Math 1Z04 (08/09) Course Outline

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Course Home Page

- The course home page is NOT on WebCT. It is accessible from the link at the following web site: http://www.math.mcmaster.ca/childsa/childs.html

Course Description

- **Course Title:** Math 1Z04 - Engineering Mathematics I
- **Class Times and Locations:** See the registrar's web site (Select MATH-MATHEMATICS as the subject, and then press "Find". Then press "Search Results Timetable")

Section 1 (C01) Instructor Information

- **Name:** Cesar Velez
- **email:** cvelez@math.mcmaster.ca
- **Office Location:** HH/327
- **Office Hours:** Monday 2:30pm-3:30pm and Thursdays 10:30am-11:30am
- **Phone:** Ext. 23413

Section 2 (C02) Instructor Information

- **Name:** Aaron Childs
- **email:** childsa@mcmaster.ca
- **Office Location:** HH/213
- **Office Hours:** Monday 1:30pm-2:20pm (Except Oct. 6), Tuesday 11:30am-12:20pm, Wednesday 11:30am-12:20pm, Thursday 11:30am-12:20pm, Friday 1:30pm-2:20pm
- **Phone:** Ext. 23426

Section 3 (C03) Instructor Information

- **Name:** Bartosz Protas
- **email:** bprotas@mcmaster.ca
- **Office Location:** HH/326
- **Office Hours:** Monday 1:30pm-2:30pm and Wednesday 10:30am-11:30am
- **Phone:** Ext. 24116

Textbook

- **Required:**
  -*Calculus, Early Transcendentals, 6th Edition*, James Stewart, Brooks/Cole

-Calclabs with Maple for Single Variable Calculus
-Calclabs with Maple for Multivariable Calculus
(or Calclabs with Maple Custom Edition, which includes the sections that you will need from both of the above Calclabs manuals)

- **Optional:**
  - Student Solutions Manual for Single Variable Calculus, Early Transcendentals
  - Student Solutions Manual for Multivariable Calculus
  - Maple 11 (or later) Software (earlier versions of Maple cannot be used)
- A copy of the textbook and solutions manual are available on reserve in Thode Library
- **Note:** The previous (5th) edition of the textbook cannot be used unless you have access to the exercises in the 6th Edition, the answers and solutions manual for the 6th Edition (optional), and you know and understand the correspondence of sections between the 6th and 5th Edition (described on page xii of the 6th Edition)

Material Covered

- All Sections covered in the Suggested Problems
- **Major Topics:** Trigonometry, exponential and logarithm functions, inverse functions, limits, continuity, derivatives, infinite sequences and series, vectors

Lab Information

- There will be 5 lab assignments which will require the use of Maple (Version 11 or later) and will be submitted by email
- You do not have to attend any scheduled lab times. But TAs will be available if you need help at the times given on the Lab information page
- All information about lab assignments is available on the Lab information page

Test Information

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- Calculators are NOT allowed on any of the tests or exams
- Some sample tests are available on the Suggested Problems pages
- **Dates:**
  Test #1: Evening of Friday October 3rd (75 minutes)
  Test #2 (Midterm Exam): Evening of Friday October 24th (2 hours)
  Test #3: Evening of Friday November 14th (75 minutes)
- Check the Announcements part of the course web site for room and time information, and for instructions on what to do if you have a conflict with the test time

Course Evaluation

- **Your final mark will be calculated as follows:**
  5 Lab Assignments - 3% each
  Tests 1 and 3 - 12.5% each
  Test 2 (Midterm Exam) - 20%
  Final Exam - 40%
  Notes:
- If any of the tests or lab assignments are missed because of a family matter or illness you should contact your Associate Dean WITHIN 48 HOURS of the missed work with the appropriate documentation. In this case, the percentage for the missed lab assignment will be distributed among your remaining lab assignments, and the percentage for a missed test or midterm exam will be added to your final exam.

Academic Dishonesty 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/univsec/policy/AcademicIntegrity.pdf The following illustrates only three forms of academic dishonesty: 1. Plagiarism, e.g. the submission of work that is not one's own or for which other credit has been obtained. 2. Improper collaboration in group work. 3. Copying or using unauthorized aids in tests and examinations.

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