312 Analysis - FINAL EXAM

Date: Wednesday, 05/05/2010.

GRADING RULES FOR THE FINAL EXAM

This explains the grading rules for 40-point-problems. The same rules apply to 80-point-problems with the exception that the number of points is doubled.

For each problem you may earn points in the following categories:

1. Citations of definitions and theorems which are used in the solution of the problem (full statement please. For example, refering to the Intermediate Value Theorem is not sufficient. This theorem has to be formulated for full credit.) Theorems and facts from the book used in the class which appear in Section 2 and later need to be written out. It is also demanded that the application for the solution is described in detail (for example to which function the Intermediate Value Theorem is applied.)

   (a) Correct statements 10 points
   (b) Correct description of the application 5 points

2. Logical reasoning and structure of the solution. You need to outline what the single statements are which lead to your solution.

   (a) Correctness of the use of symbols, mathematical language, etc. 5 points
   (b) Logical implications of statements 10 points
   (c) Formulation of statements which need to be proved in your solution 5 points

3. Formulas, algebraic manipulations, form of the solution

   (a) Correct calculations 2 points
   (b) Correct formal result 1 point
   (c) Proper writing, proper use of symbols, formal completeness... 2 points