

Calculus I

APSC 171 - Section 900 - Winter 2015

Course description: parametric curves in two and three dimensions, velocity, acceleration, derivatives of trigonometric and inverse trigonometric functions, differentiation techniques, applications to science, linear approximation, integration and anti-differentiation, method of substitution, applications of integration to area, volume and work, integration by parts, partial fractions, approximations of integrals, improper integrals, exponential growth, harmonic motion, and separable differential equations.

This is an accelerated version of the course. *Although some material will receive less attention in lecture you will be responsible for all sections covered.*

Instructor: Federico Galetto, 506 Jeffery Hall, apsc171900@mast.queensu.ca.

Office hours: Mon: 2:30 - 3:30 pm, Thu: 2:30 - 3:30 pm.

Course website: All course information, material and updates will be posted on [Moodle](#).

Lectures: Mon: 1:30 - 2:30 pm, Wed: 12:30 - 1:30 pm, Thu: 8:30 - 9:30 am, Fri: 11:30 am - 12:30 pm, 128 Jeffery Hall.

Textbook: Calculus: Early Transcendentals, J. Stewart, 7th edition.

Course evaluation: There will be 5 weekly quizzes. Each quiz will be written in class on a Friday and will be approximately 30 minutes long. You are responsible for notifying me in advance in case of any planned absence. There will be one (cumulative) final exam. The format will be similar to the final for the Fall term. More information will be provided in class and on Moodle.

Grading scheme: Your mark will be determined according to the following scheme.

Weekly quizzes: 45% || Final exam: 50% || Participation: 5%

Participation is awarded for taking all 5 quizzes in class.

Your final letter grade will be assigned using the following table.

Grade	Percentage conversion	C+	67-69
A+	90-100	C	63-66
A	85-89	C-	60-62
A-	80-84	D+	57-59
B+	77-79	D	53-56
B	73-76	D-	50-52
B-	70-72	F	49 and below

Calculator: The inexpensive Casio 991 series will be the only calculator approved for engineering exams. (Calculators from previous years with the gold coloured sticker will still be allowed.)

Academic integrity: Academic integrity is constituted by the five core fundamental values of honesty, trust, fairness, respect and responsibility (as articulated by the Centre for Academic Integrity, Duke University; see <http://www.academicintegrity.org/>) all of which are central to the building, nurturing and sustaining of an academic community in which all members of the community will thrive. Adherence to the values expressed through academic integrity forms a foundation for the "freedom of inquiry and exchange of ideas" essential to the intellectual life of the University (see [Report on Principles and Priorities](#)). Queen's students, faculty, administrators and staff therefore all have ethical responsibilities for supporting and upholding the fundamental values of academic integrity.

It is your responsibility to acquaint yourself with the regulations and procedures described at <http://www.queensu.ca/academicintegrity/index.html>.

Disability accommodations: Queen's 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 are a student with a disability and think you may need accommodations, you are strongly encouraged to contact the Disability Services Office (DSO) and register as early as possible. For more information, including important deadlines, please visit the DSO website at: www.queensu.ca/hcds/ds/.