

The background is a dark, textured surface resembling a chalkboard, filled with faint, handwritten mathematical equations and diagrams. Visible formulas include $y = g(x)$, $f(x) = \lim_{h \rightarrow 0} f(x+h) - f(x)$, $\lim_{h \rightarrow 0} \frac{g(x+h) - g(x)}{h} = \lim_{h \rightarrow 0} \frac{2xh + h^2}{h} = \lim_{h \rightarrow 0} h(2x + h)$, and $f'(a) = \lim_{h \rightarrow 0} \frac{f(a+h) - f(a)}{h}$. There are also some diagrams with arrows and labels like 'Secant' and 'Tangent'.

McGill University
Department of Mathematics
and Statistics

Undergraduate Orientation
Fall 2023

Presenters

- Rustum Choksi, Chair
- Armel Kelome, Chief Advisor
- Lori Hurdle, Undergraduate Program Administrator
- Angela White, Undergraduate Program Coordinator
- Sidney Trudeau, Faculty Lecturer & Math & Stat HelpDesk
- Alia Sajjad, Faculty Lecturer & Math & Stat HelpDesk
- April Colosimo, Librarian, Schulich Library of Physical Sciences, Life Sciences and Engineering
- Rosalie Belanger-Rioux, Outreach & Wellness Advisor
- Fanny Gutierrez-Meyers, Local Wellness Advisor (Faculty of Science)
- Shereen Elaidi, Mathematics and Statistics working towards a PhD.
- Zachary Horton, Honours Mathematics, Year 3 working towards a B.Science
- Marc Mekhanik, Mathematics and Statistics working towards a PhD.
- Laurine Aldairy, President of SUMS

Presenter

Rustum Choksi

Chair

Presenter

Armel Kelome

Chief Advisor

The department of Mathematics and Statistics offers various undergraduate major programs through three faculties.

- Faculty of Arts
- Faculty of Management
- Faculty of Science

Faculty of Arts

- Major concentration in Mathematics (36 cr)
- Major concentration in Statistics (36 cr)
- Joint Honours Mathematics and Computer Science (78 cr)
- Joint Honours component in Mathematics (36 cr)
- Honours Mathematics (63 cr)
- Honours Applied Mathematics (63 cr)
- Honours Probability and Statistics (63 cr)
- Minor concentration in Mathematics (18 cr)
- Minor concentration in Statistics (18 cr)
- Supplementary Minor Concentration in Mathematics (18 cr)
- Supplementary Minor Concentration in Statistics (18 cr)

For more details please visit:

<https://www.mcgill.ca/mathstat/undergraduate/programs/b>

Faculty of Management

- Major concentration in Mathematics (72 cr)

For more details please visit:

<https://www.mcgill.ca/study/2023-2024/faculties/desautels/undergraduate/programs/bachelor-commerce-bcom-major-concentration-mathematics-management-students>

Faculty of Science

- Major in Mathematics (54 cr)
- Major Statistics (54 cr)
- Liberal Program- CSC - Mathematics (45 cr)
- Liberal Program - CSC- Statistics (48 cr)
- Joint major in Maths and Computer Sciences (72 cr)
- Joint major in Statistics and Computer Sciences (72 cr)
- Honours in Mathematics (63 cr)
- Honours Applied Mathematics (63 cr)
- Honours Probability and Statistics (63 cr)
- Joint Honours Mathematics and Computer Science (78 cr)
- Joint honours Statistics and Computer Science (79 cr)
- Minor in Mathematics (24 cr)
- Minor in Statistics (24 cr)

For more details please visit:

<https://www.mcgill.ca/mathstat/undergraduate/programs/b-sc>

MATH Related Programs

- Major Biology and Mathematics (76 cr)
- Major Physiology and Mathematics (79 cr)
- Honours Mathematics and Physics (81 cr)

For more details please visit:

<https://www.mcgill.ca/mathstat/undergraduate/programs/b-sc/math-related-programs>

Presenter

Lori Hurdle

Undergraduate Program
Administrator

Resources & Important information

- SUMS - Society of Undergraduate Mathematics and Statistics Students. We encourage all students to sign up.
<https://sumsmcgill.ca/>
- SURA– Science Undergraduate Research Awards
<https://www.mcgill.ca/mathstat/undergraduate/undergraduate-research/summer-research-awards/sura-science-undergraduate-research-awards>
- Transfer Credits
 - Arts Students – OASIS
<https://www.mcgill.ca/oasis/>
 - Science Students – SOUSA <https://www.mcgill.ca/science/undergraduate/advice/sousa>
- ID Cards:
<https://www.mcgill.ca/student-records/personal-information/id>
- E-Calendar
<https://www.mcgill.ca/study/2022-2023/>
- Student Accessibility & Achievement
<https://www.mcgill.ca/access-achieve/>
- Students must apply to graduate on Minerva
- Degree Audit: 2 terms before you graduate

How to contact us

<https://www.mcgill.ca/mathstat/undergraduate/advising-and-orientation>

Course Registration issues

- Please send an email to ugrad.mathstat@mcgill.ca. Students must use their McGill email address, include their McGill ID number, Program(Major/Minor), Term of course(s) and the CRNs of the lecture/lab/tutorial they are trying to register for.

