MTHSC 119 Introduction to Discrete Methods - Spring 2005 - Syllabus
Section 1, MWF 8:00 – 8:50 am, Martin M-307

Instructor: Dr. Beth Novick

Office: Martin Hall O-321, phone: 656-1493, e-mail: nbeth@clemson.edu

Office hours: MWF 11:15-12:05 a.m. or by appointment.

Class cancellation: A class is canceled 15 minutes after the instructor fails to arrive.

Attendance: Regular and punctual attendance is expected and strongly recommended. In the event that you find it necessary to be absent from class, it is your responsibility to make up resulting deficiencies. Please read the university attendance policy for additional specifics.

Required text: *"Mathematics: A Discrete Introduction"*, E. R. Scheinerman, Brooks/Cole Publishing Company, Pacific Grove, CA, 2000. Your textbook should be brought to class each day.

Topical outline: Most sections of chapters 1 through 5; portions of chapter 7 through 9. We cover topics in proof techniques, logic, sets, relations, functions and number theory. Time permitting, we may discuss an application to Public-Key Cryptography. A certain amount of material not covered in the text may be covered in class.

Goals: Introduce fundamental concepts of mathematics and teach proof-writing skills.

Web-site: You are required to check the following web-site often:
      http://www.math.clemson.edu/~nbeth/mthsc_119s05.html

Daily assignments: Homework problems will be posted on the web-site. The homework will not be collected and it is your responsibility to closely follow on all homework problems. It will be <u>very difficult</u> to succeed in this course without doing the homework problems on a daily basis. If needed, the homework will be discussed in class. Some of the solutions will be posted on the web-site.

Quizzes: There will be weekly 15-minute, usually on Friday. All quizzes are closed-book.

Exams: There will be 3 in-class hour exams**.** The test dates will be announced on the web-site. All tests are closed-book.

Final exam: The final exam will be comprehensive and closed-book. The final exam will be used to replace the lowest hour exam score if the final exam score is higher. No exemptions on the final exam.

Make-up policy: **There is neither make-up quiz nor make-up exam.** If you are absent on the day of a quiz, you must present a <u>written official proof</u> of your absence if you want to have this quiz canceled from your record. Otherwise you receive no credit.
If you are absent on the day of an exam, you must notify the instructor <u>before</u> the exam and present a <u>written official proof </u>of your absence if you want to have your next exam grade doubled. Otherwise you receive no credit. The only excuses for missing a quiz or exam are illness, family problems or university official events.

Grading: 7 best weekly quizzes   25%
                      3 exams   45% (15% each)
                      final exam   30%

Grading scale   A (90-100), B (80-89), C (70-79), D (60-69), F (59 and below)

Academic Dishonesty Policy will be strictly enforced (see Student Handbook).
As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a high seminary of learning. Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.