Course analysis of SF1904 Markov Processes, 3 hp.
Martina Scolamiero
Period 4, VT22.

Overview of the course

Teacher and examinator: Martina Scolamiero.

Exercise session leaders: Joar Bagge and Mats Ögren.

Students: The registered students are 129 and they come from different study programs including: Degree Program in Energy and Environment (CENMI), Degree Program in Industrial Engineering and Management (CINEK), Degree Program in Industrial Technology and Sustainability (CITEH), Master of Science in Engineering and in Education (CLGYM), Degree Program in Mechanical Engineering (CMAST), Degree Program in Engineering Physics (CTFYS).

Course literature:

- Jan Enger, Jan Grandell: Markovprocesser och köteori

A list of recommended exercises as well as a detailed description of the sections of the book that have been covered can be found on the Canvas web page of the course.
Summaries of useful course content for exercise sessions was prepared by Mats Ögren and available on the web page of the course. Video recordings from the previous year by Björn-Olof Skytt were also available on the course web page.

Course web page: https://canvas.kth.se/courses/27516

Teaching

Lectures: There were 6 lectures based on the course book. The teacher used the blackboard and slides to present. Slides were available on the course website for the students to follow.
Exercise sessions: There were 8 exercise sessions covering exercises from the course book. The exercise session leaders used the blackboard to present solutions to the problem, engaging students in the discussion.

Exam

The examination is a written exam consisting of 5 exercises and the allocated time for the exam is 5 hours. Each correctly solved exercise gives 10 points. A minimal score of 20 is needed to pass the exam. The preliminary number of points needed for each grade is as follows: A 43, B 38, C 32, D 26, E 20. Students with a 18 or 19 points are given the opportunity to complete the exam via an extra exercise to be arranged with the lecturer.

Exam results

An exam is offered on 30/05/2022 and a re examination is offered on 19/08/2022. Of the 129 registered students, 3 resigned and 109 registered for the exam. 94 students passed the course with the following distribution of grades.

A	B	C	D	E
32	20	14	11	17

Course survey

We sent in a KTH Learning Experience Questionnaire v3.1.4 with 22 questions via KTH social, in July 2022. The number or respondents to the survey was 6. Overall the students percieved they have been working with interesting topics and that the course was challenging in a stimulating way, the assessment of the course was also thought to be fair and honest. Some of the comments were: "Många roliga uppgifter", "Tyckte att kurslitteraturen var riktigt bra och lärorik, "Superintressant innehåll". The possibility of having recorded lectures was also appreciated by those who could not attend the lectures. Room for improvement for the course can be seen in allowing the students to interact more with each other and allowing them to get feedback without being graded.