

University of Alberta
Department of Mathematical & Statistical Sciences

Math 100: Calculus I
Section EE1, Fall 2014

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Office Hours: M 15:00–15:50 CAB 521
W 16:00–16:50 CAB 521
F 13:00–13:50 CAB 521

Lecture Room & Time: TB 45 12:00–12:50 MWF

Course Web Page: <http://www.math.ualberta.ca/~bowman/m100>

Course Description:

Review of numbers, inequalities, functions, analytic geometry; limits, continuity; derivatives and applications, Taylor polynomials; log, exp, and inverse trig functions. Integration, fundamental theorem of calculus, substitution, trapezoidal and Simpson's rules.

Course Prerequisites:

Pure Mathematics 30 or Mathematics 30-1 or equivalent, and Mathematics 31.

Textbook:

Calculus (Early Transcendentals), 7th edition, by James Stewart.

Grade Evaluation:

The course mark will be calculated based on the following breakdown:

Course Component	Weight of Total Mark	Date & Time
Written Assignments	10%	Sep 26, Oct 17, Nov 7, Nov 28 at 5pm
Online Assignments	5%	Wednesdays at 11 pm; see the schedule
Written Labs	5%	Weekly
Midterm	30%	Friday, October 24, 6 pm
Final Exam	50%	Saturday, December 13, 9 am

An overall course mark of 50% or more guarantees a passing grade of at least D. An overall course mark of 90% or more guarantees a grade of at least A-. Cutoffs between letter grades will be spaced approximately evenly between 50% and 90%.

Grades are unofficial until approved by the Department and/or Faculty offering the course.

Note: The date of the final examination is set by the Registrar and takes precedence over the final examination date reported in this document. Students must verify this date on BearTracks when the Final Exam Schedule is posted.

Assignments:

There will be two types of assignments. For the due dates see the attached schedule.

- **Online:** There will be 11 weekly online assignments (the best ten will be counted). These should be submitted online through Enhanced WebAssign (EWA) by 11 pm on the due date. The link to EWA is located in the folder "Online Assignments" on eClass. An access code for EWA is included in the Math 100 textbook package. Stand-alone access to EWA is also available for purchase at the Special Services Desk.

- **Written:** There will be 4 written assignments. Assignments will be located in the folder "Written Assignments" on eClass. These are due by 5 pm on the corresponding date and should be placed in the appropriate assignment box on the third floor in CAB. **Late assignments cannot be accepted** since the solutions to the assignments will be posted on the course web page shortly after the assignments are due.

Written Labs: Held once per week. These labs consist of paper and pencil exercises and weekly lab quizzes (ten best quizzes will be counted). Labs begin on Tuesday, September 9.

Past Evaluative Material:

Past midterm and final exams will be posted on eClass.

Missed Assignment/Lab:

Failure to submit an assignment on time will result in a mark of zero. All four written assignments will be counted toward the total mark. Only best ten online assignments and ten lab quizzes will be counted.

Missed Midterm:

A student who cannot write the midterm due to incapacitating illness, severe domestic affliction or other compelling reasons can apply for an excused absence. To apply for an excused absence, the student must present supporting documentation pertaining to the absence to the instructor within two working days following the scheduled date of the missed term work, or as soon as the student is able. In the case of an incapacitating illness, either a medical note or a statutory declaration (which can be obtained at the student's Faculty Office) will be accepted.

There will be **no deferred midterm exam**. If a student cannot write the midterm exam

for a legitimate reason as explained above, then the weight of the midterm will be transferred to the final exam.

An excused absence is a privilege and not a right; there is no guarantee that an absence will be excused. Misrepresentation of Facts to gain an excused absence is a serious breach of the Code of Student Behaviour.

Missed Final Examination:

A student who cannot write the final examination due to incapacitating illness, severe domestic affliction or other compelling reasons can apply for a deferred final examination. Such an application must be made to the student's Faculty office within two working days of the missed examination and must be supported by a Statutory Declaration (in lieu of a medical statement form) or other appropriate documentation (Calendar section 23.5.6). Deferred examinations are a privilege and not a right; there is no guarantee that a deferred examination will be granted. Misrepresentation of Facts to gain a deferred examination is a serious breach of the Code of Student Behaviour.

Deferred final exam: Saturday, January 10, 9:00 am (please arrive at 8:30 am), CAB 357.

Re-examination:

A student who writes the final examination and fails the course may apply for a re-examination. Re-examinations are rarely granted in the Faculty of Science. These exams are governed by University (Calendar section 23.5.5) and Faculty of Science Regulations (Calendar section 192.5.3). Misrepresentation of Facts to gain a re-examination is a serious breach of the Code of Student Behaviour.

STUDENT RESPONSIBILITIES

Academic Integrity:

The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behaviour (online at www.governance.ualberta.ca) and avoid any behaviour which could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Academic dishonesty is a serious offence and can result in suspension or expulsion from the University.

All forms of dishonesty are unacceptable at the University. Any offense will be reported to the Senior Associate Dean of Science who will determine the disciplinary action to be taken. Cheating, plagiarism and misrepresentation of facts are serious offenses. Anyone who engages in these practices will receive at minimum a grade of zero for the exam or paper in question and no opportunity will be given to replace the grade or redistribute the weights.

As well, in the Faculty of Science the sanction for cheating on any examination will include a disciplinary failing grade (no exceptions) and senior students should expect a period of suspension or expulsion from the University of Alberta.

Exams:

Your student photo I.D. is required at exams to verify your identity. Students will not be allowed to begin an examination after it has been in progress for 30 minutes. Students must remain in the exam room until at least 30 minutes has elapsed. During exams students are not allowed to use textbooks, notes, formula sheets, calculators, cell phones, or any other electronic equipment.

Audio or Video Recording:

Recording is not permitted unless it is part of an approved accommodation plan.

Students eligible for accessibility-related accommodations (students registered with Specialized Support & Disability Services - SSDS):

Eligible students have both rights and responsibilities with regard to accessibility-related accommodations. Consequently, scheduling exam accommodations in accordance with SSDS deadlines and procedures is essential. Please note adherence to procedures and deadlines is required for U of A to provide accommodations. Contact SSDS (www.ssd.ualberta.ca) for further information.

Academic Support Centre:

Students who require additional help in developing strategies for better time management, study skills or examination skills should contact the Academic Support Centre (2-300 Students Union Building).

Decima Robinson Support Centre for Mathematical & Statistical Sciences:

Students who require additional help are encouraged to visit the Decima Robinson Support Centre (528 Central Academic Building). Graduate students will be available to provide one-on-one help. In order to get maximum help during each visit, students are asked to be specific about the problem with which they are seeking help. The Centre is open Monday to Friday, 9:00 am – 3:00 pm.

The Decima Robinson Support Centre also offers a Pre-Calculus program designed to offer review and practice of high school math skills as students require them in their calculus course.

Policy about course outlines can be found in section 23.4(2) of the University Calendar.

Disclaimer:

Any typographical errors in this Course Outline are subject to change and will be announced in class.