

Math 1LS03 Calculus for the Life Sciences Information Sheet
Term 1 Summer 2009

Instructor:

Dr. Salih Azgin, HH 409, sazgin@math.mcmaster.ca

Office Hours: Monday 15:00–16:30, Wednesday 14:30–16:00

TA:

Yao Wang, wangy94 at mcmaster.ca

Office Hours: 12:00-13:30 Tuesday, behind the “Math Cafe” located in the entrance of Hamilton Hall

Website: <http://www.math.mcmaster.ca/~sazgin/1LS03/1LS03.html>

Text: *Modeling the Dynamics of Life* by Frederick Adler, published by published by Nell Thomson Brooks/Cole, 2008, ISBN10: 0176476342.

Course outline: Linear functions, polynomials, rational functions, exponential and logarithmic functions, derivative and its applications, integrals, integration techniques and applications.

Lectures, Tutorials, Office Hours: There will be two lectures per week, Monday and Wednesday 19:00–22:00pm at BSB-B135. There are no tutorials. There is a TA available for the course, Yao Wang. He will be holding office hours (in addition to the instructor’s office hours, see above) between 12:00-13:30 Tuesdays, behind the “Math Cafe” located in the entrance of Hamilton Hall. There is no attendance requirement but all the students are encouraged to attend the lectures. Listening to the lectures, taking notes, following the instructor solve examples is an integral part of the learning process. Keep in mind that the quizzes and midterms are going to be in-class, see below for details.

Assessment: Your grade will be based on three quizzes, two midterms and the final exam. The quizzes and the midterms will be in-class. Precise arrangements for the final exam will be announced later. Tentative dates are:

Monday May 11th: Quiz 1

Wednesday May 20th: MIDTERM 1

Wednesday May 27th: Quiz 2

Wednesday June 3rd: MIDTERM 2

Wednesday June 10th: Quiz 3

Wednesday June 17th: FINAL

The distribution is as follows, although the instructor reserves the right to change the weight of any portion of this marking scheme. (The lowest quiz grade will be dropped.)

Quizzes 20%
Midterm I — 20%
Midterm II — 20%
Final — 40%

Homework: There will be weekly homework assignments from the book, which will not be graded. The homework is intended to be a studying guide for the students. Theoretical knowledge must be put to work by solving these questions. This need not be an isolating activity. You are encouraged to discuss these problems with your friends and ask questions about them during the office hours. I cannot stress too strongly that to learn mathematics you must DO it. Following someone's solution is not the same thing as you solving the question. The exams will involve solving problems similar to the assigned homework problems.

Important reminders:

Only excuses validated by the Dean's office will be accepted for missing any examinations. You must bring your student ID to the midterms and the final exam.

Only the McMaster standard calculator, the Casio fx 991, may be used during tests and the final exam.

Final Policy Notes:

(i) It seems unfortunate but necessary to reproduce the words of the dean on cheating: *Academic dishonesty consists of misrepresentation by deception or by other fraudulent means and can result in serious consequences, e.g. the grade of zero on an assignment, loss of credit with a notation on the transcript (notation reads: "Grade of F assigned for academic dishonesty"), and/or suspension or expulsion from the university.*

It is your responsibility to understand what constitutes academic dishonesty. For information on the various kinds of academic dishonesty please refer to the Academic Integrity Policy, specifically Appendix 3, located at

<http://www.mcmaster.ca/senate/academic/ac-integrity.htm>

The following illustrates only three forms of academic dishonesty:

Plagiarism, e.g. the submission of work that is not one's own or for which other credit has been obtained.

Improper collaboration in group work.

Copying or using unauthorized aids tests and examinations.

(ii) The instructor reserves the right to change or revise information contained in this course outline.