

Dynamic Schedule: Visit [Minerva Class Schedule](#)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 140 Calculus 1 (3 credits)

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

Overview

Mathematics & Statistics (Sci) : Review of functions and graphs. Limits, continuity, derivative. Differentiation of elementary functions. Antidifferentiation. Applications.

Terms: Fall 2022, Winter 2023, Summer 2023

Instructors: Trudeau, Sidney; Huang, Peiyuan; Mellick, Sam (Fall) Collins-Woodfin, Elizabeth (Winter)

- 3 hours lecture, 1 hour tutorial
- Prerequisite: High School Calculus
- Restriction: Not open to students who have taken [MATH 120 \(/study/2022-2023/courses/math-120/\)](#), [MATH 139 \(/study/2022-2023/courses/math-139/\)](#) or CEGEP objective 00UN or equivalent
- Restriction: Not open to students who have taken or are taking [MATH 122 \(/study/2022-2023/courses/math-122/\)](#), except by permission of the Department of Mathematics and Statistics
- Each Tutorial section is enrolment limited

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 \(B.A.\) - Faculty Program Environment - Ecological Determinants of Health in Society \(/https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-faculty-program-environment-ecological-determinants-health-society/\)](#)

[Bachelor of Arts \(B.A.\) - Faculty Program Environment - Ecological Determinants of Health in Society](#)

[.https://www.mcgill.ca/study/2022-2023/faculties/environment/undergraduate/programs/bachelor-arts-ba-faculty-program-environment-ecological-determinants-health-society](https://www.mcgill.ca/study/2022-2023/faculties/environment/undergraduate/programs/bachelor-arts-ba-faculty-program-environment-ecological-determinants-health-society)

**Bachelor of Arts (B.A.) -
Faculty Program Environment
- Economics and the Earth's
Environment**

[.https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-faculty-program-environment-economics-and-earths-environment](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-faculty-program-environment-economics-and-earths-environment)

**Bachelor of Arts (B.A.) -
Faculty Program Environment
- Economics and the Earth's
Environment**

[.https://www.mcgill.ca/study/2022-2023/faculties/environment/undergraduate/programs/bachelor-arts-ba-faculty-program-environment-economics-and-earths-environment](https://www.mcgill.ca/study/2022-2023/faculties/environment/undergraduate/programs/bachelor-arts-ba-faculty-program-environment-economics-and-earths-environment)

**Bachelor of Arts (B.A.) -
Faculty Program Environment
- Environment and
Development**

[.https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-faculty-program-environment-environment-and-development](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-faculty-program-environment-environment-and-development)

**Bachelor of Arts (B.A.) -
Faculty Program Environment
- Environment and
Development**

[.https://www.mcgill.ca/study/2022-2023/faculties/environment/undergraduate/programs/bachelor-arts-ba-faculty-program-environment-environment-and-development](https://www.mcgill.ca/study/2022-2023/faculties/environment/undergraduate/programs/bachelor-arts-ba-faculty-program-environment-environment-and-development)

**Bachelor of Arts (B.A.) -
Honours Economics**

[.https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-honours-economics](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-honours-economics)

**Bachelor of Arts (B.A.) - Joint
Honours Component
Economics**

[.https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-economics](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-economics)

[ate/programs/bachelor-arts-ba-joint-honours-component-economics\)](#)

[Bachelor of Arts \(B.A.\) - Joint Honours Component Economics](#)
([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-joint-honours-component-economics)

[2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-joint-honours-component-economics\)](https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-joint-honours-component-economics)

[Bachelor of Arts \(B.A.\) - Joint Honours Component Economics / Joint Honours Component Accounting](#)
([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-economics-joint-honours-component-accounting)

[2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-economics-joint-honours-component-accounting\)](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-economics-joint-honours-component-accounting)

[Bachelor of Arts \(B.A.\) - Joint Honours Component Economics / Joint Honours Component Finance](#)
([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-economics-joint-honours-component-finance)

[2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-economics-joint-honours-component-finance\)](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-economics-joint-honours-component-finance)

[Bachelor of Arts \(B.A.\) - Joint Honours Component Environment](#)
([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-environment)

[2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-environment\)](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-environment)

[Bachelor of Arts \(B.A.\) - Joint Honours Component Environment](#)
([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/environment/undergraduate/programs/bachelor-arts-ba-joint-honours-component-environment)

[2023/faculties/environment/undergraduate/programs/bachelor-arts-ba-joint-honours-component-environment\)](https://www.mcgill.ca/study/2022-2023/faculties/environment/undergraduate/programs/bachelor-arts-ba-joint-honours-component-environment)

