

# UNIVERSITY OF NEW BRUNSWICK

## WINTER 2010

### MATH 2013 (1B)

### INTERMEDIATE MATHEMATICS II

TIME, LOCATION: MWF 11:30-12:20, SL108, T 13:30-14:20 T404

INSTRUCTOR: Trevor Jones

OFFICE: Tilley 431 A

EMAIL: [tjones1@unb.ca](mailto:tjones1@unb.ca)

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

TEXT: *Calculus, Early Transcendentals*, 6<sup>th</sup> Edition, by Stewart

MATERIALS: You will need to purchase a black, hard cover, "Physics Notes" lab book. This has lined pages on the right, and alternating graph paper and blank pages on the left.

GRADES: 15% Assignments and Labs: Roughly once a week

15% Test 1: February 16, 2010

15% Test 2: March 16, 2010

55% Final Exam: To be scheduled.

PREREQUISITE: A grade of C or higher in MATH 2003.

NOTE: Late assignments will not be accepted.

All tests and exams are closed book, closed note, with no electronic devices, unless otherwise indicated.

All classes, including Tuesday classes, are mandatory.

SYLLABUS: We will cover the following material:

- Vector Calculus (16.1 - 16.10)
- Differential Equations (17.1 - 17.4)
- Sequences and Series (11.1 - 11.11)

We will also cover various special topics through laboratory-type exercises during the Tuesday classes.