Kursanalys för SK2411

Datum för kursanalysen	2021-04-20

Sida 1: **Kvantitativ analys**

Läsår:	2021
Läsperiod(er):	P3

Kursansvarig:	Valdas Pasiskevicius
Lärare: Föreläsare	Valdas Pasiskevicius
Övningsassistenter	Patrick Mutter
Labbassistenter	Fredrik Laurell, Kjell Moelster
Övriga inblandade lärare	Max Yan

Antal registrerade studenter	6
Prestationsgrad,[*] % (t.o.m. ovan datum)	100 %
Examinationsgrad,[**] % (t.o.m. ovan datum)	100 %

[*] 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**
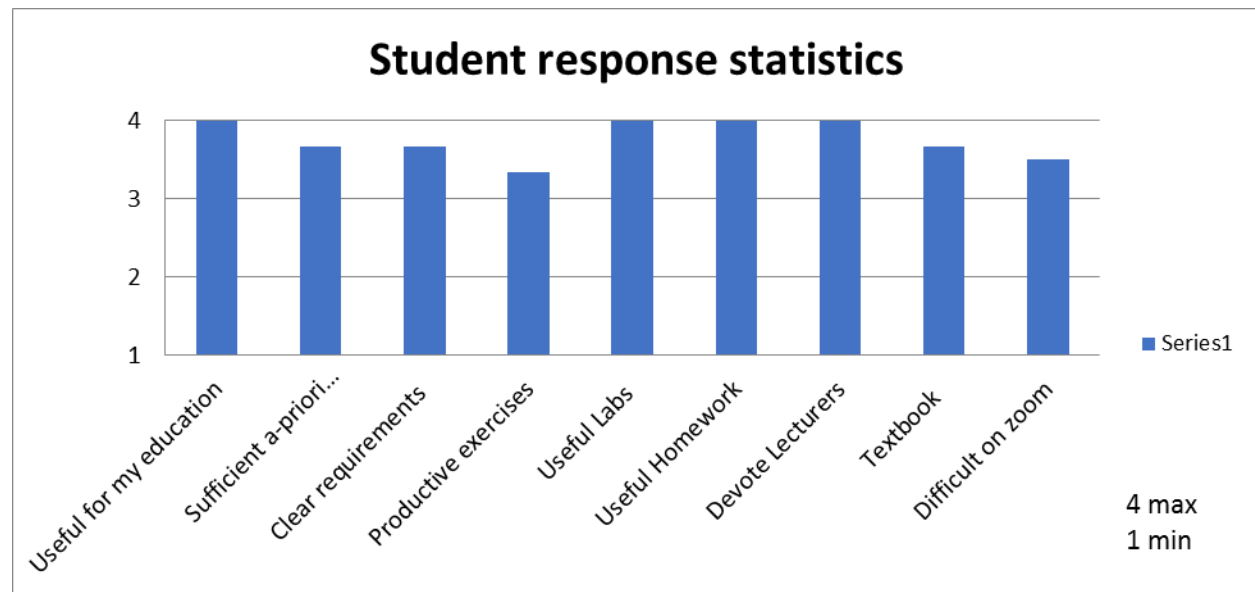
Kursens pedagogiska utveckling

Redogör för eventuella förändringar införda utifrån förra årets kursanalys.

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

2. Lectures, exercises and exam online. Labs in person. Nobody got sick.

3. Lecture slides were completely reworked to adapt to the online course format.

4. Exam composition was changed and adapted to open book exam.

5. The course material flow was changed from 2020.

6. 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 has been given during exam. All students provided answers. The statistics is shown below.

Student response statistics

Series1

4 max
1 min

From the answers it is clear that the students perceive the course as very useful for their education and their future careers. Some students felt that their background knowledge in optics could have been

better. The labs were very appreciated. The textbook and the course materials were considered as very complete. Online exercise sessions had some technical issues when writing is done live on camera. There were suggestions to solve less but more fundamental tasks during exercises. Homeworks were appreciated by all students. Zoom lectures were attended very well and, according to the poll were well appreciated and understood by vast majority of students. Although there was one comment that it is hard to stay focused on zoom lectures. On the whole course, one student commented: "Very good course overall!"

Kursansvarigs syn på kursen

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

2021, lets hope, is an exception. All moments, except labs, were online. This mandated complete rework of visual course materials. There was no technical support from department with regards to live exercise sessions so we had our own improvised. It worked reasonably well, considering that an alternatives either using multicamera broadcast or pre-recorded edited session would have required much more resources than we could hope to have. It is not obvious that the learning outcomes would have been dramatically better. The learining progress was monitored continuously with homeworks. It showed that students understood the material and, in the end were able to connect different parts of the theoretical concepts and apply for solving more complicated tasks. As in 2020 we see all attending students very motivated and eager to learn. This was reflected in high exam scores.

Förändringar inför nästa år

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

Return to in-person instruction. The benefit of the work done on course in 2021 will be much higher quality visual materials compared to the previous years. This complements well the textbook material, expands it and places into a context of important applications.