Denna blankett fylls i av kursansvarig efter avslutad kursomgång.
Kursanalysen anslås på KTH:s webb under rubriken Kursens utveckling och historik, på
Kursinformationssidan

Kurskod: EQ2845	Kursnamn: Information Theory and Source Coding	
Läsår: 2022/2023	Period: P3	
Högskolepoäng: 7.5 ECTS	Antal studenter: 13	Svarsfrekvens kursvärdering: 31%
Examinationsgrad/prestationsgrad: *A-F*	Läraktiviteter: Lectures, tutorials, homework assignments; all activities have been offered in the classroom. Online participation was possible.	
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

Back to teaching in the classroom. Some students preferred online activities. Therefore, we offered live video sessions for lectures and tutorials. We published new video lectures and tutorials as well. We organized collaborative working sessions. The new TA Shudi Weng joined the course.

Sammanfattning av kursdeltagarnas svar på kursvärderingen
Grafer och citat från kursvärderingen kan läggas som bilaga om så önskas

"The course workload is not easy, but very reasonable. You can learn a lot from the homework, and lecturer gives you enough time to solve the problems. But it would be busy if you are taking other 2 technical courses at the same time."

"The course is well-structured and organized, with clear materials for students to refer. And the homework offered practical knowledge to implement the theory knowledge into industry world. Overall, the course was a positive and enriching experience that provided students with valuable knowledge and skills."

"The course is interesting and challenging, the future participant would be better taking most of 2 courses in total of the same period, if he/she want to learn the course."

"I really like problems combining mathematics and computer science, that I can solve and think using mathematical ideas and implement it into the the real world."

"The content is very effective and aligning a lot with the realistic and cutting-edge problems and methods."

"TA and lecturer are very helpful"

"The lecturer Markus is very nice, he is always very patient to answer your question, and listen to your words and ideas."

Overall, the students found the course challenging and very valuable. Assignments and discussions have been useful. Classroom teaching as well as the online video material appeared helpful. The new TA did a very good job.

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

The course offers both in-depth theoretical concepts and relevant engineering applications. Homework assignments have to be submitted regularly and we follow up with feedback. As these assignments give bonus points, they will count toward the final course grade. This fosters continuous learning. Moreover, we give the opportunity to work on session problems in groups. The TA is available for discussion and feedback. The classroom activities as well as the recorded videos give the students more opportunities for individual learning.

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

It is still a challenge to engage all students in activities that are helpful for individual learning. Time for such activities is limited during the TA sessions. Most of the students stay on track and submit the assignments regularly. Weaker students need more encouragement to complete all assignments in order to be well-prepared for the exam.

Ansvarig lärares sammanfattande synpunkter

Overall, this course round was successful. The classroom activities, the live online sessions and the recorded videos helped significantly. Regular homework assignments with feedback and collaborative learning activities fostered continuous learning. Students valued a close and intensive collaboration.

We challenged students with interesting topics and assignments. The recorded videos gave the students more opportunities for learning.

Förslag på eventuella förändringar av kursen

The recorded live videos give the students more opportunities for learning. The goal is to offer the videos also in future course rounds. We continue to engage all students in activities that are helpful for individual learning.

Kursansvarig: