MATB24 –Fall 2020

Professors	**Email**:
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Class schedule (Lec 01):	**Class schedule (Lec 30)**:
Tuesday 13:00-14:00	Monday 19:00-20:00
Thursday 13:00-15:00	Wednesday 19:00-21:00

This course is delivered fully online. You should have access to fast internet, a webcam, a digital camera (or a scanner) and a microphone to be able to participate in this course. All the quizzes and exams are invigilated online. You are expected to stream your video during quizzes, exams, and tutorials.

Main Textbook: *Linear Algebra*, Fraleigh & Beauregard, 3rd Edition, Pearson.
Secondary Textbook: *Linear Algebra Done Right*, Sheldon Axler, Springer.

Course Website: `https://q.utoronto.ca/courses/168254`
Quercus is our main communication platform. All course material and information including tutorial information, TA's office hours, homework and solutions, in class surveys and all the relevant deadlines and announcements are done via Quercus. Quercus will get updated regularly as the semester progresses. It is your responsibility to check it regularly.

Piazza: We will be using Piazza for class discussion. If you have a math question you should ask it in piazza (and not over email). Find our class page at: `piazza.com/mail.utoronto.ca/fall2020/matb24`

Lectures: All lectures are online. You are expected to attend or watch the recording of the lecture you are registered in. The details on how to access the lectures and policies is available on Quercus. Each lecture in accompanied with participation activities such as class surveys that need to be completed within 24 hours of the synchronous lecture. Theses activities are specific to the section you are registered in. Participating in lecture activities is mandatory and counts towards your final grade as part of the participation component.

Tutorials: You **must** be registered in one tutorial that you can attend. All tutorials are run via Zoom. Details on how to attend your tutorial online and what to expect from tutorials can be found on Quercus. You are **required** to actively attend your tutorial every week. Tutorials start on the week of Sep 14th. In Tutorials, you will write weekly quizzes, which count toward your final grade. Then you work in groups on problems that are designed to enhance your understanding and develop your mathematical skills. Your **active** participation on problem solving groups make up your participation grade. If you must miss a tutorial for any reason, it is your responsibility to get the notes from a classmate and catch up on the material. A solution to tutorial questions will be posted at the end of each tutorial week. You should have access to reliable internet, a camera or a scanner, a webcam and a microphone during your tutorial sessions. You are expected to stream your video during tutorials.

Quizzes: Every week in your tutorial you write a short quiz. You can find the information on what is exactly covered in quizzes and how to write them on Quercus. Quizzes must be written in your own tutorial. Quizzes are counted towards your final grade. Quizzes are invigilated and you are expected to steam your video throughout the quiz for your work to be graded.

Homework: There are four types of Homework, assigned weekly:
Reading : Every week you are assigned a reading from our main textbooks. You may be asked questions on the reading homework during lectures, online homework, exams, graded homework.

Online Homework: There is a weekly online homework that counts towards your final grade. Questions on online homework cover basic concepts and basic computations and designed to be straightforward. Online homework measures your basic understanding of the material.

Problems for Tutorials: Every week a set of tutorial problems is assigned. You should read and try to understand these problems on your own before your tutorial, however you may not be able to solve all of them. That's OK! During your tutorial you will get a chance to work on these problems with the help of your TA and your peers, and ask your questions. Your TA will not go over all the problems. You will get the best out of tutorials only if you try the problems beforehand and come to class prepared, actively engage in problem solving group you are assigned to and ask questions when your TA visits your group. You will not hand in this assignment, however your **active participation** in your tutorial is counted towards your final grade as part of the participation grade.

Graded Homework: Roughly every other week a set of Graded Homework questions will be posted on Quercus (look for the due date and time on Quercus). These problems are more challenging than the other homework types. Starting early, working with other students, and asking for help (office hours and piazza) are the keys to success. **Although you are encouraged to ask for help, you should write your homework in your own words. That is you should be able to explain your work in plain English (no math symbol), or rephrase your work using different words if asked. Failing to able to do so is considered plagiarism and has severe consequences**. A selected subset of each homework is graded. Graded Homework is counted as part of your final grade for the course. Graded Homework **must** be submitted online via Quercus. The system will accept your homework 12 hours after the due time. There is a 1 mark penalty for late submissions. It is your responsibility to make sure that the submitted file is legible. Only selected questions from each set will be graded. The purpose of Graded Homework is to help you develop your mathematical writing skills and proof skills and to give you taste of what it means to do mathematics. You will get continuous feedback on your work, which helps you improve your mathematical writing as the semester progresses.

Term tests: There will one or two term tests (depending on the schedule we get). You should have access to reliable internet, a camera or a scanner and a webcam during your tests.

Policy on missing tutorials: You can miss one tutorial without any penalty on you participation mark. You are responsible to catch up on the material. Should you miss more than one tutorial due to a legitimate reason your absence will not affect your participation grade. In order to qualify for this waver: (a) you must notify your TA by email **no later than 48 hours** from the ending of the missed tutorial and (b) you must submit appropriate documentation **within 4 days** of the missed tutorial. Failure to follow (a) or (b) as stated in this paragraph will result in loosing participation marks.

Policy on missing quizzes and term tests: Should you miss a quiz or a term test due to a legitimate reason your grade on that quiz or test will be redistributed or a make up exam is provided. Your professor decides on which compensation method to use. In order to qualify : (a) you must notify your TA or professor by email **no later than 48 hours** from the ending of the missed quiz or test and (b) you must submit appropriate documentation **within 4 days** of the missed quiz or test. Failure to follow (a) or (b) as stated in this paragraph will result in a grade of zero for that quiz or test.

Legitimate reasons include severe illness, injury or accident, family catastrophe, religious obligations, or legal obligations. If you expect to have technology issues during a quiz, a test or final exam you should inform your TA or professor about the situation ahead of time. The following reasons will not be considered for any sort of compensation for missing the midterm test: work obligations, extra-curricular activities, slight illness, misreading the time of day or access method, lateness, timetable or other test conflict, other course conflicts, traffic or other transportation issues. The determination of compensation for missing the midterm test rests entirely with your professor and is not automatic.

Evaluation:

Participation:	5%
Online Homework :	5%
Graded Homework :	10%
Quizzes :	15%
Term Tests:	30%
Final:	35%

Acceptability Statement: Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach your instructor and/or the AccessAbility Services Office as soon as possible. We will work with you and AccessAbility Services to ensure you can achieve your learning goals in this course. Inquiries are confidential. The UTSC AccessAbility Services staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations (416) 287-7560 or ability@utsc.utoronto.ca. For more info look at `http://www.utsc.utoronto.ca/~ability/`

Academic Integrity: Academic dishonesty may be understood as any action or attempted action that may result in creating an unfair academic advantage for oneself or an unfair academic advantage or disadvantage for any other member or members of the academic community. The University treats cases of cheating and plagiarism very seriously. The University of Toronto's Code of Behaviour on Academic Matters outlines the behaviours that constitute academic dishonesty and the processes for addressing academic offenses. Potential offenses include, but are not limited to misrepresenting your identity, using or possessing unauthorized aids or looking at someone else's answers during an exam, test or quiz or homework. Do NOT cheat. If you cheat in this class, you risk failing the course or more. If you have any questions about what is, or is not, allowed in this course, please ask.

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