Instructor Information

Instructor: Brian Marcus
Email: marcus[dot]math[dot]ubc[dot]ca
Office: Math Building, Room 218
Office Hours: W 1:30 - 3:00, Th 11:30 - 1:00 and by appointment
Phone: 822-3262

Course Information

Class time: MWF 11:00 - 12:00

Class location: Buchanan 202A

Course web page: http://www.math.ubc.ca/~marcus/Math226 will be updated throughout the term.


Course Description:
This is an HONOURS course. The emphasis will be on ideas and computation, but students will also be expected to understand and write mathematical proofs at an elementary level.

Topics: Differential and Integral Calculus of functions of several variables: Vectors and Geometry, Partial Derivatives and Differentiability, Applications of Derivatives, Multiple Integrals.

Course material will mostly be taken from Chapters 10, 12, 13, 14 of the text.
**PRE-requisite:**
One-variable calculus (68% in Math 121 or 80% in Science 1, Math 101, 103 or 105);

**CO-requisite:**
Linear algebra (Math 223, 221, 152)

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**Evaluation**

The course mark will be based on weekly homework assignments (15%), two midterms (total of 35%), and a final exam (50%). This percentage distribution is approximate.

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**Homework**

Homework assignments will be assigned weekly and due on Fridays.