

Math 1AA3 Calculus for Science II Winter 2012
<http://www.math.mcmaster.ca/courses/20112012/term2/math1aa3/>
Test Dates CORRECTED

Instructors:

Dr. T.R. Hurd (coordinator): HH416, ext. 27304, hurdt@mcmaster.ca

Office Hours: Monday, Wednesday, Thursday 12:00–1:00pm

Dr. Ronan Conlon: HH319, ext. 23403, ronan_conlon@hotmail.com

Office Hours: Monday, Thursday 11:00am-12:00pm, Tuesday 12:00-1:00pm.

Dr. Owen Baker: HH423, 27365, obaker@math.mcmaster.ca

Office Hours: Monday, Wednesday, Friday 9:30-10:30am

Aims of the course: This course continues where Math 1A03 leaves off, aiming to instill understanding and facility in the methods and uses of differential and integral calculus. The major topics include: improper integrals, differential equations, polar coordinates, parametrized curves, sequences, infinite series, Taylor series, plus science applications.

Textbooks: 1. The required text for the course is: “Calculus: Early Transcendentals, 7th edition”, by James Stewart, published by Thomson Brooks/Cole. Students may use other editions, but this will not be supported by the instructors. That is, students are responsible for comparing the editions and being aware of discrepancies. All references to the text, including recommended problems, will be to the seventh edition.

2. WebAssign <http://www.webassign.net> is not required, but is highly recommended. It comes bundled with the Stewart text when you purchase it. It will provide immediate feedback on assignment problems, as well as hints on how to proceed if you get stuck. When you register for Web Assign, please use your McMaster userid as your username, and include your student ID number. We will let you know the webassign password on the first day of class.

Assessment: Your final grade in the course is based on different components of work. The continuous assessment portion consists of optional weekly WebAssign homework assignments plus three mandatory written assignments. The examined portion of the grade comes from two midterms and one final exam. In case you choose not to buy WebAssign access and thus do not submit the weekly homework, an alternative grading scheme is available. You do not need to choose between the following grading schemes – you will automatically receive the better of the two scores.

Grading Scheme I

Online homework	10%
Written homework	5%
Midterm I	20%
Midterm II	20%
Final	45%

Grading Scheme II

Written homework	10%
Midterm I	20%
Midterm II	20%
Final	50%

Assignments will be placed in the Math 1AA3 lockers found next to HH105. Marked assignments will be returned in class.

Important note: Late assignments will not be marked. Solutions will be posted on WebAssign shortly after the due time has passed.

The midterms are scheduled for 6:45 pm in the evenings of the following dates (CORRECTED, unlikely to change) Midterm I, Tuesday February 7; and Midterm II, Tuesday, March 6. There are no make-up exams. If you miss a midterm, with an excused absence (reported through the MSAF), the associated 20% will be redistributed to the other components of the course. Students must report any schedule conflicts to the course coordinator within the first two weeks of classes.

There will be a three-hour exam held during the exam period in April, scheduled by the Registrar's Office. The topics covered and other information will be announced in class. You must bring your student ID to the midterms and the final exam. Only the McMaster standard calculator Casio fx-991 will be allowed in the midterms and final exam.

A word on collaboration You are encouraged to discuss problems and general ideas with each other: mathematics can be a sociable activity. What you may not do is to copy someone else's work: all work submitted must be your own. To be completely clear about the boundaries of collaboration, you may print out a WebAssign assignment and ask your instructor, TA, or another student for help on how to do the problems. You may discuss the solution to a homework assignment with other students. However, you may not have another student work the problem out for you, and then copy the solution.

Tutorials: There will be a mandatory one-hour tutorial every week:

T01	Mondays	14:30-15:20	BSB/B135
T02	Tuesdays	11:30-12:20	BSB/B135
T03	Thursdays	08:30-09:20	BSB/B135

Math Help Centre: More personalized assistance can be obtained by coming to the Math Drop-In Centre on the first floor of Hamilton Hall in room 104, M–R 2:30–8:30, F 2:30–6:30. Tutors are freely available to assist with calculus questions. More detailed information is available at

http://www.math.mcmaster.ca/undergraduate/dropin_center.php

MSAF: If you are absent from the university for a minor medical reason, lasting fewer than 5 days, you may, once per term, report your absence 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 hurdt@mcmaster.ca. If you have missed a midterm, your excused absence will be recorded, and the weight of the midterm will be redistributed to other components of the course. If you have missed a homework deadline, there will be no alternative deadline. So make sure to plan ahead and get your homework finished early. You may contact Dr Hurd at hurdt@mcmaster.ca to confirm that the MSAF has been received. Please note that the MSAF may not be used for term work worth 30% or more, nor can it be used for the final examination.

Senate policy statements:

1. Exemptions from course work

Students seeking an exemption for an assignment, project or mid-term test must contact the office of the Associate Dean (Studies) of their Faculty within a week from the test date with proper documentation, e.g., a doctors note. The co-ordinator will act on the exemption only after receiving official communication from the relevant Associate Deans office that the grounds for exemption have been accepted. Deferrals for the final exam are handled exclusively by the Associate Deans office. The percentages for exempted tests will be transferred to the final exam.

2. Academic ethics

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 a academic dishonesty please refer to the Academic Integrity Policy, specifically Appendix 3:

<http://www.mcmaster.ca/policy/Students-AcademicStudies/AcademicIntegrity.pdf>

The following illustrates only three forms of academic dishonesty:

- (a) Plagiarism, e.g., the submission of work that is not one's own or for which other credit has been obtained.
- (b) Improper collaboration in group work.
- (c) Copying or using unauthorized aids in tests and examinations.
- (d) Collaboration in written assignments - Discussions about assignments are allowed and are generally beneficial. However, you must write up solutions of the assignment problems by yourself and in your own words. Copying with minor changes (e.g., with symbols changed or with slightly different wording) from solutions prepared by another person or publication, in whatever format, will be dealt with as an act of plagiarism.

3. Course Modifications

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.