



COURSE OUTLINE

1. **Course:** MATH 211, Linear Methods I - Fall 2020

Lecture 01: MWF 15:00 - 15:50 - Online

Instructor	Email	Phone	Office	Hours
Dr Thi Dinh	tdinh@ucalgary.ca	403 220-2214	MS 420	TBA

Lecture 02: TR 09:30 - 10:45 - Online

Instructor	Email	Phone	Office	Hours
Dr. Renate Scheidler	rscheidl@ucalgary.ca	220-6628	MS 436	

Lecture 03: TR 14:00 - 15:15 - Online

Instructor	Email	Phone	Office	Hours
Dr. Renate Scheidler	rscheidl@ucalgary.ca	220-6628	MS 436	

Lecture 04: MWF 09:00 - 09:50 - Online

Instructor	Email	Phone	Office	Hours
Dr Gilad Gour	gour@ucalgary.ca	403 220-3939	MS 320	TBA

Lecture 05: MWF 09:00 - 09:50 - Online

Instructor	Email	Phone	Office	Hours
Dr Gilad Gour	gour@ucalgary.ca	403 220-3939	MS 320	TBA

Lecture 06: MWF 10:00 - 10:50 - Online

Instructor	Email	Phone	Office	Hours
Dr Claude Laflamme	math211@ucalgary.ca	403 220-3962	MS 572	TBA

Lecture 07: MWF 11:00 - 11:50 - Online

Instructor	Email	Phone	Office	Hours
	TBA	TBA	TBA	TBA

Lecture 75:

Instructor	Email	Phone	Office	Hours
	TBA	TBA	TBA	TBA

Coordinator(s)

Name	Email	Phone	Office	Hours
Dr Gilad Gour	gour@ucalgary.ca	403 220-3939	MS 320	TBA

Online Delivery Details:

Some aspects of this course are being offered in real-time via scheduled meeting times. For those aspects you are required to be online at the same time.

The times and days of the original scheduled classes as listed above are not applicable for the online version of this course. Instead, we offer the following online course components:

Two optional live lecture sessions, covering the same material:

- Session 1: Meets on **M 3:00pm-3:50pm, W 10:00am-10:50am, F 9:00am-9:50am** (instructor: Thi Dinh)
- Session 2: Meets on **Tu 2:00pm-3:15pm, Th 9:30am-10:45am** (instructor: Renate Scheidler)

Online office hours:

- Tu 3:30pm-4:30pm, Th 11:00am-12:00pm (instructor: Renate Scheidler)
- W,F 3:00pm-3:50pm (instructor: Thi Dinh)

Class Review sessions: Monday-Friday, 5pm-6pm (Teaching Assistants)

D2L site with daily "roadmap" to assist student progress through the course.

Discussion Board – monitored 7 days week [morning/afternoon/early-evening for MTWR, and morning/afternoon for FSS]

Pre-recorded problem demonstration videos – available on D2L.

A dedicated email address (math211@ucalgary.ca) used to handle all administrative aspects of the course (illness, SAS students, time zones, login issues, special requests, inquiries of any sort)

The optional live lectures and optional class review sessions will also be recorded and can be watched at any time, participation is not necessary.

The first 30 minutes of each class review session will be devoted to examples and review of the material taught in class that same day. This is followed by a 30-minute question & answer period. We will also provide a weekly "to do" list for this course on the news item in D2L.

The D2L course site will provide a daily "roadmap" to assist student progress through the course, including: daily news updates, specific objectives, available material and activities organized by topics, detailed information on assessment and examinations, including a practice exam so students can familiarize themselves with the system, suggestions on how to succeed in the online version of the course.

Course Site:

D2L: MATH 211 L01-(Fall 2020)-Linear Methods I

Note: Students must use their U of C account for all course correspondence.

2. Requisites:

See section [3.5.C](#) in the Faculty of Science section of the online Calendar.

Prerequisite(s):

Mathematics 30-1 or Mathematics 2 (offered by Continuing Education).

Antirequisite(s):

Credit for Mathematics 211 and 213 will not be allowed.

3. Grading:

The University policy on grading and related matters is described in [F.1](#) and [F.2](#) of the online University Calendar.

