



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:EP2200	Kursnamn: Queuing theory and teletraffic systems	
Läsår: 2019	Period: 3	
Högskolepoäng: 7.5	Antal studenter: 28	Svarsfrekvens kursvärdering: 42.86%
Examinationsgrad/prestationsgrad: 90%	Läraktiviteter: lectures, recitations, home assignment, project	
Examinationsmoment fördelade på högskolepoäng: INL1 - Assignment, 1.5 credits, Grading scale: P, F TEN1 - Examination, 6.0 credits, Grading scale: A, B, C, D, E, FX, F		
Undervisande lärare: Viktoria Fodor, Lamia Varawala		
Examinator: Viktoria Fodor		
Kursansvarig lärare: Viktoria Fodor		

Beskrivning av eventuella genomförda förändringar efter tidigare kursanalys

This year the first lecture has been updated to provide more up to date examples of the use of queuing theory, in different application areas.

Sammanfattning av kursdeltagarnas svar på kursvärderingen

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

The course in general receives grades of 5.5-6 on the 7 grade scale. From the answers it is visible that students who like mathematical tools and abstraction in general, also like to course, appreciate the material and the teachers. At the same time the course is compulsory also for students who are interested in system design and development. These students have more negative opinion. The course performs weak considering two points: the possibility to learn in different ways and the opportunity to collaborate and discuss with others.



KURSANALYS

- kursansvarigs summering och reflektioner

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

Some students were very positive about the course content, and felt motivated after the first lecture. We believe that mathematical modelling skills are important for students working with networks and computing systems, while the majority of the courses in these curriculums is system development and architecture design oriented. We will continue to improve the course so that student feel motivated to follow the lectures.

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

At the same time, some of the students still feel that the material is outdated. In the coming years we will give more motivating examples and point to related web resources, that emphasize the importance of the topic, considering the areas of networking, computing, but also general dimensioning and resource allocation issues in, for example, healthcare.

The course material still have some notation mismatches. These should be corrected for the next course round.

Ansvarig lärares sammanfattande synpunkter

Queuing theory always covered application areas in computing, networking, but also of resource sharing systems of business and society. The main focus in the last decades was on networks and networked systems. This focus is changing now, due to the increasing role of large computing systems, as well as the digitalization of the society, from the transport to the healthcare sector. Our main objective in the coming year will be to modernize the course, considering these changes.

As for the pedagogical tools, the course is a traditional lecture based course, and will keep it this way. The material is challenging enough to motivate teacher given lectures. At the same time we will plan learning activities that foster more collaboration among the students.

Förslag på eventuella förändringar av kursen

We do not plan any structural change in the course. However, small improvements will be introduced, such as: motivating examples, and motivating problems also in the home assignments, and earlier use of mathematical software. Eventually we will introduce activities that lead more interaction among the students.

Kursansvarig: Viktoria Fodor