

Math 513B Discrete Mathematics Spring 2009

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Office Hours MW 4:20-5:20 am, or by appointment
Schedule MW 5:30-6:45 pm, Jerome Richfield (JR) 202

Prerequisites: MATH 513A.

Textbook. Fred S. Roberts and Barry Tesman. Applied Combinatorics, 2nd Edition. Pearson Prentice Hall 2005. ISBN 0-13-079603-4. **Covered.** Topics from chapters 11, 12, and 13.

Topics. Combinatorics, graph theory and their applications. More specifically: Depth-First Search, Eulerian and Hamiltonian Paths, Matchings and Coverings, and Optimization Problems for graphs and Networks.

Grades. The \pm will be used when assigning final grades. 90% guarantees an A, 80% a B, 70% a C, and 60% a D. Your grade will be the combined result of a final project and three in-class tests, each counting 25% towards your final grade. The last of these exams will be scheduled as a final exam. Monday May 11, 5:30-7:30 pm.

Homework will be assigned regularly but will not be collected. It will help you prepare for the exams. Each exam will be announced in advance.

Final Project. As part of the Masters in Mathematics for Educational Careers you are required to complete a project on Discrete Mathematics by the end of this semester. This project will be developed during the entire semester. To receive a grade in this class your final project must be typed and ready to include in your portfolio. You will receive detailed instructions during the semester, starting on Monday January 26th.

Important Dates.

January 20	First day of classes
February 6	Last day to register late, add classes using permission numbers, drop a class, or change basis of grading.
March 31	Campus close – holiday, in observance of Cesar Chavez Day
April 6 – 11	Spring Break, no instruction
May 8	Last day of formal instruction
May 11	Final Examination