

Kursrapport MM5020 Matematik III - Abstrakt algebra ST26

Antal respondenter: 2
Antal svar: 1
Svarsfrekvens: 50,00 %

. Beskrivning av kursupplägget.

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The course is an introduction to abstract algebra and covers:

- the axiomatic definition of groups and their basic theory
 - group actions
 - Sylow's theorems
 - the classification of finitely generated abelian groups
 - an introduction to rings and ideals
 - a study of polynomial rings
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. Kursens fördelar, beakta studenternas uppfattning i kursutvärderingar.

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This course is one of the first steps into abstract mathematics, where new structures are defined axiomatically and studied in depth. It is a milestone in any student's mathematical education.

In general, past students have found the course interesting and about a genuinely new subject and way of thinking for them. The homework problems were also appreciated.

. Kursens nackdelar, beakta studenternas uppfattning i kursutvärderingar.

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The subject is abstract at first, and the learning curve might be steep.

The online format makes it challenging to concentrate on the lectures for many. The course thus requires a good maturity to be able to self-study with the textbook.

. Slutsatser samt förslag till förbättringar.

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Students have suggested that some lectures could be held in person for those in Stockholm and streamed for the others. The vast majority of students did not use the opportunity to come to office hours, so another way of engaging with the material with the lecturer should be found. (Though nothing was suggested in the course evaluations.)
