

**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 338 History and Philosophy of Mathematics (3 credits)

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

## Overview

Mathematics & Statistics (Sci) : Egyptian, Babylonian, Greek, Indian and Arab contributions to mathematics are studied together with some modern developments they give rise to, for example, the problem of trisecting the angle. European mathematics from the Renaissance to the 18th century is discussed, culminating in the discovery of the infinitesimal and integral calculus by Newton and Leibnitz. Demonstration of how mathematics was done in past centuries, and involves the practice of mathematics, including detailed calculations, arguments based on geometric reasoning, and proofs.

### Terms: Fall 2022

Instructors: Fortier, Jérôme (Fall)

- Fall
- Prerequisites: [MATH 133 \(/study/2022-2023/courses/math-133\)](#), [MATH 141 \(/study/2022-2023/courses/math-141\)](#).

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

[Bachelor Engineering \(B.Eng.\) - Co-op in Software Engineering](#)  
(<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-co-op-software-engineering>)

[Bachelor of Arts \(B.A.\) - Minor Concentration History and Philosophy of Science](#)  
(<https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-minor-concentration-history-and-philosophy-science>)

[Bachelor of Arts \(B.A.\) - Minor Concentration History and Philosophy of Science](#)  
(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-minor-concentration-history-and-philosophy-science>)

Bachelor of Arts (B.A.) - Minor  
Concentration Science for Arts  
Students

([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-minor-concentration-science-arts-students)

[2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-minor-concentration-science-arts-students](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-minor-concentration-science-arts-students))

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Bachelor of Arts (B.A.) -  
Supplementary Minor  
Concentration in Mathematics

([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-mathematics)

[2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-mathematics](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-mathematics))

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Bachelor of Education (B.Ed.)  
- Secondary Mathematics

([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/education/undergraduate/programs/bachelor-education-bed-secondary-mathematics)

[2023/faculties/education/undergraduate/programs/bachelor-education-bed-secondary-mathematics](https://www.mcgill.ca/study/2022-2023/faculties/education/undergraduate/programs/bachelor-education-bed-secondary-mathematics))

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Bachelor of Engineering  
(B.Eng.) - Bioengineering

([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-bioengineering)

[2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-bioengineering](https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-bioengineering))

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Bachelor of Engineering  
(B.Eng.) - Chemical  
Engineering

([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-chemical-engineering)

[2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-chemical-engineering](https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-chemical-engineering))

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Bachelor of Engineering  
(B.Eng.) - Civil Engineering

([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-civil-engineering)

[2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-civil-engineering](https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-civil-engineering))

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Bachelor of Engineering  
(B.Eng.) - Co-op in Materials  
Engineering

([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-co-op-materials-engineering)

[2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-co-op-materials-engineering](https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-co-op-materials-engineering))

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Bachelor of Engineering  
(B.Eng.) - Co-op in Mining  
Engineering

<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-co-op-mining-engineering>

Bachelor of Engineering  
(B.Eng.) - Computer Engineering  
(<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-computer-engineering>)

Bachelor of Engineering  
(B.Eng.) - Electrical Engineering  
(<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-electrical-engineering>)

Bachelor of Engineering  
(B.Eng.) - Honours Electrical Engineering  
(<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-honours-electrical-engineering>)

Bachelor of Engineering  
(B.Eng.) - Honours Mechanical Engineering  
(<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-honours-mechanical-engineering>)

Bachelor of Engineering  
(B.Eng.) - Materials Engineering  
(<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-materials-engineering>)

Bachelor of Engineering  
(B.Eng.) - Mechanical Engineering  
(<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-mechanical-engineering>)

Bachelor of Engineering  
(B.Eng.) - Mining Engineering  
(<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-mining-engineering>)

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2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-mining-engineering)

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)

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

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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)

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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)

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

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.) -  
Major Mathematics  
([https://www.mcgill.ca/study/20](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-mathematics)

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




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