

Brief Course Outline

Course Title: **Methods of finite mathematics**

Course Number and Section

MATH

1228A 551

Instructor Name(s): Federico Pasini

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Disclaimer: Information in the brief course outline is subject to change. The syllabus posted on OWL Brightspace is the official and authoritative source of information for the course.

Course Description:

Topics covered include sets, techniques of counting, basic probability theory, discrete and continuous random variables.

Students are expected to demonstrate an understanding of these concepts and an ability to apply them in solving a variety of problems.

Learning Outcomes: one outcome per entry

- Obtain the technical skills to approach quantitative problems
- Communicate effectively using the language of mathematics relevant to the course
- Understand sets, their operations, and their cardinalities
- Determine the number of possible choices for a given situation using the appropriate counting techniques (permutations, combinations, etc.)
- Understand the basic concepts of probability theory, and use them to determine the probability of simple events
- Use random variables and their distribution functions to compute the probabilities of more complex events

Textbooks and Course Materials:

- Required textbook: A custom textbook (Methods of Finite Math by V. Olds) will be posted online on OWL course website. The textbook is offered at no cost.
- Additional course materials (e.g. supplementary exercises) will be posted on OWL at no cost.

Methods of Evaluation: one assignment per entry

Assignment	Due Date mm/dd/yy	Weight - %
Online Quizzes (OWL) - 6 throughout the term, only the best 5 count towards the course grade		20
Midterm test 1 (in-person)		10
Midterm test 2 (in-person)		10
Midterm test 3 (in-person)		15
Best among midterm tests		5
Final exam		40

Friday, August 14, 2026

Huron Brief Course Outline 2026/27

In-course Costs \$000.00

For Textbooks and Course Materials (below), you are required to include the cost of each textbook or other learning material.

Note whether there are any restrictions that would prevent a student from using a second-hand copy. Here is some suggested text:

- Required textbook: [author, title, edition, publisher, date]. Cost: [insert amount].
 - Or include the weblink of the textbook’s publisher site that includes the cost information.
- Students need to purchase this edition. Second-hand or older editions will not be sufficient.
- OR Students are welcome to purchase second-hand or earlier editions of this textbook.
- This course has an optional field trip that costs [insert amount].
- This course has a required field component that costs [insert amount].

In solidarity with the Anishinaabe, Haudenosaunee, Lūnaapéewak, and Chonnonton peoples on whose traditional treaty and unceded territories this course is shared.