

Math 958: Topics in Graph Theory

Fall 2008 Sections 001 — University of Nebraska–Lincoln — Course Policies

INSTRUCTOR: Stephen Hartke

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COURSE WEBPAGE: www.math.unl.edu/~shartke2/teaching/math958

OFFICE HOURS: Mon, Wed, Fri 11:40am–12:30pm, or by appointment.

MEETING TIMES: Mon, Wed, Fri 10:30am–11:20am in Henzlick Hall Room 36

FINAL EXAM: None

TEXT: A preliminary version of Volume I: Extremal Graph Theory from *The Art of Combinatorics*, by D. B. West; additional readings from West's *Introduction to Graph Theory*, as well as handouts and research articles.

COURSE OVERVIEW:

In this course, we will study in-depth graph coloring and its generalizations. Coloring problems will motivate the study of advanced combinatorial methods, particularly probabilistic methods and algebraic methods.

COURSE REQUIREMENTS:

Homework will be assigned periodically. Students will also have to read a research article and present it to the class (possibly working in groups).

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 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.