

Math 1600: Linear Algebra, Sections 001 and 002

Technical Requirements for the course

- Laptop or computer (not a tablet)
- Stable internet connection
- Working microphone
- Working webcam with adjustable view angle
- Device for scanning (for example a smartphone, if you use your webcam for scanning you must ensure that the scanner application can be used simultaneously with zoom (camera on).

All lecture content is hosted on owl.uwo.ca

Section	Component	Days	Start Time	Location	Instructor	Delivery Type
001	LEC				Adamyk	Distance Studies/Online
002	LEC				Dhillon	Distance Studies/Online
003	LAB	W	12:30 PM	TC-141		In Person
004	LAB	Th	2:30 PM	SH-3345		In Person
005	LAB	Th	11:30 AM	SH-3345		In Person
006	LAB	W	8:30 AM			Distance Studies/Online
007	LAB	Th	12:30 PM			Distance Studies/Online
008	LAB	W	11:30 AM	TC-141		In Person
009	LAB	W	1:30 PM	SSC-2050		In Person
010	LAB	W	2:30 PM	SH-3345		In Person
011	LAB	Th	3:30 PM			Distance Studies/Online
012	LAB	Th	4:30 PM			Distance Studies/Online

Antirequisite(s): Applied Mathematics 1411A/B, Applied Mathematics 2811B.

Prerequisite(s): One or more of Ontario Secondary School MCV4U, Math 1229A/B, Calc 1000A/B or Calc 1500A/B may be taken as a pre-or corequisite.

Instructor Information

Section 001 Katharine Adamyk kadamyk@uwo.ca

Section 002 Ajneet Dhillon adhill3+1600@uwo.ca

Please post all non-personal questions in the owl forums. Examples of non-personal questions, will we be allowed to use a calculator in the midterm? How do you solve textbook problem 1.1.1? If you email an instructor such a question you will be asked to post your question in the forums.

Course Syllabus

All lectures will be delivered online, check the "lessons" tab on the owl site. Tutorials are a mixture of in person and online. Tutorial attendance for the full duration of the tutorial is required, if you need to miss a tutorial use the self reported absence tool.

We will discuss properties and applications of vectors; matrix algebra; solving systems of linear equations; determinants; vector spaces; orthogonality; eigenvalues and eigenvectors. A schedule can be found in the lessons tab on the owl site.

Classes begin: September 9
Reading Week: November 2-8
Classes end: December 9

Course Materials

Textbook

An ebook can be purchased from [cengage](https://www.cengage.ca/shop/ProductDisplay?langId=-1&storeId=10651&catalogId=10052&productId=669945) (<https://www.cengage.ca/shop/ProductDisplay?langId=-1&storeId=10651&catalogId=10052&productId=669945>). Technically you are renting the book here. Access until February 2021 is sufficient for this course.

Alternatively there are a limited number of hard copies of the book available from the bookstore. You need to purchase the Math 1600, third custom edition if you use this option. The older editions are not sufficient as the course has changed.

Technical requirements

The lectures are online and as a result you will need a computer with a stable internet connection. For the exams you will need a web camera attached to your computer that can be adjusted to look in multiple angles. A stable internet connection and microphone is also required for the exams. To scan the exams you will need an additional camera to your web camera, for example a smartphone camera.

The final exam may require the use of a computer with proctortrack software installed.

Methods of Evaluation

A statement of the methods by which student performance will be evaluated and the weight of each, including an exact timetable and schedule of assignments (due date), is required. For example:

The overall course grade will be calculated as listed below:

Midterm 1: 2%
Midterm 2: 20%
Midterm 3: 20%
Final Exam 40%
Webwork: 10%
Tutorials: 8%

If you miss a midterm (for a valid reason) the weights of the exams will be shifted as follows:

Missing midterm 1 (for a valid reason) will result in its weight being shifted to midterm 2.

Missing midterm 2 (for a valid reason) will result in its weight being shifted to midterm 3.

Missing midterm 3 (for a valid reason) will result in its weight being shifted to the final.

Accommodation and Accessibility

Accommodation Policies

Students with disabilities work with Accessible Education (formerly SSD) which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing. The Academic Accommodation for Students with Disabilities policy can be found at: https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic_Accommodation_disabilities.pdf
Academic Consideration for Student Absence

Students will have up to two (2) opportunities during the regular academic year to use an on-line portal to self-report an absence during the semester, provided the following conditions are met: the absence is no more than 48 hours in duration, and the assessment for which consideration is being sought is worth 30% or less of the student's final grade. Students are expected to contact their instructors within 24 hours of the end of the period of the self-reported absence, unless noted on the syllabus. Students are not able to use the self-reporting option in the following circumstances:

- * for exams scheduled by the Office of the Registrar (e.g., December and April exams)
- * absence of a duration greater than 48 hours,
- * assessments worth more than 30% of the student's final grade,
- * if a student has already used the self-reporting portal twice during the academic year

If the conditions for a Self-Reported Absence are not met, students will need to provide a Student Medical Certificate if the absence is medical, or provide appropriate documentation if there are compassionate grounds for the absence in question. Students are encouraged to contact their Faculty academic counselling office to obtain more information about the relevant documentation.

