

MATH 110, Section 001, Term 2, Winter 2018

Course Outline

Instructor: Shirin Boroushaki
Time: Mon-Wed-Fri 8-9 am
Location: MATHEMATICS 100
Office Hours: TBA
Email: shirinbr@math.ubc.ca

Common course page: <http://www.math.ubc.ca/~costanza/m110/outline.html>
Instructor in Charge: Costanza Piccolo

Section page: <https://blogs.ubc.ca/math110s1>

IMPORTANT

*You should **check out the common course page and the section page regularly** to get informed on time with the announcements and updates of the course and our class.*

Textbook: *Contemporary Calculus*, Dale Hoffman

The course covers the first three chapters of the textbook, however some of the textbook sections are not relevant to this course. Details about the chapters and material covered from textbook can be found in the common course page.

Course Components + Grade Breakdown:

- WebWork Assignments: 9%

Weekly homework assignments, which is common to all course sections. The WebWorK assignments are due on **Mondays at 10pm**. Late assignments will not be accepted.

- Written Assignment: 4%

A bi-weekly homework set, which may differ in each section, and must be handed in at the beginning of the class on the due date. (Due date will be announced later.)

- Workshops 13%

You are assigned to a weekly problem-solving workshop run by teaching assistants and instructors. These workshops are an integral part of the course, and attendance is mandatory. Your workshop grade is based on attendance and participation in the workshop activities in at least 10 out of 11 workshops each term.

- In-class quizzes/activities: 4%

There will be short bi-weekly quizzes in each section.

- Midterm exams 20%

There will be two 90-minute midterm tests, Each is worth 10% of your final grade. The date of the second midterm will be announced once it is confirmed.

- Final exams 50%

There will be two 150-minute exams, one in December worth 20% of your final grade, and one in April worth 30% of your final grade. Both exams are cumulative. The dates of these exams are to be determined.

Resources

- **Class lectures:** Attend the **class**. You need to hear the vocabulary of calculus spoken and to see how mathematical ideas are strung together to reach conclusions. You need to hear the announcements about homework and tests. And you need to get to know some of the other students in the class. Besides, there will be some in-class activities that are for credit; you do not want to miss those easy-to-achieve points.

If you must miss a class, ask a classmate what material was covered and skim those sections before the next class. **Ask questions** in lecture. If you don't understand something then probably half the class doesn't either.

- **Office hours:** It will be confirmed once the availability of the majority of the class is discussed.
- **MLC:** (Location: LSK 300) Tutors are available, at no charge, to answer questions on a drop-in basis, starting the second week of classes. Term 1 Schedule will be posted soon at the MLC website.
- **Mathematics Department website:** There is much available under the Undergraduates tab, including recent final exams for most undergraduate mathematics courses.
- **Precalculus Package on Connect:** It contains two review packages of the basic math skills that are essential in your success in calculus. The *Calculus-inspired Review Package* is organized based on calculus topics and there you can find examples of calculus problems that are mainly solved by using pre-calculus skills.
- **UBC Math wiki:** Past exams with solutions created by the UBC mathematical community.
- **AMS tutoring:** The UBC student society provides an assortment of tutoring services.
- **Khan Academy**