

MATH 223 - LINEAR ALGEBRA

FALL 2017

Prerequisite: Math 133 - Linear Algebra, or equivalent.

Course description: Review of matrix algebra, determinants and systems of linear equations. Vector spaces, linear operators and their matrix representations, orthogonality. Eigenvalues and eigenvectors, diagonalization of Hermitian matrices. Applications.

Lectures: Tue, Thu 8:30–10:00 // Maass 112

Instructor: Bogdan Nica

Office Hours: Tue, Thu 10:00–11:00, Wed 11:30–12:30 // Burnside 1131

Email: bogdan.nica@mcgill.ca // use subject "Math 223: ..."

Tutorial: Fri 3:30–4:30 // SADB M-1

Assistant: Yingjie Qian

Office Hours: Mon 2:00–3:00 // Burnside 1032

Email: yingjie.qian@mail.mcgill.ca // use subject "Math 223: ..."

Text: Linear Algebra (5th Edition) by Lipschutz & Lipson, Schaum's Outlines
Inexpensive reference, lots of exercises.

Grade: 10% Homework // 25% Midterm // 65 %Final Exam

Homework: Five assignments, approximately one every two weeks. To be submitted on the due date, at the beginning of the class. Late assignments are not accepted. However, early assignments are accepted. Write your full name and your student number. Staple your sheets.

Exams: Closed book, no calculators. Midterm - date and location TBA. Comprehensive final exam - see exam schedule for date and location.

Advice: Attend classes. Showing up is just a part of the process. Come prepared, take good notes, and stay focused. Ask questions and answer questions. Enjoy.

Start working on the assignments well in advance of the due date. Practice the course material by solving many exercises, not just the suggested ones.

University Policy: McGill University values academic integrity. Therefore all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures (see <http://www.mcgill.ca/students/srr/honest/> for more information).

In accord with McGill University's Charter of Students' Rights, students in this course have the right to submit in English or in French any written work that is to be graded.

In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course is subject to change.