Degree Evaluations

- These will be done by email only. Please send an email to lori.hurdle@mcgill.ca from your McGill email address with the following information:
 - your McGill ID number
 - list of courses you are using for double-counting (if applicable)
 - Computer Science students (major/minor): a degree audit from your Department (attach to email - do **not** send a separate email)

Appointments for general advising

- Students can now book appointments through [MSBookings](#) with either [Prof. Kelome](#) or [Lori Hurdle](#). You can only view and book appointments 7 days in advance. Please try again at a later date. Drop-in for general advising



- Fall Term Drop-in hours for general questions are available with Lori Hurdle on Tuesdays & Thursdays from 1-2pm in [Burnside Hall](#), #1015.

Presenter

Angela White

Undergraduate Program
Coordinator

Presenter

Sidney Trudeau

Faculty Lecturer & Math
HelpDesk

Presenter

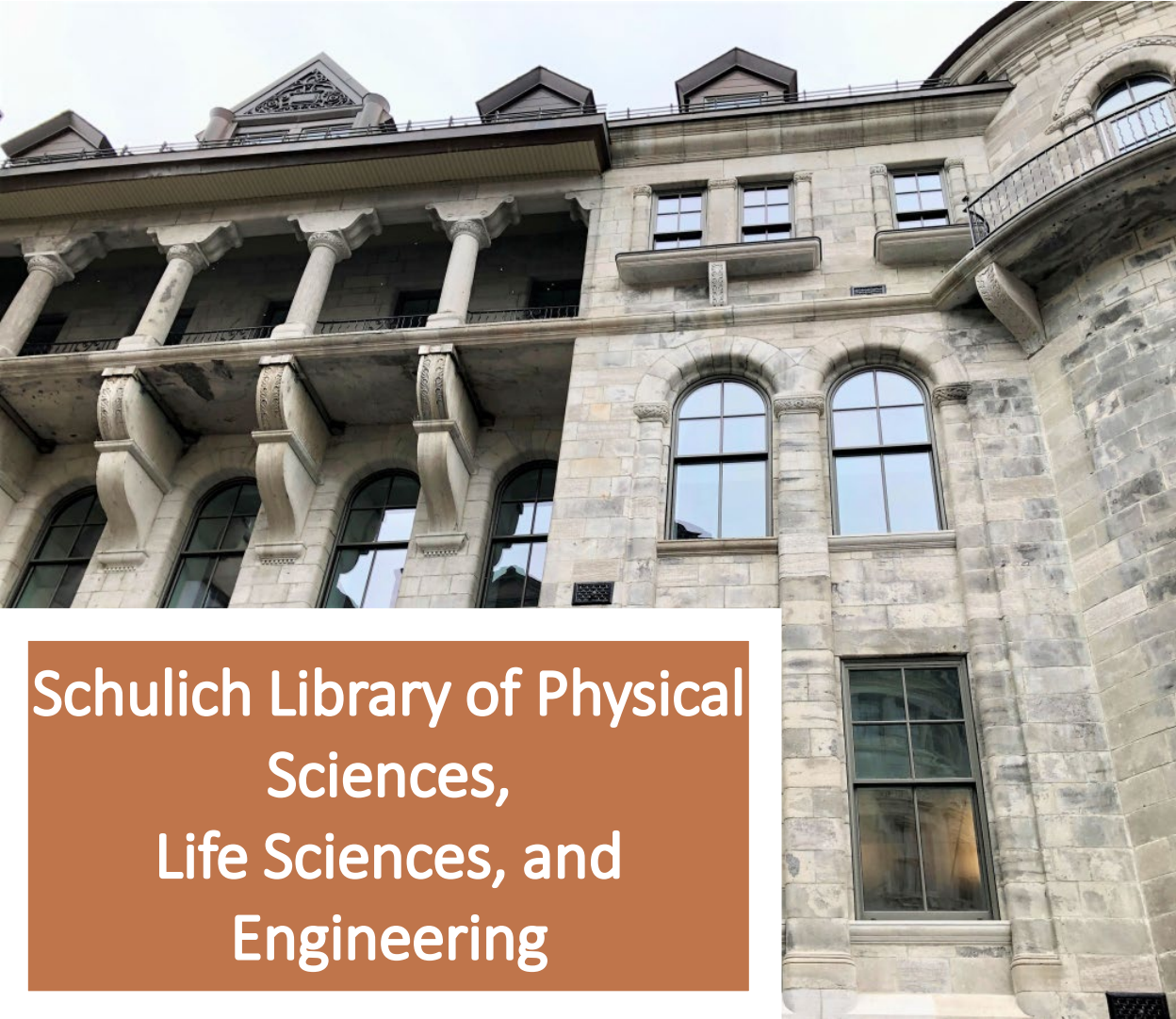
Alia Sajjad

Faculty Lecturer & Stat
HelpDesk

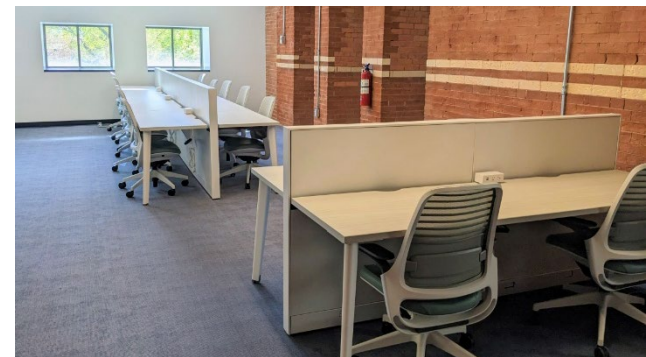
Presenter

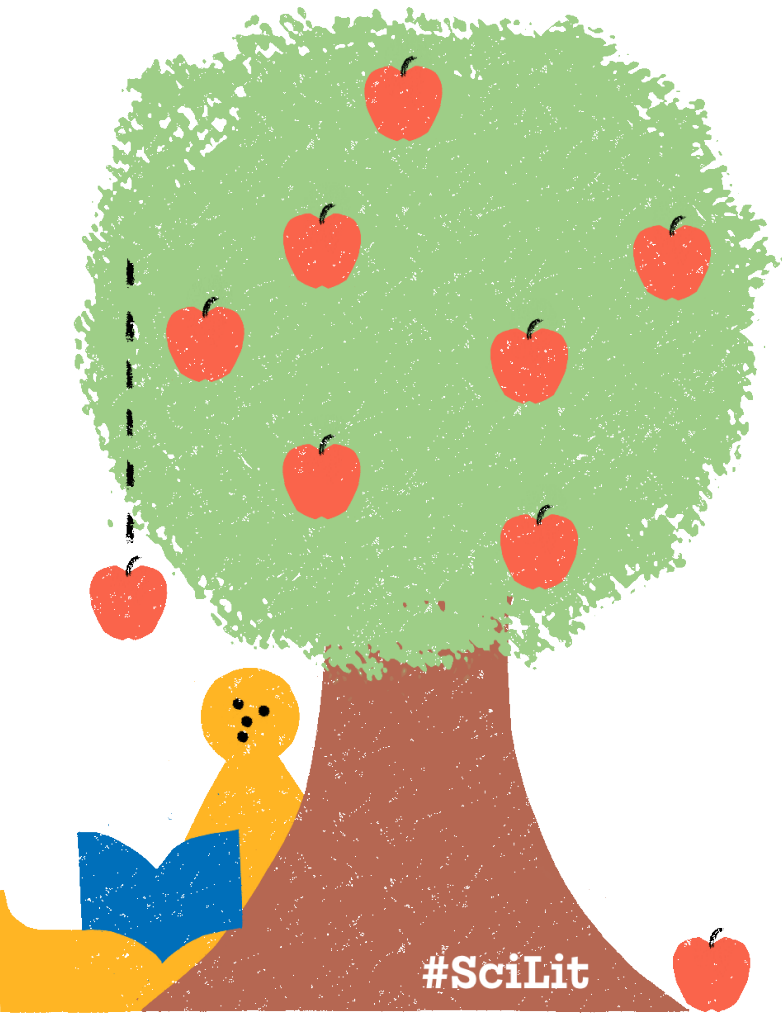
April Colosimo

Librarian, Schulich Library
of Physical Sciences, Life
Sciences and Engineering



Schulich Library of Physical
Sciences,
Life Sciences, and
Engineering





Workshops & tours

www.mcgill.ca/library



libraryguides.mcgill.ca/math

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Spotlight: Women in mathematics

Welcome to the mathematics and statistics guide

This guide is a good place to start if you are new to using library services, or if you have a project or paper to complete. I am available for help if you would like to [make an appointment](#). If you are here exploring resources in mathematics and statistics, be sure to check out the [learn online](#) and the [textbooks](#) section to find free courses and open textbooks that may be of interest.

