Dynamic Schedule: Visit **Minerva Class Schedule (https://horizon.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched)** for *course dates & times*.

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COMP 540 Matrix Computations (4 credits)

Offered by: Computer Science (Faculty of Science (/study/2022-2023/faculties/science))

Overview

Computer Science (Sci) : Designing and programming reliable numerical algorithms. Stability of algorithms and condition of problems. Reliable and efficient algorithms for solution of equations, linear least squares problems, the singular value decomposition, the eigenproblem and related problems. Perturbation analysis of problems. Algorithms for structured matrices.

Terms: Winter 2023

Instructors: Chang, Xiao-Wen (Winter)

- 3 hours

- Prerequisite: MATH 327 (/study/2022-2023/courses/math-327) or COMP 350 (/study/2022-2023/courses/comp-350)

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)

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)

Doctor of Philosophy (Ph.D.) Computer Science (https://www.mcgill.ca/study/2022-2023/faculties/science/graduate/programs/doctor-philosophy-phd-computer-science)

Master of Science (M.Sc.) Computer Science (Non-Thesis) (https://www.mcgill.ca/study/20

McGill Minerva

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