell kursplan</u>.

Sida 2: **Kvalitativ analys**

Kursens pedagogiska utveckling

Redogör för eventuella förändringar införda utifrån förra årets kursanalys.

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1. Lecture notes have been updated with new developments in the field.

2. Solid state laser lab was refurbished.

3. New homework tasks were composed.

4. Lab group signup was arranged using Canvas tools.

5. The course website was continuously updated.

Studenternas syn på kursen

Redogör för studenternas syn på kursen (dokumenterad genom kursenkät, kursnämndsmöten, intervjuer och/eller annan lämplig metod).

The student questionnaire was given during the exam. All students provided answers. The statistics are shown below.
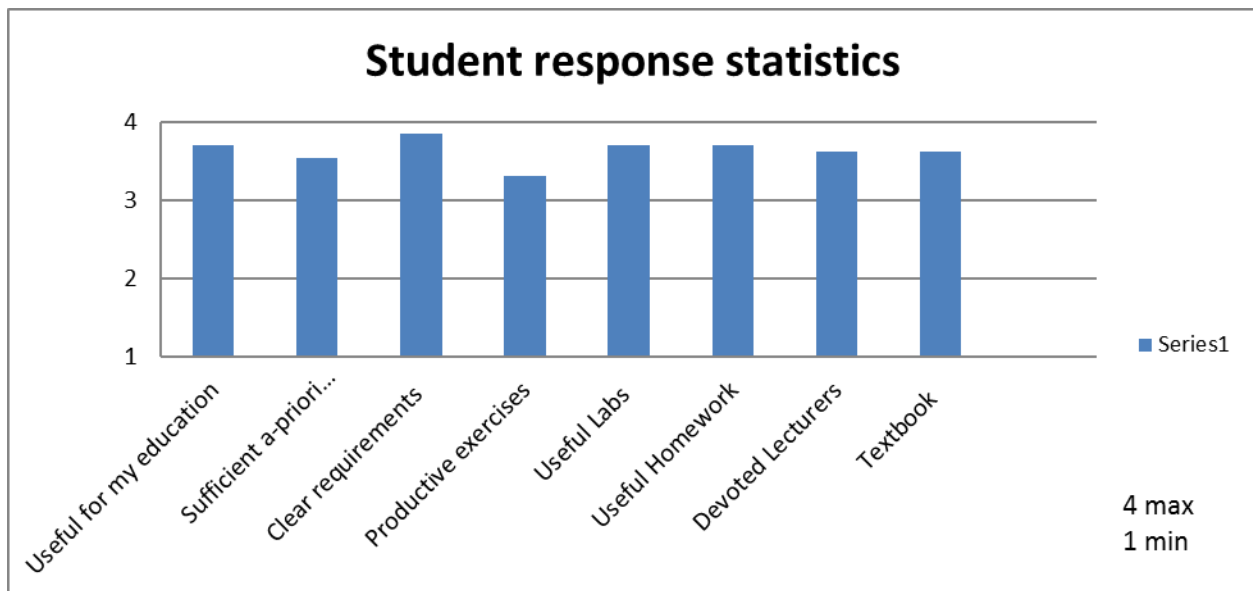
From the answers, it is clear that the students were motivated by the value of the course for their education. The course requirements were clear. The students appreciated labs, especially the solid-state laser lab. Homework assignments, as in previous years, are proving to be a good tool for enticing more continuous study and self-assessment during the course. A few students felt that their previous background knowledge could have been deeper, although they had sufficient knowledge to complete

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the course successfully. The reason for not completing the course was stated as being due to overload with different other commitments. The efficiency of the exercise sessions could be further increased.

Kursansvarigs syn på kursen

Sammanfatta hur utförandet och resultatet av kursen gått, samt tolka/analysera studenternas syn på kursen.

The course in 2022 experienced a substantial increase in student numbers. All were motivated. Part of the students previously took the course on Light-matter interaction which helped them gain an easier and deeper understanding of the material in the Laser physics course. The labs are, as always, appreciated, although their upkeep requires resources. Let's hope that the department will help with some small funds. The exercise sessions could be more motivating. Possibly the motivation could be increased by posting homework assignments before each session. This time, The lab groups were assigned using a Canvas Group set tool instead of Doodle. The Canvas tool is functional but suboptimal as it resides under the "People" header, which, ideally, should not be accessible to students. Unfortunately, Canvas does not provide other ways to set groups. The exam results were good, and all students who took the exam passed it. The task load for the open-book exam was appropriate so that the results reflected students' preparation level and performance throughout the course as monitored by the outcomes of home assignments.

Förändringar inför nästa år

Föreslå vilka förändringar du planerar att göra för att främja kursens pedagogiska utveckling och kvalitet.

Homework assignment personal evaluation using speed grader. Optimize the lab groups assignment procedure, if possible, through Canvas.