

MATH 133. LINEAR ALGEBRA AND GEOMETRY.

Credits: 3

Offered by: Mathematics and Statistics (Faculty of Science)

Terms offered: Summer 2025, Fall 2025, Winter 2026

View offerings for Summer 2025 or Fall 2025 or Winter 2026 in Visual Schedule Builder.

Description

Systems of linear equations, matrices, inverses, determinants; geometric vectors in three dimensions, dot product, cross product, lines and planes; introduction to vector spaces, linear dependence and independence, bases. Linear transformations. Eigenvalues and diagonalization.

- Restriction B: Not open to students who have taken or are taking MATH 123, except by permission of the Department of Mathematics and Statistics.
- Restriction C: Not open to students who are taking or have taken MATH 134.
- 3 hours lecture, 1 hour tutorial
- Prerequisite: a course in functions
- Restriction(s): 1) Not open to students who have taken CEGEP objective 00UQ or equivalent. 2) Not open to students who have taken or are taking MATH 123, except by permission of the Department of Mathematics and Statistics.

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