

# Math 253: Multivariable Calculus

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Math 253:921 2018S  
University of British Columbia

**Course webpage:** <https://www.math.ubc.ca/~sbarbieri/cursos/math253/>  
Details about the course can be found on the course webpage.

**Textbook:** The main text for this course is APEX Calculus, Version 3.0, Volume 3. (Caution: there are other versions and other volumes). It can be found freely online. For instructions check the course webpage.

**Topics:** This is a course on Multivariable Calculus. General topics to be studied are: Vectors and the Geometry of Space, Partial Derivatives, and Multiple Integrals. This corresponds to Chapters 10, 12, and 13 of the text. A weekly syllabus is given on the course webpage.

**Evaluation:** There will be five written assignments, two midterm tests, and a final exam. The schedule appears on the course webpage.

**Midterms:** There will be two 50-minute tests held during the regularly scheduled class hours on the following dates:

- Wednesday, May 30.
- Wednesday, June 13.

**Policies:** Missing an assignment or midterm normally results in a mark of 0. Exceptions may be granted in two cases: prior consent of the instructor or a medical emergency. In the latter case, the instructor must be notified within 48 hours of a missed midterm, and presented with a physician's note within 7 days. Failure to comply with these time limits will result in a mark of 0. A physician's note should specifically state that the student was medically unfit to write the missed midterm on that day. Absence of this exact information will result in a mark of 0. There will be no make-up midterms: if a student misses a midterm for a legitimate, well-documented reason, then the mark for the final exam will be assigned to the missed midterm. No late homework will be accepted. There will be no make-up homework: If a student misses an assignment with a valid reason, that assignment will be dropped. Calculators, formula sheets, or other aids are not allowed on the midterms or final exam. You must bring your UBC ID card to tests and the final exam. Grades may be scaled to ensure fairness.

**Final exam:** There will be a final examination during the end of June examination period.

**Final mark:** The final mark will be calculated as follows

$$\text{Final Mark} = \frac{1}{10}\text{Homework} + \frac{2}{10}\text{Midterm1} + \frac{2}{10}\text{Midterm2} + \frac{5}{10}\text{Exam}$$

Updated May 14, 2018.