

UNIVERSITY OF NEW BRUNSWICK

WINTER 2010

MATH 1823 (2B)

CALCULUS FOR MANAGEMENT SCIENCES

TIME, LOCATION: MWF 09:30-10:20, T404 and Tu 08:30-09:20, SL111

INSTRUCTOR: Trevor Jones

OFFICE: Tilley 431 A

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WEBSITE: <http://www.math.unb.ca/~thj>

TEXT: *Finite Mathematics and Calculus with Applications*, 8th Edition,
by Lial, Greenwell, and Ritchey

GRADES: 10% Assignments: Online and in class.
20% Test 1: February 4, 2010
20% Test 2: March 11, 2010
50% Exam

PREREQUISITE: A minimum grade of 60% in New Brunswick high school courses:
Trigonometry and 3-space, Advanced Math with an Introduction to Calculus, or equivalent courses.

NOTE: Credit will not be given for both MATH 1003 and 1823.

SYLLABUS: We will cover the following material:

- Nonlinear Functions (10.1-10.6)
- The Derivative (11.1-11.5)
- Calculating the Derivative (12.1-12.5)
- Graphs and the Derivative (13.1-13.4)
- Applications of the Derivative (14.1-14.5)
- Integration (15.1-15.5, 16.5)