MATHEMATICS 201-203-RE   **FALL SEMESTER 2018**
Calculus II – Commerce Studies

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Office Hours:	Tuesday 10:00-11:00, Thursday 10:00-11:00, Friday 10:00-11:00, or by appointment		

Prerequisite: Calculus I (or equivalent)

Textbook: *Applied Calculus* for the managerial, life, and social sciences, 10th edition, by S. T. Tan, Thomson Brooks/Cole, 2015

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 bi-weekly quiz and a weekly homework (webwork). The best 5 quizzes and the best 10 homework (webwork) will be counted for the final grade.

➢ There will be also three term tests. Test 1 will be on the end of September, which covers the material related to anti-derivatives, integrals, substitution rule, areas, volumes. Test 2 will be on the end of October, and covers the material related to strategies of integrals such as integration by parts, by partial fractions, differential equations, L'Hospital's rules. Test 3 will be on the last week of the semester, which covers the sequence and series. The exact dates will be announced at least one week prior to the tests.

➢ 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: 10% ;   Webwork: 10%;   Test 1: 30%;   Test 2: 30%;   Test 3: 20%

Plagiarism: Students are referred to the college policy on this topic. In particular, students caught cheatings in a test will receive zero for that test and their names will be submitted to the college administration.