

MATH 104: DIFFERENTIAL CALCULUS

WITH APPLICATIONS TO COMMERCE AND SOCIAL SCIENCES

MAY - JUNE, 2017

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Course website: <http://www.math.ubc.ca/~avners/courses/MATH104S2017/math104921.html>

Textbook: Calculus: Early Transcendentals with student solutions manual; *eml*, Volume 1. Fourth custom edition for UBC, by Briggs, Cochran and Gillett. The textbook is available at the UBC Bookstore. ISBN 10 digit: 1-269-91047-7. ISBN 13 digit: 978-269-91047-7. This book is available at the UBC Bookstore.

Course Description: Derivatives and rates of change, exponential and trigonometric functions, Newton's method, Taylor polynomials, maxima and minima, and graphing. Detailed learning objectives and timeline are listed on the common website.

Prerequisite: High-school calculus and one of (a) a grade of 80 Mathematics 12 or Pre-calculus 12, or (b) a satisfactory score in the UBC Mathematics Basic Skills Test.

Grading scheme:

Quizzes	50%
Final Examination	50%

Note that a student must score at least 40% on the final exam to pass the course, regardless of the grade computed by the above calculation. **Calculators are not permitted on any quiz or the final examination.**

Final Exam: The final examination in June is cumulative and covers the entire semester.

ACADEMIC MISCONDUCT: UBC takes cheating incidents very seriously. After due investigation, students found guilty of cheating on tests and examinations are usually given a final grade of 0 in the course, along with other penalties such as suspension or cancellation of a scholarships. Please refer to the Academic Calendar for more information: <http://www.calendar.ubc.ca/vancouver/index.cfm?tree=3,54,0,0>