Combinatorics and Graph Theory 3450:415/515 Spring 2007
MWF 12:05–12:55pm, 1/16/07–5/5/07, CRH 311

Dr. Tim Norfolk, Office: A&S 279, Tel: 330–972–8018,
e-mail: norfolk@uakron.edu, Web Page: www.math.uakron.edu/~norfolk
Office Hours: MWF 10:00–10:50am, other hours by appointment

Course Policies

1. The grade for the course will be based on an average of the available points, with ranges no higher than: A 90-100%, B 80-89%, C 70-79%, D 60-69%, F 0-59%.
   Plus and minus grades are at the discretion of the instructor.
   Point Breakdown: Homework 30%, Midterm 30%, Final 40%
   Make-up tests will be given at the instructor’s discretion, and only with a valid excuse and notice on or before the original test day.

2. There will be no late homeworks accepted.
   Homework will be assigned regularly, and may be discussed in class.

3. The only reasons for incomplete grades are such things as long-term illness, which must be substantiated with written documentation. In addition the student must have completed at least 1/2 of the total work in the course, with at least a C average.

4. It is expected that students in this course comport themselves as honest adults. Disruptive behaviour may be cause for administrative withdrawal. This includes talking in class, offensive language, pagers or cell phones ringing during class, eating, etc. Any detected attempts at cheating, including plagiarism, will be dealt with accordingly.

5. The final day to withdraw from this course is Friday, April 13th, 2007. This requires the signatures of the instructor and academic advisor.

6. Final Examination: Monday, May 7th, 2007, 12:00–1:55pm.
Course Outline

Chapter 1. What is Combinatorics?
Chapter 2. Basic Counting Rules.
Chapter 3. Introduction to Graph Theory.
Chapter 5. Generating Functions and their Applications.
Chapter 11. Existence Problems in Graph Theory.

Possible Additional Material

Chapter 6. Recurrence Relations.
Chapter 7. The Principle of Inclusion and Exclusion.