[Bachelor of Arts \(B.A.\) - Joint Honours Component Mathematics](#)
([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-mathematics)

[2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-mathematics\)](https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-joint-honours-component-mathematics)

[Bachelor of Arts \(B.A.\) - Joint Honours Component](#)

Mathematics

(<https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-joint-honours-component-mathematics>)

Bachelor of Arts (B.A.) - Major Concentration Mathematics

(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-major-concentration-mathematics>)

Bachelor of Arts (B.A.) - Major Concentration Mathematics

(<https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-major-concentration-mathematics>)

Bachelor of Arts (B.A.) - Major Concentration Statistics

(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-major-concentration-statistics>)

Bachelor of Arts (B.A.) - Major Concentration Statistics

(<https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-major-concentration-statistics>)

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

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

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

(<https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-minor-concentration-mathematics>)

Bachelor of Arts (B.A.) - Minor Concentration Statistics

(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-minor-concentration-statistics>)

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

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

Bachelor of Commerce
(B.Com.) - Honours
Economics
(<https://www.mcgill.ca/study/2022-2023/faculties/desautels/undergraduate/programs/bachelor-commerce-bcom-honours-economics>)

Bachelor of Commerce
(B.Com.) - Joint Honours
Economics and Accounting
(<https://www.mcgill.ca/study/2022-2023/faculties/desautels/undergraduate/programs/bachelor-commerce-bcom-joint-honours-economics-and-accounting>)

Bachelor of Commerce
(B.Com.) - Joint Honours
Economics and Finance
(<https://www.mcgill.ca/study/2022-2023/faculties/desautels/undergraduate/programs/bachelor-commerce-bcom-joint-honours-economics-and-finance>)

Bachelor of Education (B.Ed.)
- Secondary Mathematics
(<https://www.mcgill.ca/study/2022-2023/faculties/education/undergraduate/programs/bachelor-education-bed-secondary-mathematics>)

Bachelor of Education (B.Ed.)
- Secondary Science and
Technology
(<https://www.mcgill.ca/study/2022-2023/faculties/education/undergraduate/programs/bachelor-education-bed-secondary-science-and-technology>)

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

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

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

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

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>)

Bachelor of Science (B.Sc.) - Architecture
(<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-science-bsc-architecture-architecture>)

Bachelor of Science (B.Sc.) - Freshman Program
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-freshman-program>)

Bachelor of Science (B.Sc.) - Honours Mathematics and Physics
(<https://www.mcgill.ca/study/2022-2023-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-mathematics-and-physics>)

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-mathematics-and-physics\)](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-mathematics-and-physics)

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

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-physics\)](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-physics)

[Bachelor of Science \(B.Sc.\) - Honours Physics and Chemistry](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-physics-and-chemistry)
([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-physics-and-chemistry)

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-physics-and-chemistry\)](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-physics-and-chemistry)

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

[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 \(B.Sc.\) - Liberal Program - Core Science Component Mathematics](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-mathematics)
([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-mathematics)

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

[Bachelor of Science \(B.Sc.\) - Liberal Program - Core Science Component Physics](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-physics)
([https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-physics)

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

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

[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 Mathematics and Computer Science \(https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-mathematics-and-computer-science\)](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-mathematics-and-computer-science)

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

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

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

[Bachelor of Science \(B.Sc.\) - Major Physics and Geophysics \(https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-physics-and-geophysics\)](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-physics-and-geophysics)

[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)

[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)

[science-bsc-major-statistics-and-computer-science\)](#)

[Bachelor of Science \(Kinesiology\) \(B.Sc. \(Kinesiology\)\) - Kinesiology](#)
(<https://www.mcgill.ca/study/2022-2023/faculties/education/undergraduate/programs/bachelor-science-kinesiology-bsckinesiology-kinesiology>).

[Bachelor of Science \(Kinesiology\) \(B.Sc. \(Kinesiology\)\) - Kinesiology - Honours](#)
(<https://www.mcgill.ca/study/2022-2023/faculties/education/undergraduate/programs/bachelor-science-kinesiology-bsckinesiology-kinesiology-honours>)

[Bachelor of Science \(Nursing\) \(B.Sc.\(N.\)\) - Nursing](#)
(<https://www.mcgill.ca/study/2022-2023/faculties/nursing/undergraduate/programs/bachelor-science-nursing-bscn-nursing>)




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

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

(<https://www.mcgill.ca>)

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