Students should also note that individual instructors are not permitted to receive documentation directly from a student, whether in support of an application for consideration on medical grounds, or for other reasons. All documentation required for absences that are not covered by the Self-Reported Absence Policy must be submitted to the Academic Counselling office of a student's Home Faculty. For policy on Academic Consideration for Student Absences - Undergraduate Students in First Entry Programs, see:

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic_Consideration_for_absences.pdf

and for the Student Medical Certificate (SMC), see:

http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf

Religious Accommodation

Students should consult the University's list of recognized religious holidays, and should give reasonable notice in writing, prior to the holiday, to the Instructor and an Academic Counsellor if their

course requirements will be affected by a religious observance. Additional information is given in the Western Multicultural Calendar:

<https://multiculturalcalendar.com/ecal/index.php?s=c-univwo>

You may also be eligible to write the Special Exam if you are in a "Multiple Exam Situation" (see

http://www.registrar.uwo.ca/examinations/exam_schedule.html).

Academic Policies

The website for Registrarial Services is <http://www.registrar.uwo.ca>.

In accordance with policy, <http://www.uwo.ca/its/identity/activatenonstudent.html>, the centrally administered e-mail account provided to students will be considered the individual's official university e-mail address. It is the responsibility of the account holder to ensure that e-mail received from the University at his/her official university address is attended to in a timely manner.

Contingency plan for an in-person class pivoting to 100% online learning

In the event of a COVID-19 resurgence during the course that necessitates the course delivery moving away from face-to-face interaction, all remaining course content will be delivered entirely online, either synchronously (i.e., at the times indicated in the timetable) or asynchronously (e.g., posted on OWL for students to view at their convenience). The grading scheme will not change. Any remaining assessments will also be conducted online as determined by the course instructor.

All of the remote learning sessions for this course will be recorded. The data captured during these recordings may include your image, voice recordings, chat logs and personal identifiers (name displayed on the screen). The recordings will be used for educational purposes related to this course, including evaluations. The recordings may be disclosed to other individuals participating in the course for their private or group study purposes. Please contact the instructor if you have any concerns related to session recordings.

Participants in this course are not permitted to record the sessions, except where recording is an approved accommodation, or the participant has the prior written permission of the instructor.

[if special electronic devices are used in this course]

If applicable, add a statement on what electronic devices will or will not be permitted on tests and exams; e.g., specific models of calculators.

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.

Some tests and examinations in this course may be conducted using the remote proctoring service, such as

Proctortrack. By taking this course, you are consenting to the use of this software and acknowledge that you will be required to provide personal information (including some biometric data) and the session will be recorded. More information about this remote proctoring service is available in the Online Proctoring Guidelines at the following link:

<https://www.uwo.ca/univsec/pdf/onlineproctorguidelines.pdf>

Completion of this course will require you to have a reliable internet connection and a device that meets the technical requirements for this service. Information about the technical requirements are available at the following link:

<https://www.proctortrack.com/tech-requirements/>

Some tests and examinations in this course will be conducted using Zoom. You will be required to keep your camera on for the entire session, hold up your student card for identification purposes, and share your screen with the invigilator if asked to do so at any time during the exam. The exam session will not be recorded.*

More information about the use of Zoom for exam invigilation is available in the Online Proctoring Guidelines at the following link:

<https://www.uwo.ca/univsec/pdf/onlineproctorguidelines.pdf>

Completion of this course will require you to have a reliable internet connection and a device that meets the system requirements for Zoom. Information about the system requirements are available at

the following link:

<https://support.zoom.us/hc/en-us>

* Please note that Zoom servers are located outside Canada. If you would prefer to use only your first name or a nickname to login to Zoom, please provide this information to the instructor in advance of the test or examination.

Note that Proctortrack and Zoom may not be simultaneously used for the same assessment in the same course

Tests and examinations in this course will be conducted using both Zoom and the remote proctoring service, such as Proctortrack.

When Zoom is used for exam invigilation, you will be required to keep your camera on for the entire session, hold up your student card for identification purposes, and share your screen with the invigilator if asked to do so at any time during the exam. The exam session using Zoom will not be recorded.*

Proctortrack will require you to provide personal information (including some biometric data). The session will be recorded. By taking this course, you are consenting to the use of this software.

More information about remote proctoring is available in the Online Proctoring Guidelines at the following link:

<https://www.uwo.ca/univsec/pdf/onlineproctorguidelines.pdf>

Completion of this course will require you to have a reliable internet connection and a device that meets the system and technical requirements for both Zoom and Proctortrack. Information about the system and technical requirements are available at the following links:

<https://www.proctortrack.com/tech-requirements/>

<https://support.zoom.us/hc/en-us>

* Please note that Zoom servers are located outside Canada. If you would prefer to use only your first name or a nickname to login to Zoom, please provide this information to the instructor in advance of the test or examination.

Support Services

Please visit the Science & Basic Medical Sciences Academic Counselling webpage for information on add/drop courses, academic considerations for absences, appeals, exam conflicts, and many other academic related matters: <https://www.uwo.ca/sci/counselling/>

Please contact the course instructor if you require lecture or printed material in an alternate format or if any other arrangements can make this course more accessible to you. You may also wish to contact

Student Accessibility Services (SAS) at (519) 661-2147 if you have any questions regarding accommodations.

Western University is committed to a thriving campus as we deliver our courses in the mixed model of both virtual and face-to-face formats. We encourage you to check out the Digital Student Experience website to manage your academics and well-being: <https://www.uwo.ca/se/digital/>.