

Department of Mathematics  
Math 3760  
Advanced Calculus, Fall 2014.

Instructor: Adam Clay  
Office: 429 Machray Hall  
Office hours: By appointment (i.e. whenever you like)  
Email: Adam.Clay@umanitoba.ca

**Course website:** [http://server.math.umanitoba.ca/~claya/math3760\\_2014.html](http://server.math.umanitoba.ca/~claya/math3760_2014.html)

This website contains all the information on this sheet, but will also contain any notes, assignments, etc.

**Textbooks:** The course will follow the book *Mathematical Analysis* by Tom Apostol, second edition. We will cover Chapters 1–5 rather quickly, as they are essentially review, and then Chapters 6–14 between now and the end of the academic year. It may become necessary to skip some material due to time restrictions, e.g. Chapter 8, or it may become possible to add some material if we go quickly.

**Marking:** Your final grade will be 70% assignments, there will be seven of them, and 30% final project (meaning an independently researched essay related to the course material).

**Academic Dishonesty:** The Department of Mathematics, the Faculty of Science and the University of Manitoba regard acts of academic dishonesty in quizzes, tests, examinations or assignments as serious offenses and may assess a variety of penalties depending on the nature of the offense. Acts of academic dishonesty include bringing unauthorized materials into a test or exam, copying from another student, plagiarism and examination personation. Students are advised to read Section 7 (Academic Integrity) and Section 4.2.8 (Examinations: Personations) in the "General Academic Regulations and Requirements" of the current Undergraduate Calendar. Note, in particular that cell phones and pagers are explicitly listed as unauthorized materials, and hence may not be present during tests or examinations.

Penalties for violation include being assigned a grade of zero on a test or assignment, being assigned a grade of "F" in a course, compulsory withdrawal from a course or program, suspension from a course/program/faculty or even expulsion from the University. For specific details about the nature of penalties that may be assessed upon conviction of an act of academic dishonesty, students are referred to University Policy 1202 (Student Discipline Bylaw) and to the Department of Mathematics policy concerning minimum penalties for acts of academic dishonesty.

The Student Discipline Bylaw is printed in its entirety in the Student Guide, and is also available on-line or through the Office of the University Secretary. Minimum penalties assessed by the Department of Mathematics for acts of academic dishonesty are available on the Department of Mathematics web page.

All Faculty members (and their teaching assistants) have been instructed to be vigilant and report incidents of academic dishonesty to the Head of the Department.