



# MA 367-01

## Combinatorial Enumeration

**Semester:** Spring 2003

**Instructor:** Richard Hitt, Ph.D., Professor of Mathematics

**Office Hours:** MWF 8:15 AM - 9:05 AM, 2:15 PM - 2:45 PM, and by appointment in ILB 306 (accessible through ILB 325).

**Phone:** (251) 460-6755 is a direct line into my office. If I am not in, you can leave a message on my voice mail. If you need to speak to a secretary, you should dial 460-6264 and press 0 (zero) at the voice prompt.

**E-mail:** My electronic mail address is [hitt@jaguar1.usouthal.edu](mailto:hitt@jaguar1.usouthal.edu). This is a good way to get in touch with me.

**Web page:** I will maintain a course web page that will contain information on class meetings and homework assignments. You can access it by starting at my web page <http://www.rhitt.com> and following the links.

**Class Meeting:** MWF 9:05 PM - 9:55 PM in ILB 430.

**Text:** The text for the course is *Applied Combinatorics*, Fourth Edition, by Alan Tucker (ISBN 0-471-43809-X).

**Coverage:** We will cover most of the sections in Chapters 5 – 8 with additional material added as needed.

**Prerequisite:** MA 126 (Calculus II).

**Description:** [Taken from the *2002-2003 Undergraduate/Graduate Bulletin*] An introduction to the mathematical theory of counting. Basic counting principles, permutations and combinations, partitions, recurrence relations, and a selection of more advanced topics such as generating functions, combinatorial designs, Ramsey theory, or group actions and Polya theory.

**Grading:** There will be two in-class tests, each counting as 25% of the course grade. The final exam (Manday, May 5, 8:00 AM – 10:00 AM) will be cumulative, and will count as 35% of the course grade. The remaining 15% of the grade will be derived from short quizzes and collected homework. The lowest such grade will be dropped. There are no make-up tests or quizzes. Late homework can be accepted only with a compelling hard-luck story. If you miss a test, a grade for that test will be extrapolated from the part of the final exam which covers the missed test. (Note: You cannot choose to miss a test after you have received the test in class.) Unless otherwise announced, the cut-off points for the letter grades A, B, C and D are 90%, 80%, 70% and 60%, respectively.

**Notes:** If you have a specific disability that qualifies you for academic accommodations, please notify me and provide appropriate certification from the Office of Special Student Services (Student Center, Room 270, Phone 460-7212).

Unforeseen circumstances may require changes in the above policies and procedures. Any such changes will be disseminated to the class in an appropriate fashion.