

Math 1ZZ5 (08/09) Course Outline

Table of Contents

- [Course Home Page](#)
- [Course Description](#)
- [Instructor Information](#)
- [Lab Information](#)
- [Textbook](#)
- [Material Covered](#)
- [Test Information](#)
- [Course Evaluation](#)
- [Academic Dishonesty](#)

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 1ZZ5 - Engineering Mathematics II
- **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:** Mondays 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:** Mondays 12:30pm-1:20pm, Tuesdays 1:30pm-2:20pm, Wednesdays 10:30am-11:20am, Thursdays 2:30pm-3:20pm, Fridays 2:30pm-3:20pm

Section 3 (C03) Instructor Information

- **Name:** [Bartosz Protas](#)
- **email:** bprotas@mcmaster.ca
- **Office Location:** HH/326
- **Office Hours:** Mondays 1:30pm-2:30pm, Wednesdays 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)
- Math 1ZZ5 Custom Courseware
- **Optional:**
 - Student Solutions Manual for Single Variable Calculus, Early Transcendentals
 - Student Solutions Manual for Multivariable Calculus
 - Maple 11 (or later) Software (earlier version of Maple cannot be used)
 - Matlab 7 (or later) Software (earlier versions of Matlab cannot be used)
- A copy of the textbook and solutions manual are available on reserve in Thode Library. The custom courseware will **not** be put on reserve.
- **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:** Integration and applications, differential equations, parametric curves, multivariable calculus, complex numbers, vector spaces, systems of linear equations, matrices and determinants.

Lab Information

- There will be 5 lab assignments, 4 of which will require the use of Maple (Version 11 or later), and 1 of which will require the use of MATLAB (Version 7 or later). All of them will be submitted by email
- 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 Thursday January 29
 - Test #2:** Evening of Thursday February 12
 - Test #3 (Midterm Exam):** Evening of Thursday March 5
 - Test #4:** Evening of Thursday March 26
- 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, 2, and 4 - 10% each
 - Test 3 (Midterm Exam) - 15%
 - 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.

[Back to the Math 1ZZ5 Information Page](#)