Math 144
Fall 2006
R. Schultz

GENERAL REMARKS

Contact information. My office is Surge 221, and it is around the corner from the Department's administrative front desk (Surge 202). My standard office hours will be posted during the first week of the course, with availability at other times by appointment. My telephone number is 951-827-6459 (as usual, suppress the area code from inside the 951 region, and also replace the 827 by a 2 if calling from an extension at UCR). Another highly recommended option is electronic mail; my full address is `schultz@math.ucr.edu` or `reinhard.schultz@ucr.edu` or else simply `schultz` if you happen to have an account on the departmental network and are logged into one of the Department's computers. Use of electronic mail is often easier than trying to play telephone tag. **IMPORTANT:** The default filters for electronic mail on the Department network are not very restrictive and I receive an enormous amount of garbage in my electronic mailbox (100 per day sometimes!). Therefore I **strongly recommend** that you include something like Math 144 in the subject heading so that your message does not get inadvertently deleted without being read. Also, since the authors of junk messages often use only capital letters in their subject headings, this should be avoided as well.

Grading policy: There will be three examinations, with two midterm examinations in-class and the final during the officially set period during the last week of the quarter. The midterms will count 20 per cent of the course grade and the final will count for 40 per cent of the grade. There will also be two quizzes in the discussion sections that will count for a total of 14 per cent, and homework that will count for 6 per cent.

Students are responsible for knowing how to do all the exercises listed on the course homework file. Solution are either in the course texts or will be posted online (see below for more on the latter).

Schedule of quizzes and examinations. The two midterm examinations are scheduled for November 1 and November 29 (both are Wednesdays), and the final examination is scheduled for Tuesday, December 12, at the time and place indicated on the Fall 2006 UCR Schedule of Classes. The two quizzes are tentatively scheduled for October 17 and November 14.

Course texts, handouts and notes: The texts for the course are Halmos, *Set Theory*, and Lipschutz, *Schaum's Outlines: Set Theory and Related Topics*. A complete set of lecture notes for the course is also being prepared and is available at the online cite given below. All other printed handouts for the course will also be available from the World Wide Web site

`http://math.ucr.edu/~res`

in the subdirectory `math144`. These include a copy of this handout, the course outline, the course notes, the homework assignments, and various files containing supplementary material; much of this is similar to materials for the Fall 2005 version of the course, but there have also been numerous changes. All files are available in PostScript and Acrobat PDF formats, and many are also available in Microsoft Word. The `pdf` versions can be opened, downloaded, read or printed with the free Acrobat readers that are available or easily downloadable on most PC's these days, but the quality of the output is sometimes disappointing because of the software itself and the problems with the local software for converting files to this format from PostScript. The `ps` and `doc` (= Word) files are more reliable and in some cases there might also be `dvi` files (for TEX usage). The standard software for reading PostScript files is called GhostView. It might not be on a PC you are using, but free copies are available from the web site

`http://www.cs.wisc.edu/~ghost`

in formats for PC's and other relatively standard operating systems like the Macintosh system and Unix. There may also be a few picture files in the `jpeg` format.

Changes to the course directory or any of its files will be recorded in the document `aaaLOGFILE`, which appears at the top of the course directory.

IMPORTANT. (1) *Please contact me promptly if you have problems viewing or printing out any of these files.*

(2) *These files are only intended for classroom purposes and are not meant for widespread public circulation.*

Discussion sessions: In addition to the three meetings with the primary instructor each week, the class is split into two discussion sections that are scheduled for one hour each week. The instructor is Mr. J. Morton. Further information will be made available at discussion section meetings.

Primary class sessions: Student questions are encouraged. Please do not hesitate to ask questions, especially if you do not understand something or if something in the lecture seems wrong — even if everyone else seems to understand.

Questions on homework or review are generally best answered at the beginning of class. In general these are encouraged, but in some cases it might be necessary to limit such question periods.