

Math 450: Combinatorics

Fall 2007 Section 001 — University of Nebraska–Lincoln — Course Policies

INSTRUCTOR: Stephen Hartke

OFFICE: 339 Avery Hall, PHONE: 402-472-7001, EMAIL: hartke@unl.edu

COURSE WEBPAGE: www.math.unl.edu/~shartke2/math450

OFFICE HOURS: Mon, Wed 1pm-2pm, or by appointment.

MEETING TIMES: Mon, Wed, Fri 9:30am-10:20pm in Avery Hall Room 118

FINAL EXAM: Tues, Dec 18 10:00am-12:00pm in Avery Hall Room 118

TEXT: *Introductory Combinatorics* by Richard A. Brualdi, Pearson Prentice Hall, 4th ed, 2004.

COURSE OVERVIEW:

This course introduces the fundamental concepts of linear algebra from the point of view of matrix manipulation with emphasis on concepts that are most important in applications. Topics include solving systems of linear equations, vector spaces, inner products, determinants, and eigenvalues. The course is designed to develop not only the students' computational ability, but also their ability to understand and manipulate abstract concepts through the use of proof.

COURSE REQUIREMENTS:

Homework will be assigned weekly. Discussion with other students is a great way to better understand a problem and to get ideas, but each student must write his or her submission individually. Late homework will not be accepted.

There will be three tests given during the normal class period; they are tentatively scheduled for Fri Oct 5, Fri Nov 2, and Fri Dec 7. The final exam will be cumulative over the entire semester. Makeup tests will only be given in the case of extreme illness or other hardship. The decision to give makeups is at the discretion of the instructor.

The different components contribute to the final grade as follows: homework assignments (lowest two scores dropped): 30%; three tests: 45%; final exam: 25%.

RESOURCES:

Announcements will be made in class and posted on the course webpage. Some announcements may also be sent to the student email address listed on WAM. The course webpage will also have handouts and a log of the topics covered each day.

STUDENTS WITH DISABILITIES:

Students with disabilities are encouraged to contact the instructor for a confidential discussion of their individual needs for academic accommodation. It is the policy of the University of Nebraska–Lincoln to provide flexible and individualized accommodation to students with documented disabilities that may affect their ability to fully participate in course activities or to meet course requirements. To receive accommodation services, students must be registered with the Services for Students with Disabilities (SSD) office, 132 Canfield Administration, 472-3787 voice or TTY.