

Math 1ZA3 (10/11) Course Outline

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Course Home Page

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

Course Description

- **Course Title:** Math 1ZA3 - 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:** [Aaron Childs](#)
- **email:** childsa@mcmaster.ca
- **Office Location:** HH/213
- **Office Hours:** Click [here](#)

Section 2 (C02) Instructor Information

- **Name:** [Chris McLean](#)
- **email:** mcleac3@math.mcmaster.ca
- **Office Location:** BSB/B124
- **Office Hours:** Monday 4:30pm-5:30pm and Tuesday 1:30pm-2:30pm.

Section 3 (C03) Instructor Information

- **Name:** [Ben Mares](#)
- **email:** mares@math.mcmaster.ca
- **Office Location:** HH/423
- **Office Hours:** Monday 3:30pm-4:30pm and Tuesday 2:30pm-3:30pm

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 electronically using our online submission system.
- 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

- Calculators are NOT allowed on any of the tests or exams
- Some sample tests are available on the [Suggested Problems](#) pages
- **Tentative Dates** (subject to change):
 - Test #1:** Evening of Thursday October 7th (75 minutes)
 - Test #2 (Midterm Exam):** Evening of Friday October 29th (2 hours)
 - Test #3:** Evening of Friday November 19th (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:

- At the end of the course the grades may be adjusted, but this can only increase your grade and will be done uniformly. We will use the grade equivalence chart published in the Undergraduate Calendar to convert between percentages and letter grades.
- 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.
- The instructor and university reserve the right to modify elements of the course during the term. The university may change the dates and deadlines for any or all courses in extreme circumstances. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on changes. It is the responsibility of the student to check their McMaster email and course websites weekly during the term and to note any changes.

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/policy/Students-AcademicStudies/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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