MATH 220 - INTRO TO MATH REASONING
SPRING 2009


INSTRUCTOR: Anatolii Grinshpan
253 Korman
(215) 571-3586
tolya@math.drexel.edu

COURSE PAGE: www.math.drexel.edu/~tolya/220.html

CONTENT: mathematical terminology, rules of formal logic, sets and quantifiers, counting and relations, types and methods of proof, functions, examples of proofs (we will survey examples taken from different areas of mathematics).

PREREQUISITES: knowledge of Calculus and some Linear Algebra, good spirits.

FOCUS: ability to read and analyze, construct and communicate a mathematical argument.


HOMEWORK/QUIZZES: Homework will be posted weekly: one problem for careful write up (by yourself, in your own words), and the rest for practice and discussion. These problems, together with in-class examples and weekly quizzes, will constitute a basis for tests.

EXAMS: We will have two midterms and a cumulative final exam, exact dates will be announced at least one week ahead of time. No make up exams or quizzes will normally be given. If you have to miss an exam due to exceptional circumstances, please notify me promptly.

GRADE COMPONENTS: midterms 25% (each), homework and quizzes 20%, final exam 30%.

Any changes to this syllabus will be announced in class.