In determining the overall grade in the course the following weights will be used:

Component(s)	Weighting %	Date
Online Assignments (10)	25	
Examination 1	25	Wednesday, October 7, 6pm-9pm (18:00-21:00)
Examination 2	25	Wednesday, November 18, 6pm-9pm (18:00-21:00)
Examination 3	25	During registrar schedule period

Each examination is designed for 100 minutes, and we will grant an additional 50% time for a total of 150 minutes (2 ½ hours) to accommodate any technical or other online examination issues. Thus everyone must start within the first 30 minutes of the examination period, and you will have 150 minutes to complete your examination from the time you start.

Additional time will be granted to SAS students, and other accommodation will be done on a case-by-case basis in case of conflict or student location in different time zones.

Each piece of work (assignments, midterm exam(s) or final examination) submitted by the student will be assigned a grade. The student's grade for each component listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade.

Each piece of work (reports, assignments, quizzes, midterm exam(s) or final examination) submitted by the student will be assigned a grade. The student's grade for each component listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade.

The conversion between a percentage grade and letter grade is as follows.

	A+	A	A-	B+	B	B-	C+	C	C-	D+	D
Minimum % Required	95 %	90 %	85 %	80%	75%	70 %	65 %	60%	55%	50 %	45 %

This course has a registrar scheduled final exam.

4. **Missed Components Of Term Work:**

The university has suspended the requirement for students to provide evidence for absences. Please do not attend medical clinics for medical notes or Commissioners for Oaths for statutory declarations.

In the event that a student legitimately fails to submit any online assessment on time (e.g. due to illness etc...), please contact the course coordinator, or the course instructor if this course does not have a coordinator to arrange for a re-adjustment of a submission date. Absences not reported within 48 hours will not be accommodated. If an excused absence is approved, then the percentage weight of the legitimately missed assignment could also be pro-rated among the components of the course.

5. **Scheduled Out-of-Class Activities:**

The following out of class activities are scheduled for this course.

Activity	Location	Date and Time	Duration
Examination 1	Web-Based	Wednesday, October 7, 2020 at 6:00 pm	2 1/2 Hours
Examination 2	Web-Based	Wednesday, November 18, 2020 at 6:00 pm	2 1/2 Hours

REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME-ACTIVITY. If you have a conflict with the out-of-class-time-activity, please contact your course coordinator/instructor no later than **14 days prior** to the date of the out-of-class activity so that alternative arrangements may be made.

6. **Course Materials:**

Suggested: A (free) open text in electronic form is available in your Lyryx account. It can be freely distributed and printed.

Assignments and Examinations

We will be using the Lyryx system for online assignment and examination purposes, offering formative online assessment in an effort to support student learning.

The student license is normally \$39.95+GST payable upon registration on the Lyryx system.

While computer labs for free access remain inaccessible during the covid-19 lockdown, Lyryx is pleased to provide free individual licenses to students who can make the case of severe financial needs with their instructors.

In order to successfully engage in their learning experiences at the University of Calgary, students taking online, remote and blended courses are required to have reliable access to the following technology:

- A computer with a supported operating system, as well as the latest security, and malware updates;
- A current and updated web browser;
- Webcam/Camera (built-in or external);
- Microphone and speaker (built-in or external), or headset with microphone;
- Current antivirus and/or firewall software enabled;
- Stable internet connection.

For more information please refer to the UofC [ELearning](#) online website.

7. **Examination Policy:**

No aids are allowed on tests or examinations.

Students should also read the Calendar, [Section G](#), on Examinations.

8. **Approved Mandatory And Optional Course Supplemental Fees:**

There are no mandatory or optional course supplemental fees for this course.

9. **Writing Across The Curriculum Statement:**

For all components of the course, in any written work, the quality of the student's writing (language, spelling, grammar, presentation etc.) can be a factor in the evaluation of the work. See also Section [E.2](#) of the University Calendar.

10. **Human Studies Statement:**

Students will not participate as subjects or researchers in human studies.

See also [Section E.5](#) of the University Calendar.

11. **Reappraisal Of Grades:**

A student wishing a reappraisal, should first attempt to review the graded work with the Course coordinator/instructor or department offering the course. Students with sufficient academic grounds may request a reappraisal. Non-academic grounds are not relevant for grade reappraisals. Students should be aware that the grade being reappraised may be raised, lowered or remain the same. See [Section I.3](#) of the University Calendar.

