Math 253: Multivariable Calculus 2020 W Term 1 Sept–Dec 2020

This course outline is applicable to all sections of Math 253.

Section 101 Colin Macdonald (instructor in charge)
Section 102 Alex Weeke
Section 104 Ming Zhang
Section 105 Samer Dweik


Text: The main text for this course is CLP-3 Multivariable Calculus by Joel Feldman and Andrew Rechnitzer. It is freely available from the course website or [http://www.math.ubc.ca/~CLP/CLP3/](http://www.math.ubc.ca/~CLP/CLP3/).

Topics: This is a course on Multivariable Calculus. General topics to be studied are: vectors, curves and surfaces, partial derivatives, maxima and minima, and multiple integrals. A weekly syllabus is given on the course webpage and/or Canvas.

Evaluation: There will be online assignments, some midterm tests, and a final exam. The schedule appears on the course webpage.

Tests: There will be approximately five tests held during the regularly scheduled class hours. Dates will be announced early in the term. The first of these may be a trial-run “Test 0” which may not count directly toward a grade but which must be written. Precise details to appear on the course webpage and/or Canvas.

Policies: Missing an assignment or test normally results in a mark of 0.

There will be no make-up tests: if a student misses a midterm for a legitimate, well-documented reason, then the marks for other areas of assessment will be adjusted.

No late assignments will be accepted. There will be no make-up assignments: If a student misses an assignment with a valid reason, that assignment may 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 if necessary.

Final exam: There will be a final examination during the examination period.

Final mark: The final mark will be calculated as

- Assignments: 20%
- Midterm tests: 60%
- Final exam: 20%

Statement regarding online learning for international students: The university has made this statement:

During this pandemic, the shift to online learning has greatly altered teaching and studying at UBC, including changes to health and safety considerations. Keep in mind that some UBC courses might cover topics that are censored or considered illegal by non-Canadian governments. This may include, but is not limited to, human rights, representative government, defamation, obscenity, gender or sexuality, and historical or current geopolitical controversies. If you are a student living abroad, you will be subject to the laws of your local jurisdiction, and your local authorities might limit your access to course material or take punitive action against you. UBC is strongly committed to academic freedom, but has no control over foreign authorities (please visit [http://www.calendar.ubc.ca/vancouver/index.cfm?tree=3,33,86,0](http://www.calendar.ubc.ca/vancouver/index.cfm?tree=3,33,86,0) for an articulation of the values of the University conveyed in the Senate Statement on Academic Freedom). Thus, we recognize that students will have legitimate reason to exercise caution in studying certain subjects. If you have concerns regarding your personal situation, consider postponing taking a course with manifest risks, until you are back on campus or reach out to your academic advisor to find substitute courses. For further information and support, please visit: [http://academic.ubc.ca/support-resources/freedom-expression](http://academic.ubc.ca/support-resources/freedom-expression).