MA319 Jan 3:0

Algebraic Combinatorics

Instructor

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Teaching Assistant

Email:

Department: Mathematics

Course Time:

Lecture venue:

Detailed Course Page:

Announcements

Brief description of the course

Elective. An introduction to algebraic combinatorics.

Prerequisites

None, but a familiarity with linear algebra and finite groups would be helpful

Syllabus

The algebra of symmetric functions, Schur functions, RSK algorithm, Murnaghan-Nakayama Rule, Knuth

equivalence, jeu de taquin, evacuation, Littlewood-Richardson rules, plane partitions, Hillman-Grassl

correspondence.

Course outcomes

Learn basis of algebraic combinatorics

Grading policy

5% â€" Attendance

15% â€" Homeworks

30% â€" Midterm

50% â€" Final

Assignments

Resources