

MATH 217—Multivariable and Vector Calculus

Section 101. T Th 9:30-11 in Leonard S. Klinck Room 201

W 11-12 Irving K. Barber Room 182.

First Class: Wednesday Sept. 5.

Instructor: Ed Perkins

Office: Math. Annex 1207, 604-822-6670

email: perkins@math.ubc.ca (only if other methods of contact are not possible)

Course webpage: <http://www.math.ubc.ca/~perkins/teaching.html>

Office Hours: (To be confirmed) Tuesday 11:10-12:40, Wednesday 1:15-3:45 or by appointment.

Text: *Multivariate Calculus* by Briggs and Cochrane, Addison Wesley, 2011.

Course Outline

The course will be based on chapters 11-14 of the text:

1. Vectors and Vector-valued functions (Ch. 11, 2 weeks).
2. Functions of several variables (Ch. 12, 3 weeks).
3. Multiple integration (Ch. 13, 3 weeks).
4. Vector Calculus (Ch. 14, 4 weeks).

Suggested Reading for Vector Calculus *Div, Grad Curl and all That*, by H. M. Schey

Grading Scheme

Weekly Assignments (posted on the course webpage) : 10

Two Tests: 40

Final exam: 50

Weekly homeworks will be posted on the course website on Wednesdays (starting Sept. 12) and collected in class on Thursday of the following week; no late homework's will be accepted. It is likely that only a subset of the questions on each HW will be graded by the TA.

The first midterm is scheduled in class on Thurs. October 4.

The exam will be scheduled by the Registrar. Please do NOT make travel plans before the schedule is released later in the term.

Policy on missed assignments and tests.

Students who are unable to hand in a homework due to a medical or equivalent excuse may have that homework not count towards their final grade.

Missing a test normally results in a mark of zero. Exceptions are granted only with prior consent of the instructor or due to a medical emergency. In the latter case, the instructor must be notified within two working days of the missed test and presented with a doctor's note immediately upon the students return to UBC. If an exception is granted for a missed test, the final exam will be used to make up that portion of the grade.

Other Resources

Drop-in tutorials begin during the second week of term. The schedule including locations will be available on-line at <http://www.math.ubc.ca/Ugrad/ugradTutorials.shtml>

The Math Club sells packages of old exams with solutions for Math 200 and 317 which together cover our syllabus.