**Math 247 – Fundamental Mathematics**  
Fall Semester 2003, section X2  
MWF 12–1:50, Henry 152

**Instructor:** Denka Kutzarova  
**Office:** Altgeld 121 (phone 265-5427, e-mail: denka@math.uiuc.edu)  
**web page:** [www.math.uiuc.edu/~denka](http://www.math.uiuc.edu/~denka)  
**Office Hours:** MWF 11-11:45

**Text.** *Mathematical Thinking: Problem-Solving and Proofs*, by D’Angelo and West, 2nd edition. The goal of the course is to become a better problem solver and to become competent in writing mathematical proofs. The course is designed for Sophomore/Junior mathematics majors as preparation for 300-level courses.  
**Pre-requisites.** Math 242 or equivalent.

**Homework.** Every Friday a homework assignment will be due. The problems will be given on the previous Friday. Solutions will be passed out on the due date of each assignment. NO LATE HOMEWORKS WILL BE ACCEPTED FOR ANY REASON. If you have a reasonable excuse for missing an assignment, that assignment will not count for your grade. Assignments will be posted on my web page.

**Exams.** Three “midterm” exams will be given during the semester (dates to be announced). Make-up exams generally will not be given.

**Grades.** The course grade will be determined by homeworks (the lowest one will be dropped) (20%), midterm exams (15% each), and the final exam (35%). All grades will be numerical (e.g. 0–100). For final course grades, 90% guarantees you an A, 80% guarantees you a B, 70% guarantees you a C, 60% guarantees you a D. Additional curving will be decided after the final exam.