



Math 230: Marvels of Mathematics

Winter Term 2, 2025-26

INSTRUCTORS:

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CLASS SCHEDULE:

Monday/Wednesday/Friday,
at 1pm-2pm, in room 104
in the Math building.

CREDITS: 3

LAND ACKNOWLEDGEMENT:

UBC's Point Grey Campus is located on the traditional, ancestral, and unceded territory of the *xʷməθkʷəy̓əm* (Musqueam) people. The land it is situated on has always been a place of learning for the Musqueam people, who for millennia have passed on in their culture, history, and traditions from one generation to the next on this site. We work with gratitude on it.

COURSE DESCRIPTION:

A variety of topics in mathematics, showcasing its beauty and utility. Intended for a general audience of students whose degrees have no mathematics requirements, but who may be curious about practical and recreational mathematics.

RESTRICTIONS:

- Not for credit in the Faculty of Science.
- Students who obtain UBC credit for any other mathematics course cannot in the same or later years obtain credit for MATH 230.

PREREQUISITES/COREQUISITES:

None.

GOALS:

The course is aimed at students who have had little or no exposure to advanced mathematics. We hope to develop our students' appreciation of, communication of, and confidence in mathematics.

TEXTBOOK:

None required. We will be using resources that are freely available on the internet, and further resources may be posted by the instructors on the course Canvas page.

GRADING:

Each module is worth 1/3 of the final course grade. Assessments may differ from module to module. Homework and participation can both contribute to your final course grade. There is no final exam in this course.

LEARNING ACTIVITIES:

In-class activities will consist of small group work, discussion sessions, question-and-answer sessions, and occasional student presentations.

There might be some out-of-class activities, which may consist of pre-readings, written assignments, and presentation preparation.

ASSESSMENTS OF LEARNING:

Students are assessed through their submitted work and course participation. A student must finish a significant amount of term work in order to pass the course.

Work will be graded on clarity and creativity as well as on mathematical correctness.

Under no circumstances will there be a possibility for a student to provide additional work in order to adjust their grade. Similarly, the relative weight of the final grade's components is not subject to adjustments.

UNIVERSITY POLICIES:

UBC provides resources to support student learning and to maintain healthy lifestyles but recognizes that sometimes crises arise and so there are additional resources to access including those for survivors of sexual violence. UBC values respect for the person and ideas of all members of the academic community. Harassment and discrimination are not tolerated nor is suppression of academic freedom. UBC provides appropriate accommodation for students with disabilities and for religious observances. UBC values academic honesty and students are expected to acknowledge the ideas generated by others and to uphold the highest academic standards in all of their actions. Details of the policies and how to access support are available on the UBC Senate website.

GENERAL SYLLABUS INFORMATION:

The Mathematics Department has standard syllabus information. This includes standardized policies for:

- academic concessions (ie missed homework + midterm)
- academic integrity (ie cheating)
- registration issues (your instructors have no control over anything to do with registration)
- misc student resources

You can find that information [here](#).