

**Thank you for joining us.**

Stay tuned, we'll be starting shortly!

# Territorial Acknowledgement

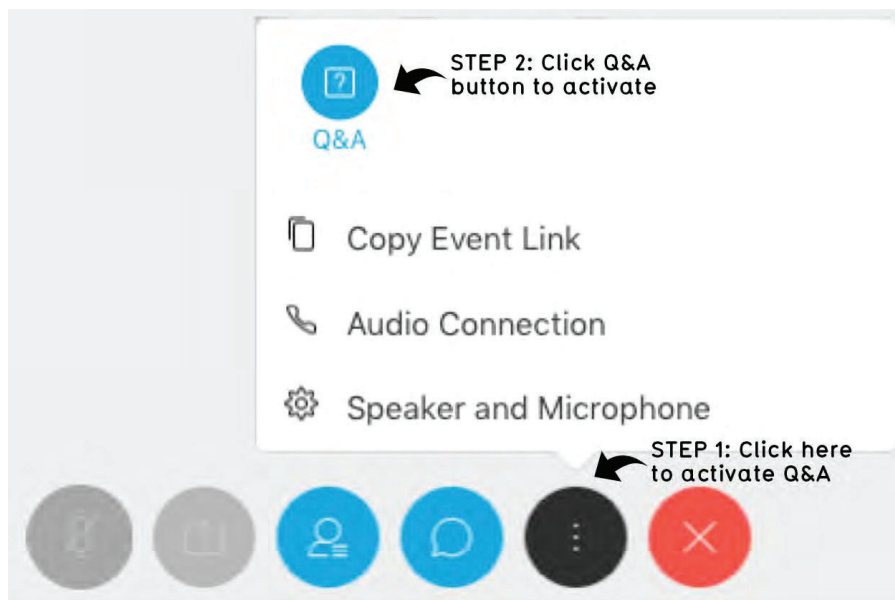
We acknowledge that much of our work takes place on the traditional territory of the Neutral, Anishinaabeg and Haudenosaunee peoples. Our main campus is situated on the Haldimand Tract, the land promised to the Six Nations that includes six miles on each side of the Grand River. Our active work toward reconciliation takes place across our campuses through research, learning, teaching, and community building, and is centralized within our Indigenous Initiatives Office



Source:  
Adam Lewis, "Living on Stolen Land"  
*Alternatives Journal*, December 2015



# Questions and Answers (Q&A)



25 minutes of presentation and 35 minutes for Q&A



Please use the Q&A box to ask your questions



Feel free to ask questions throughout the presentation in the Q&A box



Math staff and faculty are here and ready to respond



## In case of technical difficulties.

- Presentation is being recorded.
- A link to the recording of this presentation will be available after this Live Session. You can find the links on our New Math Student website ([uwaterloo.ca/new-math-students](https://uwaterloo.ca/new-math-students)) on June 16.
- Follow-up questions can be sent to the Math Undergraduate Office ([mathuo@uwaterloo.ca](mailto:mathuo@uwaterloo.ca)).

# Course Selection Live Session



## Math Undergraduate Office (MUO) June 2021







# Outline

1. Delivery methods for Fall 2021
2. Courses for Fall 2021
3. Honours and advanced courses
4. MTHEL 99
5. Transfer credits
6. Upcoming deadlines

Question and Answer session will follow.

# Delivery methods for Fall 2021

- Three modes of delivery in Fall 2021:
  1. **Online** only (not necessary to be in Waterloo)
  2. **Blended** learning (online components and in-person learning – you will need to be in Waterloo).
  3. Traditional **in-person** classes (you must be present in Waterloo)
- During course selection between June 16- 22, you will be asked whether you plan to be on-campus or whether you plan to learn online.
- We understand that circumstances can change, and you may need to alter your plans in the future. This may be possible pending available space.



# Courses for Fall 2021

<https://uwaterloo.ca/new-math-students/>

## STEP 1

Check your admitted plan for non-math courses  
and co-op sequence choices





# Courses for Fall 2021

## STEP 2

- Choose your **computer science (CS)** course

|        | Background required                                     |
|--------|---|
| CS 115 | Little to no programming experience                     |
| CS 135 | Some programming experience. Recommended for CS majors. |
| CS 145 | Enriched programming course. Must be self-motivated     |

- If you have trouble with your chosen course, there's a special 1A CS rule that permits you to swap to another course until late October.
  - CS 145 → CS 135 or CS 115
  - CS 135 → CS 115



# Courses for Fall 2021

## STEP 3

- Choose your **algebra** course:

|          | Delivery method in Fall 2021 |
|----------|------------------------------|
| MATH 135 | Online or on-campus          |
| MATH 145 | Online or on-campus          |

- Choose your **calculus** course

|                          | Delivery method in Fall 2021 |
|--------------------------|------------------------------|
| MATH 137                 | Online or on-campus          |
| MATH 137 (physics based) | Online only                  |
| MATH 147                 | Online or on-campus          |

- If you have trouble with one of the 14x courses, you can swap to the online 13x course up until **November 23, 2021**.