- a. **Term Work:** The student should present their rationale as effectively and as fully as possible to the Course coordinator/instructor within **ten business days** of either being notified about the mark, or of the item's return to the class. If the student is not satisfied with the outcome, the student shall submit the Reappraisal of Graded Term work form to the department in which the course is offered within 2 business days of receiving the decision from the instructor. The Department will arrange for a reappraisal of the work within the next ten business days. The reappraisal will only be considered if the student provides a detailed rationale that outlines where and for what reason an error is suspected. See sections [I.1](#) and [I.2](#) of the University Calendar
- b. **Final Exam:** The student shall submit the request to Enrolment Services. See [Section I.3](#) of the University Calendar.

12. **Other Important Information For Students:**

- a. **Mental Health** The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre, [Mental Health Services Website](#)) and the Campus Mental Health Strategy website ([Mental Health](#)).
- b. **SU Wellness Center:** For more information, see www.ucalgary.ca/wellnesscentre or call [403-210-9355](tel:403-210-9355).
- c. **Sexual Violence:** The Sexual Violence Support Advocate, Carla Bertsch, can provide confidential support and information regarding sexual violence to all members of the university community. Carla can be reached by email (svsa@ucalgary.ca) or phone at [403-220-2208](tel:403-220-2208). The complete University of Calgary policy on sexual violence can be viewed at (<https://www.ucalgary.ca/policies/files/policies/sexual-violence-policy.pdf>)
- d. **Misconduct:** Academic misconduct (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under [Section K](#). Student Misconduct to inform yourself of definitions, processes and penalties. Examples of academic misconduct may include: submitting or presenting work as if it were the student's own work when it is not; submitting or presenting work in one course which has also been submitted in another course without the instructor's permission; collaborating in whole or in part without prior agreement of the instructor; borrowing experimental values from others without the instructor's approval; falsification/ fabrication of experimental values in a report. **These are only examples.**
- e. **Academic Accommodation Policy:** Students needing an accommodation because of a disability or medical condition should contact Student Accessibility Services in accordance with the procedure for accommodations for students with disabilities available at [procedure-for-accommodations-for-students-with-disabilities.pdf](#).

Students needing an accommodation in relation to their coursework or to fulfill requirements for a graduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to the Associate Head of the Department of Mathematics & Statistics, Mark Bauer by email

bauerm@ucalgary.ca or phone 403-220-4189. Religious accommodation requests relating to class, test or exam scheduling or absences must be submitted no later than **14 days** prior to the date in question. See [Section E.4](#) of the University Calendar.

- f. **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). Students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information, see [Legal Services](#) website.
- g. **Student Union Information:** [VP Academic](#), Phone: [403-220-3911](#) Email: suvpaca@ucalgary.ca. SU Faculty Rep., Phone: [403-220-3913](#) Email: sciencerep@su.ucalgary.ca. [Student Ombudsman](#), Email: ombuds@ucalgary.ca.
- h. **Surveys:** At the University of Calgary, feedback through the Universal Student Ratings of Instruction ([USRI](#)) survey and the Faculty of Science Teaching Feedback form provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses. Your responses make a difference - please participate in these surveys.
- i. **Copyright of Course Materials:** All course materials (including those posted on the course D2L site, a course website, or used in any teaching activity such as (but not limited to) examinations, quizzes, assignments, laboratory manuals, lecture slides or lecture materials and other course notes) are protected by law. These materials are for the sole use of students registered in this course and must not be redistributed. Sharing these materials with anyone else would be a breach of the terms and conditions governing student access to D2L, as well as a violation of the copyright in these materials, and may be pursued as a case of student academic or [non-academic misconduct](#), in addition to any other remedies available at law.

Course Outcomes:

- Recognize which techniques of linear algebra that can be useful in solving or provide information to some problems from various areas
- Construct a plan on how to approach these problems using the techniques of linear algebra
- Execute the proposed plan correctly from the viewpoint of computation and mathematics
- Interpret the resulting information in the context of the problem at hand

Electronically Approved - Sep 03 2020 20:40

Department Approval

Electronically Approved - Sep 03 2020 21:18

Associate Dean's Approval