

Kursrapport MM5020 Matematik III - Abstrakt algebra VT24

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

. Beskrivning av kursupplägget.

Beskrivning av kursupplägget.

This is a first course in abstract algebra covering deep results as Sylow theorems and field extension. It is proof based and student are asked to perform small proofs in the exam.

. Kursens fördelar, beakta studenternas uppfattning i kursutvärderingar.

Kursens fördelar, beakta studenternas uppfattning i kursutvärderingar.

It is really nice math to teach and some of the students are really passionate and engaged.

. Kursens nackdelar, beakta studenternas uppfattning i kursutvärderingar.

Kursens nackdelar, beakta studenternas uppfattning i kursutvärderingar.

It is a bit of a shock to students. This is one of the first class in REAL math in which they are supposed to read the books, and make small proofs.

The exam is harder than exams that student had to challenge in the past because it has just few standard exercises. The other exercises are small proof, perfectly accessible if student have some mastering of the theoretical material. But there is no algorithm or method to learn. However, some students have trouble understanding if they are proving something or not and have only a slight idea of what is a correct argument.

My TA told me that student were not solving exercises on their own beside the homework exercises, but they were waiting for the TA to solve them for them. This is not how one prepare for the exam... and student at this level should know it...

It is evident that they do not really know how to read a math book and they do not really know how to present proofs on a blackboard.

Response rate to evaluation is very bad, just 8 student against more than 20 graded exams.

. Slutsatser samt förslag till förbättringar.

Slutsatser samt förslag till förbättringar.

Teach the student to read math earlier in the program.

When I will give the course again I will give much harder homework - and more homework sets, I am thinking about a small set every week, so that the students work a little every week.
