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MATH 578 Numerical Analysis 1 (4 credits)

Offered by: Mathematics and Statistics ([Faculty of Science (/study/2022-2023/faculties/science)](/study/2022-2023/faculties/science))

Overview

Mathematics & Statistics (Sci) : Development, analysis and effective use of numerical methods to solve problems arising in applications. Topics include direct and iterative methods for the solution of linear equations (including preconditioning), eigenvalue problems, interpolation, approximation, quadrature, solution of nonlinear systems.

Terms: Fall 2022

Instructors: Nave, Jean-Christophe (Fall)

- Fall

- Prerequisites: MATH 247 (/study/2022-2023/courses/math-247) or MATH 251 (/study/2022-2023/courses/math-251); and MATH 387 (/study/2022-2023/courses/math-387); or permission of the instructor.

This course may be used as a required or complementary course in the following programs:

[Bachelor of Science (B.Sc.) - Honours Statistics and Computer Science (https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-statistics-and-computer-science)](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-statistics-and-computer-science)

[Bachelor of Science (B.Sc.) - Major Statistics and Computer Science (https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-statistics-and-computer-science)](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-statistics-and-computer-science)

McGill Minerva

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