Theoretical Project in Linear Algebra 2, Spring Term 2017

Students in Linear algebra 2 on the Bachelor’s programme in Mathematics and students in the stand-alone course are hereby given the opportunity to do a theoretical project in linear algebra instead of a computer project. This does not apply to students on the Physics or Teaching programme.

Students interested in doing the theoretical project should form groups of 2–3 people. The group should then decide upon one chapter in the textbook in linear algebra written by me. The contents of that chapter should be presented to me orally and on the blackboard in a structured manner. The presentation should include important definitions and theorems and you should supply proofs of a few of the most important theorems. Your selection of definitions and theorems should be a good summary and catch the spirit of the chapter.

Details

• Form your group of 2–3 people and choose one of Chapters 2–6. Send an e-mail to me (Kjell.Elfstrom@math.lu.se) **no later than 30 January** and inform me about your group members and your choice of chapter. Make sure to include the e-mail addresses of all the group members.

• Work together on your presentation.

• Do your presentation according to the schedule below. You will receive an e-mail with the exact time soon after 30 January. Your presentation should last for approximately one hour. You should be able to do most of your presentation without a manuscript. All group members must contribute.

  Chapter 2  Wednesday, 8 February
  Chapter 3  Wednesday, 15 February
  Chapter 4  Wednesday, 22 February
  Chapter 5  Wednesday, 1 March
  Chapter 6  Wednesday, 8 March

Kjell Elfström