



## KURSANALYS

- kursansvarigs summering och reflektioner

Denna blankett fylls i av kursansvarig efter avslutad kursomgång.

Kursanalysen anslås på KTH:s webb under rubriken Kursens utveckling och historik, på Kursinformationssidan

Kurskod: EQ2330	Kursnamn: Image and Video Processing	
Läsår: 2023/2024	Period: P2	
Högskolepoäng: 7.5 ECTS	Antal studenter: 22	Svarsfrekvens kursvärdering: 18,2%
Examinationsgrad/prestationsgrad: A-F	Läraktiviteter: Lectures, tutorials, preparation assignments, peer reviews, group projects with reports; all activities in the classroom plus live streams and recordings of lectures.	
Examinationsmoment fördelade på högskolepoäng: Assignments 1.5 ECTS; Group Projects and Final Exam 6 ECTS		
Undervisande lärare: Markus Flierl		
Examinator: Markus Flierl		
Kursansvarig lärare: Markus Flierl		

### Beskrivning av eventuella genomförda förändringar efter tidigare kursanalys

Lectures and tutorials in the classroom. A new teaching assistant has joined. To enhance the learning, the lectures are also offered as live streams and as recorded videos on Canvas. The new teaching assistant organized new peer review and peer discussion sessions.

### Sammanfattning av kursdeltagarnas svar på kursvärderingen

Grafer och citat från kursvärderingen kan läggas som bilaga om så önskas

Some quotes from the survey:

“The best aspect was the projects.” “Perform the projects well, they teach a lot.”

“Reading guideline on each lecture is clear.” “Focus more on understanding instead of memorizing concepts, because textbook and lecture notes are allowed to the final exam.”

“The tutorials were quite good.”



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Students found that they work with interesting issues (grade 6 out of 7). They also found that the assessment on the course was fair and honest (grade 6.8 out of 7). Students were able to learn by collaborating and discussing with others (grade 6.5 out of 7). Also, they were able to get support, if needed (grade 6.5 out of 7).

Overall, the students valued the group project work and the collaboration. Classroom teaching as well as the online lecture videos appeared helpful. The projects throughout the course require time, but they facilitate continuous learning and are considered as very valuable.

These group project works are reviewed by the teaching assistant and we give feedback to the students. Moreover, they will give bonus points for the final exam. One student suggested to give more details when giving feedback on each group project. Here we have to strike a balance. In general, we give the necessary feedback. But if students are still unclear, they can talk to the teaching assistant and ask for more details. We will clarify this in the next course round.

### **Kursens starka sidor utifrån kursvärderingen och lärares reflektion, även i förhållande till de förändringar som genomförts inför kursomgången**

We have offered the lectures in the classroom, via live stream and as recorded videos. This has been appreciated by the students. The strength of the course is the strong group project component that allows for collaborative learning and practical experience with the course material. The recorded lecture videos and the online course material gave the students more opportunities for learning.

### **Kursens svaga sidor utifrån kursvärderingen och lärares reflektion, även i förhållande till de förändringar som genomförts inför kursomgången**

The course is demanding due to the wide field of image processing and the work necessary to gain hands-on experience with image processing algorithms. Hence, we have to limit the course to selected topics and group projects. Depending on the background and the prior hands-on experience of students, the individual workload of students can vary significantly.

### **Ansvarig lärares sammanfattande synpunkter**

Classroom activities, live online lectures and recorded lecture videos enhanced the learning. Group projects and collaborative learning activities fostered continuous learning. The group projects were appreciated by the students. The new teaching assistant handled the course very well and students appreciated the tutorials.



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### **Förslag på eventuella förändringar av kursen**

The recorded video lectures appear to be helpful for learning. We plan to offer improved recordings as well as enhance peer review and peer discussion activities during the tutorials. We may use more examples that can be discussed step-by-step.

**Kursansvarig:**