Math 432 – Advanced Calculus – Spring 2011 – Syllabus

MWF – 11:30-12:20 – KELL 413

1 Professor and contact information

Professor: David Ross
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Office Hours: (Tentative) MWF:12:30-1:20; MWF 8:30-9:00 by appointment only

The telephone is not a good way to reach me, best is always email. I should be around most of the day MWF, and often TTh afternoons. You are welcome to drop by at any time, but office hours are preferable since I have dedicated those hours to meeting with students. If you drop by at other times, I might be hiding somewhere, or I might be busy and ask you to come back some other time, but it won’t bother me if you do come by even if I am busy. I don’t mean to hide from you! Please do not hesitate to try to arrange meetings outside of stated office hours.

Text: Rudin, Principles of Mathematical Analysis

Coverage: Text Chapters 7-11, possibly omitting the ugly parts of 10, also some supplementary material.

Attendance: Mandatory, though I will not take roll.
2 Grades:

**Homework:** The grade will be based to large extent on homework sets. I will not ask you to turn in every problem I assign; on the other hand, for some of the problems I will want you to write solutions out very thoroughly. You will also be called on to work through some of your solutions at the blackboard or projector with/in front of the class.

The homework all together will be worth 150-200 points.

**Exams:** There will be two exams worth 100 points each, and a final exam worth 150 points. The “midterm” exams will start as open-book (but not open notes) in-class exams taken right out of the homework assignments. You will then be able to rewrite some fraction of the exam at home (with notes); that fraction will be graded as much on the writing as on the correctness.

**Grades:** Your semester grade will be based on the exams, the homework, and on participation.

3 Policies

**Make-up work** Make-up exams will only be given in very unusual circumstances, with one week prior notification (or, in the event of an emergency, *very* strong documentation of that emergency).

**Late Papers** Without a very good excuse I reserve the option to not grade or otherwise count these. Even if you do have a verified, legitimate excuse, I will penalize you 5% per each business day that the paper is late, and 100% if it is handed in after I have graded the other students’ papers.

**Cheating** The distinction between working together (“collaboration”) and copying from one another (“cheating”) is a subtle one. Cheating on the examinations will not be tolerated in this class. It is the student’s responsibility to ensure that (s)he does not copy from another student, or let another student copy from him or her. Because homework comprises a large fraction of the semester grade, collaboration there is discouraged as well. If two students genuinely work together on a problem, their written solution should be sufficiently different to make it clear that each understands the solution. One student should never give an answer to another, though hints as to a solution might be OK.