

Discrete Mathematics, Math 117¹

Course Information

Spring, 2007

J. Kuzmanovich
351 Manchester
758-5300
kuz@wfu.edu

Office Hours: 2:00 MWF, 3:00 MWF

Text: *Discrete Mathematics with Applications*, 3rd edition, by Susanna S. Epp

Topics to be covered include: Formal Logic and Set Theory (Chapters 1, 2, and 5), Basic Number Theory (Chapter 3), Mathematical Induction and Recursion (Chapters 4 and 8), Basic Combinatorics (Chapter 6), Functions and Relations (Chapters 7 and 10), and Elementary Graph Theory (Chapter 11). All of these topics would be tied together with a discussion of Grammars and Finite State Machines (Chapter 12), but it is doubtful that we will have time to do this in any depth. Not every section of the above chapters will be covered; for example, we will not cover the sections on Probability in Chapter 6.

There will be two hour exams during the semester each counting 100 points; these exams will usually include a small take-home portion. The final exam will be at **2:00, Wednesday, May 9, 2007** and will count 200 points. There will also be some graded homework, checkups (take-home quizzes), and in-class quizzes (announced and unannounced) counting at most a total of 100 points. The grade will be based on total points with a possible point total of around 500 points. The grades may be curved at the end of the semester, but in no case will the grading be more severe than that of a ten-point (percentage) scale. *No make-up exams will be given.*

¹ s07courseinfo