Course Outline
Math 2000-A, Calculus and Introductory Analysis II (Honours)

Instructor: Dr. Abbas Momeni
Officce: 4249 Herzberg Building
Office hours: Tue/Thu 9:00-9:50
E-mail: momeni@math.carleton.ca
Web-page: http://www.math.carleton.ca/$\sim$ momeni

Lectures: WF 8:35-9:55 in CB 2104.
Tutorials: F 10:35-11:25 in Southam Hall 316.
Course web-site: https://www.carleton.ca/culearn
Textbook: Functions of several variables, by M Moskowitz and F. Paliogiannis (available in the bookstore).

Topics: Higher dimensional calculus, chain rule, gradient, line and multiple integrals with applications. Use of implicit and inverse function theorems, Manifolds. Real number axioms, limits, continuous functions, differentiability, infinite series, uniform convergence, the Riemann integral.

Grading scheme:
20% — Assignments
20% — Tests
30% — Mid-year Exam
30% — Final Exam

Students must obtain a grade of at least 40% in their term work (i.e. assignments, tests and the mid-year exam) in order to pass the course. The grading scheme will not be changed.

- **Assignments** In each term there will be approximately 5 assignments. Assignments will be posted on the course website, and will be due at the beginning of the specified tutorial. The best 4 assignments from each term will be used in calculating the final grade. Late assignments will not be graded.

- **Tests** There will be two 80-minute tests given in the regular lectures on the following dates:
  Friday, October 16, 2015
  Friday, February 12, 2016

- **Exams** There will be a three hour mid-year exam scheduled by the university during the fall examination period, and a three hour final exam scheduled by the university during the winter semester examination period.Exam dates cannot be changed by the instructor.

- **Notes** 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 evaluation will be counted as zero. Students who miss the final examination may be eligible for a deferred exam. Application for a deferral must be made, with appropriate documentation, to the Registrar's

Office within five working days after the examination.

Academic Accommodation

The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodation in this course, please contact the PMC at 613-520-6608 or pmc@carleton.ca for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website for the deadline to request accommodation for the formally-scheduled exam (if applicable). For pregnancy or religious obligations, write to 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.