Fr (/study/2022-2023/fr/courses/comp-451)

Quick Links ▾

eCalendar (/study/2022-2023/)
Programs, Courses & University Regulations Fall 2022–Summer 2023

(https://www.mcgill.ca)

Search

Entire Site

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

COMP 451 Fundamentals of Machine Learning (3 credits)

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

Overview

Computer Science (Sci) : Introduction to the computational, statistical and mathematical foundations of machine learning. Algorithms for both supervised learning and unsupervised learning. Maximum likelihood estimation, neural networks, and regularization.

Terms: Fall 2022

Instructors: Ravanbakhsh, Siamak (Fall)

- Prerequisite: COMP 251 (/study/2022-2023/courses/comp-251), MATH 222 (/study/2022-2023/courses/math-222), MATH 223 (/study/2022-2023/courses/math-223), and MATH 323 (/study/2022-2023/courses/math-323).

- Restriction: Not open to students who are taking or have taken COMP 551 (/study/2022-2023/courses/comp-551).

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

Bachelor of Arts and Science (B.A. & Sc.) - Honours Cognitive Science (https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-and-science-ba-sc-honours-cognitive-science)

Bachelor of Arts and Science (B.A. & Sc.) - Interfaculty Program Cognitive Science (https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-and-science-ba-sc-interfaculty-program-cognitive-science)

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

Bachelor of Science (B.Sc.) - Honours Probability and Statistics

McGill Minerva

Visit *Minerva Class Schedule* for **course dates & times**

Class Schedule (https://horizon.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched

---

(https://www.mcgill.ca)