
MATH 2R03 - Linear Algebra II

SUMMER 2011

Time/Location

Tu Th 19:00–22:00 HH/109

Instructor

George Dragomir

Office: HH/408

Office hours: Tu Th 17:30–18:30 or by appointment

E-mail: dragomir@math.mcmaster.ca (please include “math 2r03” in the subject line)

Textbook

Anton & Rorres: *Elementary Linear Algebra: Applications Version*, 9th ed.

(OPTIONAL) Anton & Rorres: *Student Solution Manual to Elementary Linear Algebra*

Course webpage

Course announcements and other relevant material can be found at:

<http://www.math.mcmaster.ca/dragomir/math2r03>

Course description

This is a continuation of ‘*Linear Algebra I*’ course. Topics include real and complex vector spaces and subspaces, inner product spaces, linear transformations, and applications. A **tentative** weekly breakdown of the topics to be covered in class can be found on the course webpage.

Course format

This is a 3-hours lecture course meeting twice a week, on Tuesday and Thursday during Term 2 of Spring/Summer 2011. The lectures represent the essential content of the course and, unless otherwise indicated, you are responsible for **all the material covered in lectures**. If you miss a lecture, it is **your responsibility** to find out what has been covered in your absence.

Homework

Homework consisting of a set of **recommended problems** will be assigned at the end of each lecture and will be posted on the course webpage. The recommended problems are **not** to be turned in. However, for a better understanding of the material presented in class, you

are strongly encouraged to work through these problems. At least one question in each test will be taken *ad litteram* from the recommended problems.

Assignments

There will be **three** assignments given throughout the term. The assignments are to be typed or written neatly and placed in the assignment drop off locker(s) labeled MATH 2R03 situated on the 1st floor in Hamilton Hall. The assignments are to be dropped off **before 7:00 PM** on the date they are due. **No late assignments will be accepted.** The assignments will be posted on the course webpage and due dates will be given. A **tentative** schedule of these dates can be found on the course webpage.

Exams

There will be **two** in-class written exams during the term. The **midterm exam, tentatively** scheduled for July 14, will be approximately two hours in duration and will cover the material presented during the first six lectures. The **final exam** is cumulative, will be three hours in duration, and will take place during the last class on August 4.

Grading

The formula of the course grade is as follows:

Assignments (5% each)	15%
Midterm exam	35%
Final exam	50%
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Total	100%

Note! If you miss an exam or a homework assignment due date due to illness or other emergency, you should contact your Associate Dean **WITHIN A WEEK** and you must submit a medical certificate from Student Health Services or a doctor to the Office of the Associate Dean of your faculty. Only students with documented excuses from the Associate Dean will be excused from a test or an assigned homework submission.

Only the standard McMaster calculator Casio fx 991MS+ can be used for the midterm and the final examination.

Important message

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 Integrity

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 ones 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.

Requests for Relief for Missed Academic Term Work

For absences from classes lasting up to 5 days:

Using the McMaster student absence form (**MSAF**) on-line, self-reporting tool, undergraduate students may report absences lasting up to 5 days and may also request relief for missed academic work. The submission of medical or other types of supporting documentation is normally not required. Students may use this tool to submit a maximum of two requests for relief of missed academic work per term. Students must immediately follow up with their course instructors regarding the nature of the relief. Failure to do so may negate the opportunity for relief. It is the prerogative of the instructor of the course to determine the appropriate relief for missed term work in his/her course.

For absences from classes lasting more than five days:

Students who are absent more than five days cannot use the on-line, self-reporting tool to request relief. They **MUST** report to their Faculty Office to discuss their situation and may be required to provide appropriate supporting documentation. If warranted, students will be approved to use a discretionary version of the MSAF on-line, self-reporting tool.