

UNIVERSITY OF NEW BRUNSWICK

FALL 2008

MATH 2513 (2A)

MULTIVARIABLE CALCULUS FOR ENGINEERS

TIME, LOCATION: MWF 09:30-10:20 and T 11:30-12:20, HC11

INSTRUCTOR: Trevor Jones

OFFICE: Tilley 431 A

EMAIL: tjones1@unb.ca

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

TEXT: *Calculus, Early Transcendentals*, 6th Edition, by Stewart

GRADES: 20% Weekly assignments: Due Mondays before 13:00.

15% Test 1: October 7, 2008

15% Test 2: November 4, 2008

50% Exam

PREREQUISITE: A grade of C or higher in both Math 1013 and Math 1503.

SYLLABUS:

- Parametric Equations (10.1-10.4)
- Vectors and 3-Dimensional Geometry (12.1-12.6)
- Vector Functions (13.1-13.3)
- Partial Derivatives (14.1-14.8)
- Multiple Integrals (15.1-15.9)
- Vector Calculus (16.2-16.9)