Multivariable and Vector Calculus - Math 217
Section 101, Fall 2009

- *Instructor: Malabika Pramanik*

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- *Office hours: To be announced.*

- **Lectures:**

☐ Tuesday, Thursday: 9:30-11 am, Chemistry Building, Room C124.
☐ Friday: 9-10 am, Chemical and Biological Engineering Building, Room 101.

- **Text:** *Multivariable Calculus* 6th edition by James Stewart.

- **Course description:** The goal of this course is to generalize the concepts of differentiation and integration from the one-variable setting to functions of several variables. We will cover material from Chapters 13 - 17 of the text with some omissions and some additional material. A tentative schedule is as follows:

☐ Chapter 13: Vectors and the geometry of space (1 week)
☐ Chapter 14: Vector functions (1 week)
☐ Chapter 15: Partial derivatives (3 weeks)
☐ Chapter 16: Multiple Integrals (3 weeks)
☐ Chapter 17: Vector calculus (3.5 weeks)

- **Web page:** All important announcements, handouts, homework assignments, solutions and additional information about the course will be posted on the course website:

    http://www.math.ubc.ca/~malabika/teaching/ubc/fall09/math217/index.html

- **Other resources:**

☐ In addition to the instructor's office hours, solutions to the homework assignments and practice exams will be posted on the course website.
☐ There is a TA for this course who is in charge of grading the homework assignments. The TA's contact info and office hours will be posted on the course website once they are available.
☐ Please take advantage of the *drop-in math tutorials* in the southeast corner of the Qualicum Room in the Irving K. Barber Learning Centre. This is the large room just up the central staircase on level 3 in the new part of the Barber Learning Centre. Look for the signs and portable white boards. Drop-in Tutoring will be available from 9 a.m. to 4 p.m. Mondays to Thursdays and 9 a.m. to 3 p.m. of Fridays.

☐ The Math Club (http://www.ubcmathclub.org/) sells packages of old exams with solutions. They do not do this for Math 217, but they have Math 200 and 317 whose combined syllabi have a large overlap with ours. Keep in mind however that some topics are covered more in-depth in this two-term sequence than in our course.

• **Homework:** Homework will be collected at the beginning of lecture every Friday starting September 18. A problem set containing a list of problems to do and a list of problems to hand in will be posted on the course website every week. Stay tuned.

• **Grading:**

Homework	10%
Midterm 1	20%
Midterm 2	20%
Final exam	50%

• **Exams:** There will be two midterms and a final exam in this course.

☐ The midterms will be held during class hours on **Friday October 9 and November 6.**

☐ The date of the final exam is yet to be declared. *Do not make any travel plans until the exam schedule has been announced.*

☐ *Students will be required to bring ID to all tests and exams.*

☐ No calculators, formula sheets or aids of any kind will be allowed in midterms or in the final.

• **Things to know:**

☐ Missing a midterm normally results in a mark of 0. Exceptions may be granted only with prior consent of the instructor, and with official documentation supporting the student's reason for missing the exam. In case of a medical emergency, the instructor must be notified within 48 hours of the missed test, and presented with a doctor's note immediately upon the student's return to UBC. A physician's note should specifically state that the student was medically unfit to write the missed exam on that day.

☐ No late homework will be accepted after the homework solutions have been posted on the course website. If you are unable to attend lecture on a certain Friday, please talk to the instructor regarding arrangements for submitting your homework. A missed homework will result in a mark of 0.