Detailed Course Catalog Information

MATH 335 - Computational Algebra.

Computational aspects of modern algebra. Computing in groups: algorithms, algorithmic problems in groups, finitely generated abelian groups, free groups and automata, finitely presented groups. Computing in rings: elementary notions of ring theory, ideals of polynomial rings in several variables, Groebner bases, elements of field theory.

Taught in alternate years
Prerequisites: MATH 235 and MATH 236.
Note: This course is intended primarily for students in the Major Program in Mathematics and the Joint Major Program in Mathematics and Computer Science.

3.000 Credit hours

Schedule Types: Lecture, Final Exam

Faculty of Science
Mathematics and Statistics Department

Restrictions:
May not be enrolled in one of the following Levels:
- Doctorate
- Masters & Grad Dips & Certs

May not be enrolled in one of the following Faculties:
- Fac Dental Medicine & Oral HS
- Faculty of Medicine & Hlth Sci
- School of Continuing Studies

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