640:411
MATHEMATICAL ANALYSIS I
FALL 2012

Instructor: Professor Eugene Speer
Hill Center 520, 848–445–7974
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Office hours: Monday, 1:40–3:00 PM, Hill Center 520
Wednesday, 3:20–4:40 PM, Hill Center 520
Thursday 9:00–10:00 AM, Hill Center 520
Or by appointment or chance in Hill 520


Prerequisite: Permission of department.

General: Rudin is an excellent text, and we will stay fairly close to the development there. The goal is to cover through Chapter 6, but we may not get quite that far.

Homework: Homework problems will be assigned weekly (by an assignment sheet posted on the web page), and some of these will be collected and graded. Homework is due at the beginning of the class period for which it is assigned.

One important way to learn mathematics is to talk about it. You are strongly encouraged to discuss problems—and indeed, all the material in the course—with me or with other students. If you have trouble with homework problems, or with any material in the course, I urge you to come in during my office hours, or at some other time, and discuss them.

Academic integrity: On the other hand, after you have finished discussing a problem, you *must* write your solution independently, not in concert with others. If you consult any source other than Rudin (such as another text, a web page, solutions from a previous semester, etc.), and material from that source contributes significantly to the preparation of homework, you *must* acknowledge this by citing that source; moreover, the work you turn in *must* be written up in your own words, not copied from a source. Failure to observe these restrictions will be treated as a violation of the Rutgers Academic Integrity Policy.

Exams: There will be two in-class exams, on Monday, October 15 and Monday, November 19. The final exam will be Tuesday, December 18, 12:00–3:00 PM; the room for the final will be announced later.

Grading: Grading will be based on a weighted average of homework and exams:

- Homework . . . . . . . . . . . . . . . . . . . . . . . . 20%
- Class exams . . . . . . 20% each . . . . . . 40%
- Final exam . . . . . . . . . . . . . . . . . . . . . . . . 40%