If you can't find the full text of an article, you can use our [Interlibrary Loan Service \(ILL\)](#). ILL can also be used if a book that you want is not in the McGill Library collection, or the collection of another [Quebec university library](#). The ILL system is integrated into the [Library catalogue/Sofia Discovery tool](#). You can also [email me \(April\) to suggest a purchase](#). We may be able to obtain a copy for the Library.

Looking for [McGill Mathematics and Statistics?](#)



[April Colosimo](#)

she/her

Email me

Schedule an appointment

Presenter

Rosalie Belanger-Rioux

Outreach & Wellness Advisor

Presenter

Fanny Gutierrez-Meyers

Local Wellness Advisor
(Faculty of Science)

What is a Local Wellness Advisor ?

- A mental health professional in your faculty that promotes **Awareness, Prevention & Early Intervention**
- Resource-provider **in** your faculty **for** your faculty
- **Bridge to care** - Specialist in referring to resources on campus and in the community

You have access to more than one Local Wellness Advisor!



Fanny Gutierrez-Meyers

- Licensed social worker
- Provided mental health services in hospital, out-patient, school and higher education settings.
- Office: 774 in 2001 McGill College
- fanny.gutierrez-meyers@mcgill.ca



Student Services
Services aux étudiants



Student
Wellness Hub

Pôle bien-être
étudiant

How to book an appointment with your LWA



<https://www.mcgill.ca/lwa>



Select timeslots that work for you



Book directly into your calendar and theirs!



Presenter

Shereen Elaidi

Mathematics and Statistics

Study advice

- Realize that university-level math is different.
 - It is *not* memorizing and computations. It *is* about intuition, logical arguments, and creativity.
- You do not have to be a genius to succeed in math – you need to be interested in math, willing to work hard for it, and you have to believe in yourself.
- “Focus on your own derivative.”
 - Everyone came to McGill from a different starting point.
- Start homework and exam prep early.
- Math is a collaborative subject.

Degree advice

- Don't close too many doors too early.
 - Expose yourself to industry internships and research internships.
 - Expose yourself to all parts of math: algebra, analysis, differential equations, probability, statistics, etc.
- Quality over quantity: try to take 4 courses at a time if financially possible.

Presenter

Zachary Horton

Honours Mathematics

Presenter

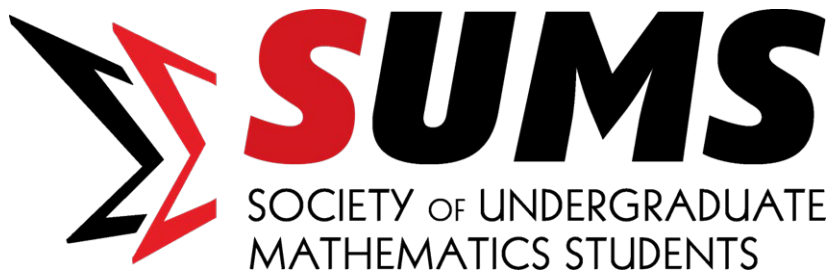
Marc Mekhanik

Mathematics and Statistics

Presenter

Laurine Aldairy

President of SUMS



What we do:

- Host social events for math students (Awkward Semi-Formal, beginning-of-year picnic)
- Run midterm/final review sessions for U1 math classes
- Send weekly listservs with information about events/opportunities relevant to math students
- Help with academic complaints (teachers not following academic guidelines, etc)
- Math merch! We run at least one clothing sale per year where you can order merch with your major or the pi-infinity logo

Useful info:

- <https://sumsmcgill.ca/sums-notesbank/>
 - Collection of notes from students for different math classes at mcgill
- [SUMS McGill Facebook Group](#)
 - Where we post about upcoming events hosted by us and/or Diversity in Math
- sums.mcgill@gmail.com
 - For contacting us with any questions or requests
- [SUMS Discord Server](#)
 - Less active now than in 2021, place for interacting with other math students while 1B20 is closed, asking questions about classes or textbooks, etc.
- [McGill Diversity in Math](#) (Instagram link)
 - Separate organisation that hosts weekly study sessions and math-related movie nights/Q&As