

Welcome to
MATH 2275 - Linear algebra II
Winter term 2020

INSTRUCTOR: Dr. Monica Ilie

- **Contact info:** RB 2019 ★ ph: 766-7224 ★ *milie@lakeheadu.ca*
- **Office hours:** Mondays 9:00-10:00 or by appointment

COURSE OBJECTIVES The main topics include eigenvalues and eigenvectors; diagonalization; inner product spaces; orthogonal bases; least-squares problems; symmetric matrices; quadratic forms; singular value decomposition; and applications. Additional topics may be added, if there is extra time.

COURSE INFORMATION:

- **Class time:** Monday/Wednesday/Friday 2:30-3:20 (RB 1044)
- **Textbook:** *Linear algebra and its applications* by David C. Lay
- **Website:**
<https://mycourselink.lakeheadu.ca>
- **Grading:** Your final grade will be given according to the grading scheme below:

Assignments (Webwork + Paper)	Midterm	Final Exam
10%	40%	50%
- **Midterm:** Wednesday February 26, 2020 (in class)

SYLLABUS

The topics to be covered are, tentatively, the following: Chapter 5 - Chapter 7

ASSIGNMENTS

Homework assignments are given as topics are covered in class, and announced on the course website. There will be online assignments and written assignments. The online assignments will be available on the WebWork platform.

The written assignments are to be collected in class. Every assignment must contain the course number, the assignment number, your name, and your student ID, and the instructor's name. Homework must always be stapled together (no paper-clips, folding the pages, folders, etc. will be accepted). **Late** assignments will **not** be accepted.

BONUS cellphone policy: Each student has the option to put away his/her cell phone, on the main table during the class. Students that decide to do so receive one point for each class they participate in this activity. Each 15 points accumulated will earn you one percent bonus for your total mark, to a maximum of 2%. If you decide not to participate in this activity, I strongly recommend to turn off your cell phone or place

it in your bag. Texting during class disturbs you, your colleagues and the friend you are communicating with as they might be in a class as well.

MISSED MIDTERM POLICIES

If you miss the midterm for a legitimate reason which you can document (e.g. doctor's note), the weight of the midterm will be *transferred* to the final exam. There will be no make-up exams! **The documented proof of absence should be provided to me no later than 10 days after the exam was written.**

MISSED FINAL EXAM POLICIES (University Regulations)

In cases where a student misses a formal examination due to an incapacitating illness, the student must have the Certificate of Illness or Incapacitation completed by a Medical Professional and submit the completed form to Enrolment Services no later than three (3) working days after the date of the original final examination. The Certificate of Illness or Incapacitation must be dated as seen by the Medical Professional no later than one (1) working day after the examination.

In other exceptional circumstances, official supporting documentation must be provided (e.g. copy of a death certificate or letter from the funeral home).

Accommodation shall be granted only when the documentation indicates that the onset, duration and severity of the illness or other circumstances are such that the student could not have reasonably been expected to complete the examination on the scheduled date.

MAKE UP FINAL EXAM DATE:

Monday, April 20, 2020 (this is the exam contingency date)

Tuesday, April 21, 2020 (only in case the exam contingency date is used by the university)

University Regulations *Students will not be given another opportunity to write the examination if it is missed a second time. In some cases, when extraordinary circumstances beyond a student's control prevent him/her from completing the rescheduled examination, a student may be eligible to petition Enrolment Services to explain the circumstances.*

A friendly piece of advice: don't book your plane ticket home until the final exam schedule is published. A booked flight is not an acceptable excuse for missing an exam.

LECTURE POLICIES

Attendance is not mandatory; however, it is strongly recommended that you come to class. I would appreciate the fact that you show up on time if you do decide to come to class. Arriving late disturbs both me and your fellow classmates.

ACCOMODATIONS

Lakehead University is committed to achieving full accessibility for persons with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all of their academic activities. If you think you may need accommodations, you are strongly encouraged to contact Student Accessibility Services (SAS) and register as early as possible. For more information, please visit: <http://studentaccessibility.lakeheadu.ca>