18.100A Homework Assignments: Information and Rules

Frequency In general, there will be two assignments per week (fewer in exam weeks), due on Monday and Friday. They will be graded and returned the following class periods (i.e., on Wed. and the next Monday), with printed solutions. **To pass 18.100A, at last 3/4 of the assignments must show reasonable effort and have been handed in on time** (or be in accordance with permissions to hand them in late – see below.)

Handing in Assignments can be handed in at the beginning of the class period when you come in, on the front table, or later, up to five minutes after the start of class.

If you aren't going to be in class that day, you can slip the assignment (stapled!) under my door (2-241) any time during the morning before class, up to about 12:55 or 1:00 when I pick up the assignments that have been handed in, and leave for class. You can tell I have left – the door will be closed and the room light off. As long as it is still on, you can leave the assignment; after that you have to leave it in the classroom at the beginning of the class period.

Late papers These will be treated like on-time papers, provided permission has been obtained in advance and they are not extremely late. If without permission, the paper will not be formally graded but will be looked at, with some partial credit given if it is not more than a few days late.

Handing out Assignments (reading and problems) will be posted on the class website *http://math.mit.edu/∼apm/f12-18100A.html* right after the class period, since some adjustments may be needed according to what was actually covered in class that day.

Solutions will not be posted; printed solutions will be handed out in class with the returned graded problem sets. Returned problem sets not picked up in class will be placed in a box outside my office (2-241), with the printed solutions stapled to them. If you miss getting a printed solution (for example, by not having done that assignment), I'll leave a few in the box outside my office, or you can copy another student's.

Rules In general, collaboration on problem sets is allowed, but your paper must be thought through and written up independently. Copying a collaborator's solutions teaches you little and explaining away the resulting inconsistently low exam score can strain your imagination. Put at the top of the paper the names of any collaborators.

Consulting problem set solutions from any previous semesters is definitely not allowed. Apparent violations will be taken seriously.

Style 1. Write **dark enough** and **large enough** and **legibly enough** to be easily read by someone with less than average vision (me for instance). Subscripts should be placed where they belong – below ground level – but be large enough to be readable.

   2. Leave margins on both sides and top and bottom (international students in particular often don't do this – I don't know why).

   3. Do not start a new problem if there are only a few lines left on a page – start it on a new page. A given problem should lie in general entirely on one page (not all alone however: spare that tree).

   4. In various places in the book, stylistic recommendations that make mathematics easier to read are made. Follow them.

NOTATION: There are three types of problems in the book; don't confuse Questions with Exercises and end up doing the wrong problem!

Questions: Q1.3/2: Question 2 in section 1.3 . These occur **at the end of each section**: they are short, easy, meant to test the ideas, and have Answers at the end of the chapter. Use the Answers only to confirm your own, or just for a quick glance and hint. (*over →*)

Exercises 1.3/2: Exercise 2 at the end of Chapter 1, tied to section 1.3.
These are tied to a given section and use the techniques explained in that section; look through that section for ideas or similar examples.

Problems P1-3: Problem 1-3, the third problem at the end of Chapter 1.
These are at the end of the chapter – anything in the chapter might be relevant to solving them.

Good luck with Analysis!