The University of Western Ontario
Department of Mathematics

MATH 1600A - Linear Algebra - Fall 2016
Section 001

Time and Location: M-W-F 08:30–09:30, room 3M-3250.
Instructor: Martin Pinsonnault
Office: MC 132
E-mail: mpinson@uwo.ca
Office Hours: TBA

Tutorials: 1 hour per week. The TA will review material from the course, answer questions, and run group activities. Tutorials also include quizzes (see below). You must attend the tutorial you are registered for (see your schedule). Tutorials meet for the first time in the second week (September 14 or 15). Both lecture sections share the following seven lab sections:

003	W 12:30	WSC 240	C. Dugdale	007	Th 12:30	UCC 41	A. Ashraf
004	Th 14:30	AHB 2B02	C. Dugdale	008	W 11:30	TC 303	A. Rolle
005	Th 11:30	UCC 41	M. Vergura	009	W 13:30	HSB-13	A. Ashraf
006	W 15:30	TC 309	M. Vergura				

Course website: Important announcements and documents will be posted on the OWL MATH 1600A website. Visit this page regularly for up to date information.

Antirequisites: Applied Mathematics 1411A/B, 2811B, the former Linear Algebra 1600A/B.

Prerequisites: Prerequisite(s): One or more of Ontario Secondary School MCV4U, Mathematics 1229A/B, Calculus 1000A/B or 1500A/B, the former Calculus 1100A/B. Calculus 1000A/B or 1500A/B may be taken as a pre- or corequisite.

Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

Course Outline: Properties and applications of vectors; matrix algebra; solving systems of linear equations; determinants; vector spaces; orthogonality; eigenvalues and eigenvectors.

Textbook: The course will be based on

- Poole, D., *Linear Algebra: A Modern Introduction, custom coursepack*, Nelson Education.

This textbook is available at the bookstore. It should be possible to find used copies as well. There is also a "Student Solutions Manual" but it is not required.

Extra Help: The Mathematics Department runs Help Centers September 19 through December 9 in MC-106, from 14:30 to 18:30 daily. Extra TA office hours will be posted on OWL soon.

Evaluation: The evaluation will be based on

- 10 Quizzes: $\sim 15\%$

- Midterm: $\sim 35\%$

- Final Exam: $\sim 50\%$

For quizzes and exams, questions will be similar — but not identical — to the exercises in the textbook. The best way to prepare for quizzes and exams is to do as many exercises as possible. Note that the point is not to learn solutions by heart, but to gain experience in finding them. Please note that it is important to attend the lecture and tutorial sections for which you are enrolled.

The quizzes will be written during tutorials and will cover the material up to and including what was covered on the previous Friday's lecture. The lowest quiz score will be dropped to take into account absences for unforeseen reasons. There will be no make-up quizzes. The first Quiz will be written the week of September 19th.

The midterm is scheduled Wednesday, October 26, from 19:00 to 21:00. Location will be posted on OWL as soon as possible.

The final examination is scheduled by the Registrar Office. Announcements will be posted on OWL as soon as the information is available.

If you are unable to attend the midterm due to illness or other serious circumstances, you must provide valid medical or other supporting documentation to the Dean's office as soon as possible and contact your instructor immediately. It is the student's responsibility to make alternative arrangements with their instructor. For further information please see

`http://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_illness.pdf`

Academic Offences: Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site: `http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf`.

Accessibility: Please contact the course instructor if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Services for Students with Disabilities (SSD) at 661-2111 ext. 82147 for any specific question regarding an accommodation.

Health and Wellness: As part of a successful student experience at Western, we encourage students to make their health and wellness a priority. Western provides several on campus health-related services to help you achieve optimum health and engage in healthy living while pursuing

your degree. Students who are in emotional/mental distress should refer to Mental Health@Western `http://www.uwo.ca/uwocom/mentalhealth/` for a complete list of options about how to obtain help.

Key sessional dates (2016-17):

Sept. 8	Classes begin
Sept. 16	Last day to add a full course or first-term half course
Oct. 10	Thanksgiving (University closed)
Oct. 27–28	Fall Study Break
Oct. 31	Date by which students in a first-term half course must receive assessment for work totaling 15% of their final grade
Nov. 7	Last day to withdraw from a first-term half course without academic penalty
Dec. 7	Last day of classes in Fall Term
Dec. 8–9	Study Days
Dec. 10–21	December examination period