

McGill University
Department of Mathematics and Statistics
MATH 140 Calculus 1, Winter 2016

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Textbook. Stewart, Single Variable Calculus (Early Transcendentals), Eighth Edition, Brooks Cole. The student solutions manual is recommended. If you plan to eventually take Calculus 3 (MATH 222) or Intermediate Calculus (MATH 262) then buy the full Calculus text: Stewart, Calculus (Early Transcendentals Edition), Eighth Edition, Brooks Cole.

Syllabus. The course will cover the following topics:

- Review of functions and graphs (Appendix D, sections 1.4, 1.5).
- Limits, continuity, derivatives (Sections 2.1–2.3, 2.5–2.8).
- Differentiation rules (Sections 3.1–3.11).
- Applications (Sections 4.1–4.5, 4.7).
- Anti-differentiation (Section 4.9).

Time and place. The class will be held at MDHAR G-10, starting on Thursday 7 January (exceptionally), and then on Mondays, Wednesdays and Fridays from 11:35 to 12:25. Classes end on 15 April. The instructor can be consulted in BURN-1242 on Mondays 12:45–2:45. In addition, the tutorial instructors will each be available two hours every week.

Tutorials. The tutorials are an integral part of this course. They will start the week of January 7 and will continue until the end of the term.

- **140-2:** BURN-1214, Tuesdays 1:35–2:25pm (Hwi Lee)
- **140-3:** BURN-920, Tuesdays 10:35–11:25am (Hwi Lee)
- **140-4:** BURN-1214, Mondays 12:35–1:25pm (Rebecca Carrington)
- **140-5:** BURN-1214, Mondays 1:35–2:25pm (Rebecca Carrington)

Assessment. Calculators and other electronic devices will not be permitted during quizzes and exams. Assessment for the course is based on the following:

Final Exam: The final examination will be of 3 hours duration. There is no “additional work” option and the grade of incomplete will not be given. A supplemental exam will be available for students registered in a faculty that supports the concept. There will be a machine-scored component in the final examination and a written component where students have to provide full solutions.

Assignments: There will be a number of assignments during the semester delivered using the internet-based WebWork system. It is the student’s responsibility to check the WebWork site from time to time to check for assignments to be completed. The URL for WebWork for MATH 140 is

It is recommended that you bookmark this page.

Quizzes: There will be three quizzes during the semester given in the tutorial sessions. Quiz dates will be posted on MyCourses. Please note that quizzes **have** to be written in the tutorial you are registered in.

Assessment: Your course mark will be determined by the following formula:

$$14\% \text{ WebWork Assignments} + 21\% \text{ Quizzes} + 65\% \text{ Final Exam}$$

Note that there is **no** 100% Final Exam option; WebWork will always count for 14% of your grade. The quizzes, however, are optional in the following sense:

Each of the 3 quizzes will count for 7% of the grade *but only if the grade obtained on that quiz exceeds the grade obtained on the final exam*. Otherwise the quiz will not count and an extra 7% of weight will be put on the final exam.

Example 1: A student obtains 74% on quiz 1, 65% on quiz 2, 76% on quiz 3 and 71% on the final. Only quizzes 1 and 3 will count for 7% of the grade each and the final will count for 72% of the grade.

Example 2: A student obtains 75% on quiz 1, 78% on quiz 2, 73% on quiz 3 and 82% on the final. None of the quizzes will count and the final will count for 86% of the grade.

Academic Integrity. McGill University values academic integrity. Therefore all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures. (see <http://www.mcgill.ca/integrity/> for more information)

Language Policy. Conformément à la Charte des Droits de l'Étudiant de l'Université McGill, chaque étudiant a le droit de soumettre en français ou en anglais tout travail écrit devant être noté (sauf dans le cas des cours dont l'un des objets est la maîtrise d'une langue). / In accord with McGill University's Charter of Students' Rights, students in this course have the right to submit in English or in French any written work that is to be graded.

Please note that in the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course is subject to change.