MATH 105-207 SCHEDULE

Based upon the common course schedule, the rough timeline is given below. Check www.math.ubc.ca/~malabika/teaching/ubc/spring12/math105/index.html for detailed learning outcomes: not everything in the specified sections is covered in the course! Some minor adjustments may be made as the course progresses.

You are responsible for having read the specified material for a given week by Monday.

Class Dates	**Material**
Jan 4, Jan 6	Introduction, 12.1, 12.2
Jan 9, Jan 11, Jan 13	12.4, 12.8
Jan 16*, Jan 18, Jan 20	12.8, 12.9
Jan 23, Jan 25, Jan 27	5.1, 5.2
Jan 30, Feb 1, Feb 3#	Review
Feb 6, Feb 8, Feb 10	5.3, 5.5, 7.1
Feb 13, Feb 15, Feb 17~	7.2, 7.3, 7.4
Feb 20, Feb 22, Feb 24	No class!!! Reading Week!!! ☺
Feb 27, Feb 29, Mar 2	7.6, 7.7, 7.8
Mar 5, Mar 7, Mar 9	P1, P2, P3
Mar 12, Mar 14, Mar 16#	Review
Mar 19, Mar 21, Mar 23	8.1, 8.2, 8.3, 8.4
Mar 26, Mar 28, Mar 30	8.5, 9.1, 9.2
Apr 2, Apr 4	9.3, 9.4, Review

*: Last day to withdraw without 'W' standing
~: Last day to withdraw with 'W' standing without faculty approval
#: Midterm date

12.1: Planes and Surfaces
12.2: Graphs and Level Curves
12.4: Partial Derivatives
12.8: Maximum/Minimum Problems
12.9: Lagrange Multipliers
5.1: Approximating Areas under Curves
5.2: Definite Integrals
5.3: Fundamental Theorem of Calculus
5.5: Substitution Rule
7.1: Integration by Parts
7.2: Trigonometric Integrals
7.3: Trigonometric Substitutions
7.4: Partial Fractions
7.6: Numerical Integration
7.7: Improper Integrals
7.8: Introduction to Differential Equations
P1: Probability
P2: Continuous Random Variables
P3: Mean and Variance
8.1: An Overview (of Sequences and Infinite Series)
8.2: Sequences
8.3: Infinite Series
8.4: The Divergence and Integral Tests
8.5: The Ratio, Root, and Comparison Tests
9.1: Approximating Functions with Polynomails
9.2: Properties of Power Series
9.3: Taylor Series
9.4: Working with Taylor Series