# Courses for Fall 2021

## STEP 4

- Choose your List 1 communications course:

*If you want to practice and develop your writing skills*

- ENGL 109 Introduction to Academic Writing

*If you want to practice and develop your verbal communication skills*

- SPCOM 100 Interpersonal Communication
- SPCOM 223 Public Speaking

*If English is not your first language:*

- EMLS 101R Oral Communications for Academic Purposes
- EMLS 102R Clear Communication in English Writing
- EMLS 129R Written Academic English

- You will put **two** choices in this section of the Course Selection Database but you'll only take one communications course in fall 2021.



# Courses for Fall 2021

## STEP 5

- Choose a **non-math elective**

*Applicable for Honours Mathematics and Computer Science students*

- You will put **two** choices in this section of the Course Selection Database.
- What should I choose?
  - Something that you know nothing about
  - Something that you love
  - Think about how it can complement your other learning:
    - PHIL 145 – Critical Thinking → examine various kinds of complex problem solving and reasoning
    - PSYCH 101 – Intro to Psychology → science of behaviour & mind; gain greater insight into yourself & those you interact with
    - Take a language (American Sign Language, Dutch, German, French, Chinese, Korean, Japanese to name a few)





# Honours level (13X) and Advanced (14X) courses

- Most students take the honours level courses (MATH 135, MATH 137).
- Honours level courses are more difficult than your average high school math courses, but advanced courses are *significantly* more challenging than the honours level course.
- Advanced courses are taken by about 5-10% of students.
- Advanced courses are challenging both theoretically and computationally.
- If you take an advanced section, be prepared to spend many more hours to understand concepts and work on assignments.
- About 50% of students swap to the honours level course during the term.
- It is not mandatory to do the advanced courses for any major. However, the advanced courses are good indicators of your preparedness for Pure Mathematics and Mathematical Finance.



# Criteria for admission to advanced courses

## MATH 145 and MATH 147

If you:

- earned **grade of 53+** in the **Canadian Senior Mathematics Contest (CSMC)** or
- earned **grade of 88+** in the **Euclid contest**

then you will be able to choose MATH 145 & MATH 147 during course selection.

If none of the above criteria applies to you then you can choose to be added to the MATH 145/MATH 147 waiting list during the course selection process. You will then need to complete an assessment to be enrolled in MATH 145/147 and you'll receive confirmation about your enrolment later in the summer.

## CS 145

If you:

- earned **grade of 58+** in the senior **Canadian Computing Competition (CCC)** or
- earned **grade of 81+** in the **Euclid contest**

then you will be able to choose CS 145 automatically during course selection.

If none of the above criteria applies to you then you will need to contact the CS 145 instructor with the information outlined on the New Math Student webpage (Step 2 of course selection)

# MTHEL 99 – First-Year Readiness



- Designed to help you refresh your knowledge of high school math.
- Will cover the material:
  - 1) Inequalities and Absolute Values
  - 2) Radicals and Rational Expressions
  - 3) Trigonometry
  - 4) Exponential and Logarithmic Functions
  - 5) Polynomials
  - 6) Introductory Calculus
- Offered online from August 3 to September 7.
- Successful completion of MTHEL 99 will result in a credit (CR) on your transcript. It won't count in your averages.

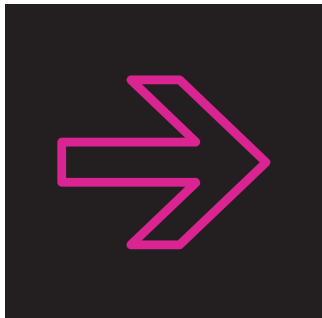
# Transfer credits

- Two types of transfer credit:
  - Exact credit: PSYCH 101
  - Misc. psychology credit: PSYCH 1xx
- For students admitted from high school with the choice to accept MATH 137:
  - We highly recommend you enroll in MATH 137 because the content covered in your first-year university courses will better prepare you for subsequent courses for your Math degree at Waterloo.
- ENGL 1xx **does not** replace the communication course requirement.





# Upcoming deadlines



## 1. **June 16 @ 9 am EDT**

Course selection begins


([courses.math.uwaterloo.ca](https://courses.math.uwaterloo.ca))

*closes at 4.30 pm EDT on June 22*

## 2. **July 29**

Course enrolment (drop/add period) begins  
in Quest.





**MATH**  
**WATERLOO**  
*Ready*

- Will support your transition to the University of Waterloo
- The fun begins July 6!





# Questions?

After the Live Session,  
email Math Undergraduate Office  
[mathuo@uwaterloo.ca](mailto:mathuo@uwaterloo.ca)  
with any additional questions.



**For more information:**

[mathuo@uwaterloo.ca](mailto:mathuo@uwaterloo.ca)

<https://uwaterloo.ca/new-math-students/>



UNIVERSITY OF  
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FACULTY OF  
MATHEMATICS