Spring 2013
Math 2283: Sequences, Series, and Foundations

Lectures: MW 12.20p - 1.10p in Phys 210.

Discussion sections:
11. TuTh 12.20p - 1.10p in Vincent Hall 6. TA: Quenneville-Belair, Vincent.
12. TuTh 1.25p - 2.15p in Amundson Hall 116. TA: Quenneville-Belair, Vincent.

Tentative office hours:
Anar Akhmedov: M 11:00–11:50am, F 3:30–5:10pm in VinH 355, akhmedov@math.umn.edu;
Quenneville-Belair, Vincent: TBA, vqb@umn.edu;

Text: Wayne Richter, *Sequences, Series and Foundations*, 2012 (course packet available at ALPHA PRINT in Dinkytown).

Course web page: www.math.umn.edu/~akhmedov/M2283

Course outline: Math 2283 is intended as a gentle introduction to the type of mathematical reasoning that is used in more advanced mathematics courses. It is recommended that students have the equivalent of at least three semesters of calculus before taking this course. Topics include: elements of logic, mathematical induction, real number system, general, monotone, recursively defined sequences, convergence of infinite series/sequences, Taylor's series, power series with applications to differential equations, Newton's method.

Homework: (Total 100 points) There will be a weekly homework assignments. The homeworks will be due (usually) the following week on Tuesday, in your discussion section. Please check the course website www.math.umn.edu/~akhmedov/M2283 for the list of homework problems and due dates. No late homework will be accepted. The first homework assignment will be due on January 29th. I'll drop the lowest homework score before determining your final course grade. You are expected to try all the assigned problems, though the TA will grade a selected set of problems. You may collaborate on the homework problems, but you must write your own solutions.

Midterm Exams: 100 points each.

I. Thursday, February 21

II. Thursday, April 4

Final Exam: 200 points.

Saturday, May 18, 4:00 p.m.- 6:00 p.m.

Course Total: 500 points.