

## Math 2008B, Intermediate Calculus – Winter 2020

<b>Instructor</b>	Dr. Eric Hua (5218 HP, 520-2600 ext. 8999)
<b>E-mail</b>	<a href="mailto:xhua@math.carleton.ca">xhua@math.carleton.ca</a>
<b>Course Web</b>	<a href="#">culearn</a>
<b>Office Hours</b>	Mondays and Wednesdays 11:30am—12:30pm, or by appointment, or by email (email Subject: MATH 2008B).
<b>Textbook</b>	Multivariable Calculus, by J. Stewart, 8th edition
<b>Lectures</b>	Jan 6-Apr 7, Mon and Wed, 13:05-14:25, SA 404
<b>Tutorials</b>	B1: Mon: 14:35 - 15:25, Mackenzie Building <b>Room:</b> 3235 Starts from Jan 13.

**Prerequisites:** (i) one of MATH 1002, MATH 1005 or MATH 2007, **and** (ii) one of MATH 1102, MATH 1104 or MATH 1107, or permission of the School.

**Textbook:** Multivariable Calculus, by J. Stewart, 8th edition

**Topics:** Vectors and the geometry of space, functions of two or more variables, partial differentiation, the chain rule, the gradient, line and multiple integrals with applications, transformations of multiple integrals.

We will cover the following sections of the textbook: 12.1 - 12.6, 13.1-13.3, 14.1 - 14.8, 15.1 - 15.4, 15.6 - 15.9, 16.1 - 16.3.

### Grading scheme:

- 40 % — Three tests, held during tutorial time and in the tutorial rooms.
  - **Test 1: Feb 3**
  - **Test 2: March 2**
  - **Test 3: March 23**
  - (The best 2 out of 3 will be considered.)
- 10% - Tutorial attendances.
- 50% - A 3-hour final examination scheduled during the exam period in April.
  - There will be no make-up, early or delayed tests. Only absences due to serious and unforeseen illness, jury duty or extreme personal misfortune may be excused. In that case, the final exam will count for the portion of grades corresponding to the missed test. Otherwise, any missed test will be counted as zero.

**Calculators:** Any calculators are allowed. No wireless devices.

**Science Student Success Centre:** <http://sssc.carleton.ca/>

## **Academic Accommodations**

**Religious obligation:** Write me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist.

**Pregnancy obligation:** Write me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist.

For more details, see:

<http://carleton.ca/equity/accommodation/academic/students/>

**Students with disabilities requiring academic accommodations** in this course must register with the Paul Menton Centre for Students with Disabilities (PMC) for a formal evaluation of disability-related needs. Documented disabilities include but are not limited to mobility/physical impairments, specific Learning Disabilities (LD), psychiatric/psychological disabilities, sensory disabilities, Attention Deficit Hyperactivity Disorder (ADHD), and chronic medical conditions. Registered PMC students are required to contact the PMC every term to have a Letter of Accommodation sent to the Instructor by their Coordinator. In addition, students are expected to confirm their need for accommodation with the Instructor no later than two weeks before the first assignment is due or the first in-class test/midterm. If you require accommodations only for formally scheduled exam(s) in this course, you must request accommodations by the official accommodation deadline published on the [PMC website](#).

**February 17-21, 2020:** Winter Break. Classes are suspended.