

Aug 20, 2003

Text: Topics in Finite Math, by L. Page and S. Paur.

Publisher: Simon and Schuster 1996 (available at the NCSU Bookstore).

Instructor: R. E. Hartwig, HA 217, hartwig@math.ncsu.edu, tel 515-2385; www.math.ncsu.edu/hartwig/Teaching/
Office hours MWF 12.30-1.30 or by appointment.

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Topics:

1. Linear systems, linear inequalities, geometric solution. 6 days. Matrix calculator Instructions.
2. Simplex Method, Sets, Counting. 6 days
3. More Counting, Introduction to Probability, Uniform Case. 6 days
4. Conditional Probability, Independence, Random Variable, Expected values. 6 days
5. Markov Chains: Regular Chains, Absorbing Chains. 6 days.

Homework: There are 10 WEB ASSIGN homeworks at <http://www.webassign.net/ncsu/student.html>

Assignments covering the following sections are due on 11 pm of the following dates:

sections 1.1-1.2 due Aug 29;

sections 1.3-1.4 due Sep 5;

sections 2.1-2.3 due Sep 19;

sections 3.1-3.2 due Oct 3;

sections 4.1-4.3 due Oct 10;

sections 4.4-4.5 due Oct 24;

sections 5.1-5.3 due Nov 7;

sections 5.4-5.5 due Nov 14;

sections 5.6-5.7 due Nov 21;

sections 6.1-6.4 due Dec 5.

Labs: You may use the computer lab in HA 269 – which can be entered through HA 244 – as well as the labs in HA 248, 249, Dan 118 Nel S65 etc. Help is available in HA 269 and from the tutorial service in 201 Witherspoon.

Print Quota: If you want to make a hard copy of the WA HW, you have to pay \$ 5 (?) at the laundry.

WWW: MA 114 lectures are now on the web under: <http://courses.ncsu.edu/MA114/>.

Further information about Web Assign is at <http://www2.ncsu.edu/math/MA114/>

Video Tapes: Lectures for this class are on video tape in HA 244. Multimedia center: HA 244 M-F, 8-5, tutors M-F: 10-12. Also see the Undergrad Tutorial center , Nel 126.

Old trial tests are available in the Library Reserve Room or on line at:

ncsu webpage, libraries, course and e- reserves, hartwig, select 114.

Grading Policy: Your grade is determined by:

(i) 4 Tests (50%). Approx Dates, Sep 10, Oct 20, Oct 31, Nov 24.

Good performance on tests will depend on understanding class discussion and homework.

(ii) A cumulative final exam on Dec 10, 8-11pm (= covering the WHOLE course) (30%)

(iii) Possible Pop quizzes (usually Fridays!) (3%)

(iv) Web-Assign Homework: 17%

Keep ALL your old quizzes, homeworks and solutions for future reference

If you have missed class it is **YOUR responsibility** to

(i) find out what changes were made in test-dates or WA-deadlines, if any! and

(ii) copy and study the class notes. As such, please get the telephone ## and email addresses of at least two other students!

Please:

(i) do not send email messages. With 100+ students, it may not be read in time.

(ii) do not set doctor's/lawyer's/job.. appointments **on top** of our test times.

(iii) make sure you can make this exam time. If not, you may want to consider a different 114 section!

Seats will be assigned and roll will be taken. "Tardy" students disrupt the class and will be marked absent.

There will **NO Makeups** without **solid documentation**.

Breaks: Labor day Sept 1, Fall Break: Oct 9-10, Thanksgiving: Nov 26 (after 1.15 pm) -Nov 27, 28.

Last day of class Dec 5.

Make sure that you are correctly enrolled in this class!