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COURSE:    Introduction to Real Analysis,        M361K  #92385,  Summer 2012
------     MTWThF 10-11:30am                   class attendande is mandatory!

PREREQUISITES: Two of M341,328K,325K with a grade of at least C. Except ...
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TEXT:      R. Bartle, D.R. Sherbert, "Introduction to Real Analysis", 4th ed
----       and the notes posted here

SYLLABUS:  sets, functions, Mathematical induction        (approx 2 days)
--------     real numbers, sup, inf, completeness, open sets  (approx 2 days)
             sequences, limits, subsequences, Cauchy seq    (approx 4 days)
             limit of functions, limit theorems, extensions  (approx 3 days)
             continuous functions, uniform cont, inverses    (approx 4 days)
             differentiation, mean value thm, Taylor thm     (approx 4 days)
             Riemann integral, integration, fundamental thm  (approx 4 days)

INSTRUCTOR: Hans Koch, Office Hours Mon and Thu 12:30-2:30, RLM 12.152
----------                                             | 93 -100 A
                                                       | 89 - 92 A-
GRADING:   Letter grades  (A,A-,B+,...,D-,F)  will be given for | 85 - 88 B+
-------    each exam, but number grades  (100,99,..,2,1,0) will | 81 - 84 B
           be kept for averaging.  The course grade is obtained | 77 - 80 B-
           by averaging the number grades of the 3 exams and of | 73 - 76 C+
           the homework.                                | 69 - 72 C
                                                        | 65 - 68 C-
HOMEWORK will be assigned every Tue and Fri, and collected | 61 - 64 D+
-------- in class the following Fri and Tue, respectively.  | 57 - 60 D
         One homework score can be dropped, and the others  | 53 - 56 D-
         contribute 10% to the class grade.               |  0 - 52 F

EXAMS:  Two 70 minute in-class (Exam 1, Exam 2) | Exam 1 (Fri Jul 20)   30%
-----   and a 3 hour final  (Exam 3, 9-12 noon) | Exam 2 (Tue Jul 31)   30%
        Exams 2,3 cover  approx 80% new and 20% | Exam 3 (Mon Aug 13)   30%
        old material.  Make-up exams  are given | Homework              10%
        only if a student missed an exam and can '------------------------
        document a valid reason (an accident, illness, or legal obligation,
        whose timing  was not known  during the official  add/drop period),
        or if granted by the instructor during the official add/drop period.

MORE INFO: See the class web page http://www.ma.utexas.edu/users/koch/M361K/
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