McMaster University

Mathematics and Statistics

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Math 1B03 Term 2/1ZC3
Course Outline
(Winter 2020)

Course Home Page
- The course home page is NOT on Avenue to Learn. It is on childsmath.

Course Description
- **Course Title:** Math 1B03 Term 2/1ZC3 - Linear Algebra I/Engineering Mathematics II-B
- **Class Times and Locations:** Check Mosaic

Instructor Information

Math 1B03 Section 1 (C01) Instructor Information
- **Name:** Ryan Spitler
- **Email:** spitlerr@mcmaster.ca
- **Office Location:** HH/311
- **Office Hours:** Tuesday, Wednesday, and Thursday 1:00pm-2:00pm

Math 1B03 Section 2 (C02) Instructor Information
- **Name:** Gregory Cousins
- **Email:** cousingd@mcmaster.ca
- **Office Location:** HH/423
- **Office Hours:** Tuesday 5:30pm-6:30pm, Wednesday 9:30am-10:30am, or by appointment.

Math 1ZC3 Section 1 (C01) Instructor Information
- **Name:** Chris McLean
- **Email:** mcleac3@math.mcmaster.ca
- **Office Location:** BSB/B124
- **Office Hours:** Monday 11:00am-12:00noon, Tuesday 12:00noon-1:00pm, Thursday 11:00am-12:00noon, Friday 9:30am-10:30am

Math 1ZC3 Section 2 (C02) Instructor Information
- **Name:** Aaron Childs
- **Email:** childsa@mcmaster.ca
- **Office Location:** HH/213
- **Office Hours:** Click here

Math 1ZC3 Section 3 (C03) Instructor Information
- **Name:** Will Rushworth

- **Email:** rushworw@mcmaster.ca
- **Office Location:** HH/319
- **Office Hours:** Wednesday 10:30am-11:30am and Friday 2:30pm-3:30pm

Math 1ZC3 Section 4 (C04) Instructor Information
- **Name:** [Gregory Cousins](#)
- **Email:** cousingd@mcmaster.ca
- **Office Location:** HH/423
- **Office Hours:** Tuesday 5:30pm-6:30pm, Wednesday 9:30am-10:30am, or by appointment.

Textbook
- **Required:** *Elementary Linear Algebra - Applications Version*, 11th Edition, Anton and Rorres, Wiley
  (**Note:** Older editions can be used, as long as you have access to the exercises in the 11th edition.)
- **Optional:**
  Student Solutions Manual for Elementary Linear Algebra - Applications Version
  Matlab (Version 7 or later) Software

  A copy of the textbook and solutions manual are available on reserve in Thode Library.

- **Bookstore Link to Course Materials** is [here](#)

Material Covered
- All sections covered in the suggested problems.
- **Major Topics:** Systems of linear equations and matrices, determinants, euclidean vector spaces, eigenvalues and eigenvectors, complex numbers, general vector spaces, applications. Here are the learning objectives.

Assignment Information
- There will be 6 online assignments. See the Important Dates for the due dates.

Lab Information
- There will be 5 labs which will require the use of Matlab (Version 7 or later). See the Important Dates for the due dates.
- 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 labs 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 under 'Content Groups' to the left.
- **Tentative Dates** (subject to change):
  Test #1: Monday February 24th
  Test #2: Monday March 23rd
- Check the Announcements for room and time information, and for instructions on what to do if

you have a conflict with the test time.

Course Evaluation

6 Assignments - 2% each

5 Labs - 2% each

2 Tests - 19% each

Final Exam - 40%

- 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.
- 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.

Missed Work Policy

- If you are absent from the university for a minor medical reason, lasting fewer than 3 days, you may report your absence, once per term, without documentation, using the McMaster Student Absence Form. Absences for a longer duration or for other reasons must be reported to your Faculty/Program office, with documentation, and relief from term work may not necessarily be granted. When using the MSAF, report your absence to childsa@mcmaster.ca. Please note that the MSAF may not be used for term work worth 25% or more, nor can it be used for the final examination. For more information look here.
- If your MSAF form was received then the word "note" will appear in place of your mark on the marks page. This will show up within one week after you filled out the MSAF form. If you don't see the word "note" in place of your mark for the missed work one week after filling out the MSAF form, then send an email to Dr. Childs. If you do see the word "note" in place of your mark, then no follow-up is required.
- The percentage for a missed test will be added to your final exam.
- The percentage for a missed assignment or lab will be distributed among your remaining assignments or labs.

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.

Accommodation of Students With Disabilities

- Students with disabilities who require academic accommodation must contact Student Accessibility Services (SAS) to make arrangements with a Program Coordinator. Student Accessibility Services can be contacted by phone 905-525-9140 ext. 28652 or e-mail sas@mcmaster.ca. For further information, consult McMaster University's Academic Accommodation of Students with Disabilities policy.

RISO Policy

- Students requiring academic accommodation based on religious, indigenous or spiritual observances should follow the procedures set out in the RISO policy. Students requiring a RISO accommodation should submit their request to their Faculty Office normally within 10 working days of the beginning of term in which they anticipate a need for accommodation or to the Registrar's Office prior to their examinations. Students should also contact their instructors as soon as possible to make alternative arrangements for classes, assignments, and tests.