COURSE OUTLINE

MATH 100: DIFFERENTIAL CALCULUS

with Applications to Physical Sciences and Engineering

SUMMER 2016, TERM 1

Time and location   M 4-5pm and TWTh 4-6pm in MATH 100

Instructor
Clemens Koppensteiner
Office: MATH 111
Email: clemens@math.ubc.ca
Office hours: Thursday 3-4pm (or talk to me after class)

Course website   http://www.math.ubc.ca/~clemens/teaching/S16T1/
Please check the course website regularly for announcements and additional information. The website also contains links to further resources,

Text   *Differential Calculus Notes for Mathematics 100 and 180* by Joel Feldman and Andrew Rechnitzer. The notes are available from the course website. The website also contains links to other freely available calculus textbooks. These are highly recommended for practice problems.

Homework   There will be ongoing WeBWorK assignments to be completed online. There will usually be two assignments a week, due on Friday and Monday at 11pm. Additionally there is a list of practice problems on the website. Solutions to these will not be collected.

Midterm and final exam   There will be one midterm and a final exam. The midterm will take place **May 31, 4-5pm** in class (MATH 100).
   If you have a valid conflict (e.g. an illness which has been documented by a physician, or a UBC timetable conflict), you will be allowed to write an alternate midterm at another time. In case of a known conflict, you have to contact the instructor at least a week *before* the midterm. In case of an unexpected conflict (illness), you have to contact the instructor within 48 hours after the midterm and produce appropriate documentation within a week. In any other circumstance a score of 0 will be given.
   The date of the final exam will be announced by the university about halfway through the term. It will be in the week from June 20 to 24. Final exams cannot be rescheduled. You will need to present your situation to your faculty's Advising Office to be considered for a deferred exam.
   The midterm and final will be closed-book. No calculators or other electronic devices will be allowed.

Grading scheme   Final exam 60%, midterm 30%, WeBWorK 10%.

Quizzes   Every Thursday there will be a quiz. The quizzes are intended as exam practices and to provide feedback. They will not be graded, but it is highly recommended that you take them seriously.

General advice

- *Stay on top of the material*: this is a fast paced course. You will have to invest a significant amount of time each week outside of class.

- Be proactive: help is not going to come to find you. Ask questions, go to office hours, talk to your fellow students, etc. Resolve problems while the material is still fresh on your mind.

- Work on the homework problems: they are mainly there to help you practice the material. Solve the problems yourself, don't just copy the solutions from your friends.

- Don't give up: This is a hard course, things won't come in conveniently boxed formulas. Trying, failing, struggling, going back to another idea, making mistakes, fixing them is all part of learning something as complex as university-level mathematics.

- Consciously address what you find hard: Use the homework problems and quizzes to find out which parts of the material you don't understand and then focus on these parts.