The University of Calgary
Faculty of Science
Department of Mathematics and Statistics
Mathematics 251 Course Schedule

Opposite are useful dates for Mathematics 251, Lectures 04 and 06, Fall 2010.

All section numbers are taken from the text *Calculus: single variable*, by R. Adams, seventh edition.

If you wish to use a different text than the prescribed one, it is your responsibility to transcribe the sections overleaf to something appropriate for your text.

Month	Day	Section	Commentary
September	13	p.1	Numbers, review
September	15	p.2	Inequalities, Lines
September	17	p.3, p.4	Functions
September	20	p.5	Composition
September	22	p.6, p.7	Polynomials, Trigonometry
September	24	1.1, 1.2	Limits
September	27	1.3	Infinite limits **Quiz #1**
September	29	1.4	Continuity
October	01	2.1	Tangent lines
October	04	2.2	Derivatives
October	06	2.3	Rules of differentiation
October	08	2.4	Chain rule
October	11		Thanksgiving. No lecture. **Quiz #2**
October	13	2.5	Trigonometric derivatives
October	15	2.8	Mean value theory
October	18	2.6, 2.9	Higher derivatives, Implicit differentiation
October	20		Thanksgiving. No lecture.
October	22	2.10	Antidifferentiation
October	25	2.11	Dynamics
October	27	3.1	Inverse functions, **Quiz #3**
October	29	3.2	Logarithms and exponentials,
November	01	3.3	Natural logarithms and e.
November	03	3.4	Exponential growth and decay
November	05	4.1	Related rates
November	08	4.4	Critical point theory, maxima, minima.
November	10		**Midterm**
November	12		Reading day. No lecture
November	15	4.5	Concavity
November	17	4.6	Graphing
November	19	4.8	Max-min problems
November	22	4.2	Newton's method
November	24	4.9	Linear approximation , **Quiz #4**
November	26	4.10	Taylor polynomials
November	29	4.3	L'Hôpital's rule
December	01	5.1	Sums
December	03	5.2	Area
December	06	5.3, 5.4	Definite Integral **Quiz #5**
December	08	5.5	Fundamental theorem of calculus
December	10	5.6	Substitution methods