

Department of Mathematics

Contact Us

The Department of
Mathematics
Middlesex College
London, ON
Canada, N6A 5B7

Tel: 519.661.3639
Fax: 519.661.3610

Undergraduate inquiries:
math-inquiry@uwo.ca

Graduate inquiries:
math-grad-program@uwo.ca

All other inquiries:
mathdept@uwo.ca

Math 2120B Winter 2020

Instructor Info:

Nicole Lemire, nlemire@uwo.ca, MC 103C.

Please use your UWO email address when sending an email to the instructor.

Lecture Info:

MWF 12:30pm-1:30pm, UCC 41.

Required Textbook:

Linear Algebra, Arnold J. Insel, Lawrence E. Spence, and Steven H. Friedberg, 4th or 5th edition (Pearson).

Antirequisite:

Mathematics 2211A/B.

Prerequisite:

Mathematics 1600A/B.

Course Description:

A rigorous development of lines and planes in \mathbb{R}^n ; linear transformations and abstract vector spaces. Determinants and an introduction to diagonalization and its applications including the characteristic polynomials, eigenvalues and eigenvectors.

Course Website:

All students are responsible to be aware of information, assignments, materials and grades posted at the OWL course site: <https://www.owl.uwo.ca/portal>.

What is Expected of the Student:

Students should attend all classes, make a serious effort to understand all course material and do all the assigned work. The student must assume responsibility for any missed classes. It is up to the student to seek out help when needed.

Students are expected to keep up with the the material of the course by reading and learning definitions, theorems and results, and doing additional practice problems. A fundamental component of the course is to **prove** mathematical theorems.

Evaluation of Student Performance:

Final Exam: (40%) *cumulative, to be scheduled by the Registrar's Office.*

Midterm Exam: (31%) *Date to be announced.*

Assignments : (14%) *information about assignments will be available on OWL.*

Quizzes: (15%)

Note: Electronic devices (including cell phones, and calculators) are NOT allowed on exams and may be confiscated.

Senate Policy on Prerequisites:

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.

Accommodation and Accessibility:

If you are unable to meet a course requirement due to illness or other serious circumstances, you must seek approval for the absence as soon as possible. Approval can be granted either through a self-reporting of absence or via the Dean's Office/Academic Counselling unit of your Home Faculty. If you are a Science student, the Academic Counselling Office of the Faculty of Science is located in NCB 280, and can be contacted at scibmsac@uwo.ca.

For further information, please consult the university's policy on academic consideration for student absences:

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

If you miss the Final Exam, please contact your faculty's Academic Counselling Office as soon as you are able to do so. They will assess your eligibility to write the Special Exam (the name given by the university to a makeup Final Exam).

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.

Students must use their Western (@uwo.ca) email addresses when contacting their instructors.

Electronic devices (including cell phones and calculators) are NOT allowed on exams and may be confiscated.

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:

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

Support Services:

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 661-2147 if you have any questions regarding accommodations.

The policy on Accommodation for Students with Disabilities can be found here:

http://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic%20Accommodation_disabilities.pdf.

The policy on Accommodation for Religious Holidays can be found here:

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

Learning-skills counsellors at the Student Development Centre

(<http://www.sdc.uwo.ca>) are ready to help you improve your learning skills. They offer presentations on strategies for improving time management, multiple-choice exam preparation/writing, textbook reading, and more. Individual support is offered throughout the Fall/Winter terms in the drop-in Learning Help Centre, and year-round through individual counselling.

Students who are in emotional/mental distress should refer to Mental

Health@Western (http://www.health.uwo.ca/mental_health) for a complete list of options about how to obtain help.

Additional student-run support services are offered by the USC,

<http://westernusc.ca/services>.

Acknowledgment of the Science Student Donation Fund:

Mathematics undergrad courses are supported by the Science Student Donation Fund. If you are a BSc or BMSc student registered in the Faculty of Science or Schulich School of Medicine and Dentistry, you pay the Science Student Donation Fee. This fee contributes to the Science Student Donation Fund, which is administered by the Science Students' Council (SSC). One or more grants from the Fund have allowed for the purchase of equipment integral to teaching this course. You may opt out of the Fee by the end of September of each academic year by completing the online form linked from the Faculty of Science's Academic Counselling site. For further information on the process of awarding grants from the Fund or how these grants have benefitted undergraduate education in this course, consult the Chair of the Department or email the Science Students' Council at ssc@uwo.ca.

© 1878 - 2020 Western University

The Department of Mathematics
Middlesex College
London, Ontario, Canada, N6A 5B7
Tel: 519.661.3639
math-inquiry@uwo.ca (undergraduate), math-grad-program@uwo.ca
(grad), mathdept@uwo.ca (other)
[Privacy](#) | [Web Standards](#) | [Terms of Use](#) | [Accessibility](#)

Key Topics:

About Us
Undergraduate
Graduate
Research
People

Popular Resources:

Calculus 1000A/B online
Office of the Registrar
Academic Calendar
Intranet Login

