**18.02A Multivariable Calculus (Spring 2011) – Course Information**

**Instructors:** Katrin Wehrheim, office: 2-277, email: katrin@math.mit.edu.
Ailsa Keating, office: 2-586, email: ailsa@math.mit.edu.
Lydia Bourouiba, email: lydia.bourouiba@math.mit.edu.

**Course web page:** http://math.mit.edu/classes/18.02A/

**Discussion Forum:** http://www.piazza.com  (access code 'asdf')

**Lectures:** Tuesday and Thursday 11–12, Friday 2–3, in 4–153.

**Recitation:** Monday and Wednesday 2-3 in 2–132.

**Office hours:** KW: Monday 4:15–5:15, Friday 1-2pm.
AK: Monday 5:30–6:30.

**Tutoring:** in 2-102, Mon-Tues-Wed-Thurs, 3-5 and 7:30-9:30 pm.

**Approximate Grading:** Problem sets 20%, Midterm test 25%, Final exam 45%, Reading assignments 10%. Final grade is averaged with grade for first half of 18.02A.

**Exams:** One in-class 50-minute test, and one 2h final exam – see schedule.

**Make-up Exams:** Make-ups are permitted with a medical excuse (a dean’s note explicitly mentioning absence from exam). If you must be absent for other reasons, e.g. sports, you must arrange to be excused at least a week in advance in writing by e.g. your coach.

**Problem Sets:** Weekly, due on Tuesdays at 11:00 in 2-108 (note exception for PS3 on schedule); returned in recitation. First unexcused late homework score will be multiplied by 3/4. Any further late homework requires an official excuse (a dean’s note explicitly mentioning the assignment). All late homework (excused or not) must include a signed statement certifying that you have not looked at solutions or discussed them with anyone.

**Homework Rules:** Collaboration on problem sets is highly encouraged, but

a) **Attempt each part of each problem yourself.** Read each portion of the problem before asking for help. If you don’t understand what is being asked, ask for help interpreting the problem and then make an honest attempt to solve it.

b) **Write up each problem independently.** On both Part A and B exercises you are expected to write the answer in your own words.

c) **Write on your problem set whom you consulted and the sources you used.** If you fail to do so, you may be charged with plagiarism and subject to serious penalties.

d) **It is illegal to consult materials from previous semesters.**

**Reading Assignments and Class Participation:** In preparation for each lecture, you will have the task to read the relevant chapter in the textbook resp. notes and attempt to solve a first problem. Then, by 9am on the day of the lecture, post your questions/insights in the discussion forum. (Getting stuck and understanding what you don’t understand is crucial in learning anything – especially maths.) At the beginning of the lecture, hand in whatever work you did on the problem. We will aim to return it with some feedback at the end of the lecture. Grading of this component values honest attempts at solving the problem independently and posting constructive questions/remarks (those that help focus the lecture on crucial topics or help other students understand). If you do that regularly (i.e. for at least 2/3 of the lectures), you will earn a perfect score.

Participation in the online discussion forum after lectures is also highly encouraged – but not graded.