Instructors*:  ______________________________________________________
Office/Tel No.:  ______________________________________________________
Office hours:  ______________________________________________________

*Students should get the above information from their instructor during class time. The instructor is the person to contact should there be any questions about the course.

Prerequisite:  CEGEP Mathematics 105 or 201-NYC, 203 or 201-NYB or equivalent.

Exclusions:  This course is an introduction to computer algebra using Mathematica. It may not be taken for credit simultaneously with, or after having completed, a course of a similar nature.

Class Structure:  The class takes place in a computer lab and consists of a lecture portion and an instructor-supervised problem-solving session.

Class work:  To receive credit for the problem-solving session, you must show your work to the instructor before leaving class. There is no option to submit this work at a later date.

Assignments:  Assignments will be given approximately on a bi-weekly basis and must be submitted via Moodle by the date and time indicated. Solutions will be posted on Moodle. You may discuss the problems with your classmates and ask the instructor for help. However, you must write your solutions independently (without someone else’s work in front of you). You may not actively solicit help on internet forums (aside from the ‘Student discussion forum’ on Moodle), though you are permitted to search the internet for help.
Midterm test: There will be one midterm test, given in the lab using Mathematica. There is no option for a ‘make-up’ test.

Evaluation: You will be evaluated according to the following scheme. There is no ‘100% final’ option in this course and no supplemental examination.

Class work 5%
Assignments 15%
Midterm test 20%
Final exam 60%

All assignments are mandatory.

If the grading scheme for this course includes graded assignments, a reasonable and representative subset of each assignment may be graded. Students will not be told in advance which subset of the assigned problems will be marked and should therefore attempt all assigned problems.

Mathematica: All course work will be carried out using the computer algebra system Mathematica. This software is installed in the computer lab. Concordia University also has a site license for Mathematica, which allows you to download the software and use it on your own computer. Instructions for doing so are given in MyConcordia under ‘Software and Applications > Mathematica’. You may also work in the Math department undergraduate lab, and may borrow a laptop from the library (Mathematica will be installed).

Moodle: All course materials will be posted to the course Moodle website. Students are expected to check this website on a regular basis.

Topics: Graphing in two and three dimensions, lists, functions, number systems, algebraic and transcendental equations, differentiation and applications, integration and applications, programming, probability and statistics, linear algebra and applications. Additional topics may be included as time permits.

Academic Integrity and the Academic Code of Conduct
This course is governed by Concordia University’s policies on Academic Integrity and the Academic Code of Conduct as set forth in the Undergraduate Calendar and the Graduate Calendar. Students are expected to familiarize themselves with these policies and conduct themselves accordingly. "Concordia University has several resources available to students to better understand and uphold academic integrity. Concordia’s website on academic integrity can be found at the following address, which also includes links to each Faculty and the School of Graduate Studies: concordia.ca/students/academic-integrity." [Undergraduate Calendar, Sec 17.10.2]