

Math 1420 Section 8 & 9
Foundations of Mathematics
Fall 2008

INSTRUCTOR: Nikos Frantzikinakis

CLASS HOURS: Sec 8: TR 9:40-11:05 AM in Dunn Hall 233,
Sec 9: TR 11:20-12:45 PM in Dunn Hall 129

OFFICE: 380 Dunn Hall

OFFICE HOURS: Tuesday 1:00-4:00PM, or by appointment.

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CLASS WEBPAGE: <http://www.msci.memphis.edu/~nfrntzkn/>

COURSE DESCRIPTION: Inductive reasoning, problem solving, basic concepts of set theory and logic, permutations, combinations; introduction to probability (Chapters 1, 2, 3, 11, 12, of the textbook).

PREREQUISITE: Two years of high school algebra or DSPM 0850.

TEXTBOOK: Mathematical ideas, by C. Miller, V. Heeren, J. Hornshby, *Third* Abridged edition for the University of Memphis.

CALCULATORS: Calculators will be needed for some HW assignments, but they will NOT be allowed in the exams.

EXAMINATIONS and COURSE GRADES: Three 80 min exams will be given in class on Sep 18, Oct 16, and Nov 13. Each will be worth 100 points. A comprehensive final examination will be given at the end of the semester and will be worth 200 points. The maximum score you can achieve in the class is 500 points.

GRADING SCALE: The plus/minus system will be used. The grades will be curved.

HOMEWORK: HW will be assigned weekly but will NOT be collected. Make sure that you do all the problems! Almost all exam problems will be very similar to the assigned HW problems.