Champlain
COLLEGE SAINT-LAMBERT

MATHEMATICS 201-203-RE   **WINTER SEMESTER 2008**
Calculus II – Commerce Studies

Instructor: Dr. Ming Mei
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Prerequisite: Calculus I (or equivalent)

Textbook: *Applied Calculus* for the managerial, life, and social sciences, 7th edition, by S. T. Tan, Thomson Brooks/Cole, 2007

General objective: Calculus II builds on Calculus I and introduces students to the methods of integral calculus and its applications.

Outline: The course will cover the following material:

Integrals and Applications:	Chapter 6, sections 1 - 8
Additional Topics in Integrals:	Chapter 7, sections 1 - 4
Differential Equations:	Chapter 9, sections 1 and 2
Taylor Polynomials and Series:	Chapter 11, sections1 - 6
Trigonometric Integrals:	Chapter 12, sections 3 and 4

Teaching methods: Class time will be devoted to lectures and problem solving. During problem solving sessions, students are encouraged to work in groups. Problems taken from the book will be suggested after each session. They indicate the level of difficulty of the problems that the students are expected to solve. The book will be followed closely and it is absolutely essential that each student has a copy and brings it to every problem solving session. Additional exercises (homework) will be weekly provided by the instructor.

Evaluation: There will be a quiz every week. The lowest mark of all quizzes will not be counted. There will be four term tests. The exact dates will be announced at least one week prior to the tests. The last test will cover all materials learnt in the whole semester. Attendance is required for all term tests and quizzes. No possibility of making up test or quiz exists unless a written medical notice is presented immediately after student's recovery.

Assessment plan: Quizzes: 15% , Tests: 85%.   Each term test is worth 20%, and the final test is worth 25%.