Foundations of Algebra, Spring Term 2017

Programme 24 April – 12 May

Lecturer: Kjell Elfström.
Course literature: Kjell Elfström, Foundations of algebra, handed out free of charge at the introductory meeting.
Assessment: The module is assessed through a written examination and a project consisting of four assignments. To obtain Pass with distinction, it is required in addition to pass an oral examination with a sufficiently high mark.

Monday 24/4
Lecture: 8.1–8.3 combinatorics.
Seminar: 7.33, 7.34, 7.35, 7.36, 7.37, 7.38, 7.40, 7.43, 7.44, 7.45.

Thursday 27/4
Deadline at 12:00 for the second assignment.
Lecture: 8.4–8.5 the binomial theorem, Dirichlet's box principle.
Seminar: 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 8.11, 8.14, 8.15.

Wednesday 3/5
Lecture: 9.1–9.3 complex numbers.
Seminar: 8.16, 8.18, 8.20, 8.21, 8.23, 8.24, 8.25, 8.28, 8.36, 8.37, 8.39.

Thursday 4/5
Deadline at 12:00 for the third assignment.
Lecture: 9.4–9.6 complex numbers.

Monday 8/5
Lecture: 10.1–10.3 polynomials.

Wednesday 10/5
Lecture: 10.4–10.5 polynomials.
Seminar: 10.1, 10.2, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8.

Thursday 11/5
Deadline at 12:00 for the fourth assignment.
Lecture: 10.6–10.8 polynomials (10.8 cursorily).
Seminar: 10.9, 10.10, 10.13, 10.15, 10.16, 10.18, 10.19, 10.20.

Future programmes will be posted on the module's web page.