

# Math 1C03 Fall 2017 Course Outline

[ms.mcmaster.ca/lovric/1C3.html](http://ms.mcmaster.ca/lovric/1C3.html)

You are expected to check the web page often, at least after each lecture (if you think you will not be able to do it, talk to your lecturer as soon as possible)

## Course Instructor:

Miroslav Lovric (office: Hamilton Hall 411)  
email: [lovric@mcmaster.ca](mailto:lovric@mcmaster.ca)  
office hours TBA on the course web page

## Teaching Assistants:

TBA on the web page

**Lectures AND tutorials are integral parts of the course and you should plan to attend them regularly.** Part of the mark might be earned by attendance and participation in class activities.

## Textbook and readings:

*An Introduction to Mathematical Thinking: Algebra and Number Systems* by Gilbert and Vanstone, Pearson Education 2005. ISBN: 0-13-184868-2. ANY EDITION IS GOOD.

We will also consult:

Calculus 1X3, 1XX3 and Linear Algebra 1B3 textbooks

Internet sources

Math software, such as WolframAlpha or Maple

## Material covered in the course consists of numerous activities with the purpose of:

- Learning about various areas of mathematics and statistics
- Practicing mathematical thinking and problem-solving in different contexts (including number theory, calculus and linear algebra)
- Learning how to write mathematics and construct proofs

## Activities are the most important part of the course. Plan to attend all lectures and tutorials and participate in activities:

- Many lectures and tutorials will consist of problem-solving activities which you will be asked to do (on your own, or in most cases with someone else, if you wish)
- Some activities will be handed in for credit (mostly for attendance); others will be handed in for credit in the next lecture (think of this as homework assignments)
- Some activities include (announced) in-class quizzes for grades, which could be done in tutorials
- Some activities will include working with WolframAlpha and/or Maple. Do not buy any software for this course.
- Standard McMaster calculator Casio fx 991 (or lower) may be used during any activity

**Tests:**

- For test dates, consult the course web page
- Details (e.g., material that will be covered, test locations, etc.) will be announced on the course web page about a week before a test
- Tests are written during class time; dates (including location) are posted on the web page
- You must bring your ID to each test
- Standard McMaster calculator Casio fx 991 MS or MS+ may be used during tests

**Final Examination:**

- Time/day will be scheduled by the Registrar and announced on the course web page as soon as the information becomes available.
- Details (e.g., material that will be covered, final examination locations, etc.) will be given in class and announced on the course web page
- Standard McMaster calculator, Casio fx 991MS or Casio fx 991MS+ ONLY may be used during final exam (if you don't have one don't buy it – borrow from someone)

**Course Evaluation:**

- Activities (in-class, assignments, quizzes; check web page) 15%
- Three tests (15% each) 45%
- Final Exam 40%

The instructor reserves the right to change the weight of any portion of this marking scheme. For students in good academic standing, other weights might be considered. In either case, the final mark will be computed using this weighting and the new weighting(s). The highest score for a particular student will be her/his final mark. 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.

**In case of difficulty/problems:**

Contact your instructor (in person, or by email) as soon as possible. Failing that, talk to a student adviser in your faculty. They can help you with all kinds of issues and academic inquiries (such as longer or repeated absences, requests for deferral of exams, course selection, adding or dropping courses, getting in and out of various programs, and so on). If you are in Science, check [Associate Dean's Office web page](#), or go to the Associate Dean's Office in BSB-129.

**Policy regarding missed work:**

If you have missed work, it is your responsibility to take action.

If you are absent from the university for a minor medical reason, lasting fewer than THREE 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. Check the course web page to see how missed work is treated in 1C03. Note that the MSAF may not be used for term work worth 25% or, nor can it be used for the final examination.

Please note! Once a final examination is written, the final grade cannot be adjusted to take into account any special situation.

**Academic dishonesty:**

You are expected to exhibit honesty and use ethical behaviour in all aspects of the learning process. Academic credentials you earn are rooted in principles of honesty and academic integrity.

Academic dishonesty is to knowingly act or fail to act in a way that results or could result in unearned academic credit or advantage. This behaviour 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 types of academic dishonesty please refer to the Academic Integrity Policy, located at <http://www.mcmaster.ca/academicintegrity/>

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.

**Your marks:**

At the end of the term, all grades in the course will be posted (by student number). It is your responsibility to check for errors before the day of the final exam, and to report any discrepancies to your instructor or to your TA. No error will be corrected unless reported by this time.