

INSTRUCTOR: Peter Taylor, Jeffery 513, 533-2434.

Office hours: Jeff 513 by appointment. peter.taylor@queensu.ca

LECTURES Slot 14, WLH 205

TUTORIAL Tues. 3:30-4:30 and 4:30-5:30 BIOSCI 1103 (**optional**)

TUTORS Samantha Drover 7sd24@queensu.ca

David Kong 9xmk@queensu.ca

Simon Kotwicz 8hsk@queensu.ca

TEXT: Linear Algebra Class Notes and Problems.

Cost is \$30 cash (or cheque made out to Dept Math&Stats) and this will also provide you with your class T-shirt. Buy a 3-ring binder to hold these plus other notes you will want to take. Keep a bunch of blank paper in your binder too. You will bring these notes to class and will write on them as a way of taking notes. Some of the examples in the notes will be assigned for you to study on your own or with others. You may ask about these in the tutorial.

PREREQUISITES. What's important is not so much what you've learned, but how good a learner you are. You definitely need a solid grounding in high school algebra. It helps if you've worked a bit with vectors and matrices, but that's not essential. We'll start all that from the beginning. Problem-solving skills will help you too. Hopefully you will develop these during the course.

COURSE WEB PAGE. <http://www.mast.queensu.ca/~math111/>

Current News and announcements, complete course notes, assignments, solutions, etc. will appear here.

Do not email the instructor with questions about course logistics without consulting this sheet or the web-page first. Often what you want to know will be right here.

The Math Help Centre, Jeff 201 is staffed most of the time and 111 help is available there.

You are urged not to miss lectures—many of the applications will be difficult to understand or master without the experience of the classroom. Even more—the class is more than a collection of individual learners; it is a community which grows and develops throughout the year. If you're not there, the community is diminished.

Summary of marks:	10 assignments	20
	2 mid-term tests	20 (Nov 2 and Mar 7)
	December exam	30
	April exam	30

The terms will be treated separately, with 50 marks per term and both exams treated as final exams and covering only the material of that semester. Note that all marks given in the course will be numeric and at the very end they will be translated to grade point equivalents.

MATH 111 ASSIGNMENTS. **Term 1 Sept. 30, Oct. 14, 28, Nov. 18, Dec. 2**
Term 2 Jan. 27, Feb. 10, Mar. 2, 23, April 6.

Read this carefully: There are 10 assignments to be submitted in class. They will be looked at by me and a TA and returned in class. You might consider ways to identify your assignment easily such as a coloured stripe or a distinctive marker. Solutions will be posted and the assignments will be discussed in class or in tutorials. The emphasis for these assignments will be on the quality of your work, including organization, correctness, writing style and clarity. You are free and even encouraged to talk about the assignments with fellow students, but collaboration should not go outside the class.

These assignments will be self-assessed! To receive any marks you must adhere to the following format.

- paper size must be $8\frac{1}{2}\times 11$.
- multiple pages must be stapled together with one staple in the upper left-hand corner.
- at the top of the first page you must put your name on the left with your Queen's email (e.g. 8pdt2) and your student number on the right
- in the top centre of the first page put a single integer between 0 and 10 indicating **your estimate of the quality of your work**, where quality is to be assessed with a mixture of **your own effort and the absolute excellence of the solution**.

Self assessment requires honest reflection, and we will use your assessment to assign your grade. If your estimate is between 7 and 10 you will receive 2 marks; if between 4 and 6 you will receive 1 mark, and if less than 4 you will receive no marks. If you submit an estimate which is clearly inappropriate, that's a signal that something is not right and you will be asked for an explanation.

The two mid-term tests worth 10 marks apiece will be based on a specified set of problems from the notes, particularly those that are more technical, so preparing for them should be straightforward. The two exams will involve more problem-solving and will be based on the more conceptual problems.

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability or health consideration that may require accommodations, please feel free to approach the instructor and/or the Accessibility Services Office as soon as possible. The Accessibility Services staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations. The sooner you let us know your needs, the quicker we can assist you in achieving your learning goals in this course.