

**Dynamic Schedule:** Visit [Minerva Class Schedule](#)[https://horizon.mcgill.ca/pban1/bwckschd.p\\_disp\\_dyn\\_sched](https://horizon.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched) for course dates & times.McGill.ca (<https://www.mcgill.ca>) / Overview (/study/2022-2023/) / All Courses (/study/2022-2023/courses/search)

# MATH 430 Mathematical Finance (3 credits)

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

## Overview

Mathematics & Statistics (Sci) : Introduction to concepts of price and hedge derivative securities. The following concepts will be studied in both concrete and continuous time: filtrations, martingales, the change of measure technique, hedging, pricing, absence of arbitrage opportunities and the Fundamental Theorem of Asset Pricing.

**Terms: This course is not scheduled for the 2022-2023 academic year.**

Instructors: There are no professors associated with this course for the 2022-2023 academic year.

- Prerequisite(s): [MATH 243 \(/study/2022-2023/courses/math-243/\)](#) or [MATH 255 \(/study/2022-2023/courses/math-255/\)](#), and [MATH 323 \(/study/2022-2023/courses/math-323/\)](#) or [MATH 356 \(/study/2022-2023/courses/math-356/\)](#), and [MATH 133 \(/study/2022-2023/courses/math-133/\)](#) or equivalent.

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

[Bachelor of Arts \(B.A.\) -  
Supplementary Minor  
Concentration in Mathematics  
\(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-mathematics>\)](#)

[Bachelor of Arts \(B.A.\) -  
Supplementary Minor  
Concentration Statistics  
\(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-statistics>\)](#)

[Bachelor of Arts \(B.A.\) -  
Supplementary Minor  
Concentration Statistics  
\(<https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-statistics>\)](#)

[Bachelor of Science \(B.Sc.\) -  
Honours Applied Mathematics  
\(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-applied-mathematics>\)](#)

22-  
2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-applied-mathematics)

Bachelor of Science (B.Sc.) -  
Honours Applied Mathematics  
([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-applied-mathematics)

22-  
2023/faculties/arts/undergraduate/programs/bachelor-science-bsc-honours-applied-mathematics)

Bachelor of Science (B.Sc.) -  
Honours Mathematics  
([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-mathematics)

22-  
2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-mathematics)

Bachelor of Science (B.Sc.) -  
Honours Mathematics  
([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-science-bsc-honours-mathematics)

22-  
2023/faculties/arts/undergraduate/programs/bachelor-science-bsc-honours-mathematics)

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

([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-probability-and-statistics)

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2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-probability-and-statistics)

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

([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-science-bsc-honours-probability-and-statistics)

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2023/faculties/arts/undergraduate/programs/bachelor-science-bsc-honours-probability-and-statistics)

Bachelor of Science (B.Sc.) -  
Liberal Program - Core  
Science Component  
Mathematics

([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-mathematics)

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2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-mathematics)

Bachelor of Science (B.Sc.) -  
Liberal Program - Core  
Science Component Statistics

([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-statistics)

22-

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-statistics\)](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-statistics)

[Bachelor of Science \(B.Sc.\) - Major Mathematics](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-mathematics)  
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-mathematics>)

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




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**Class Schedule**  
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