

MA 105.002 Fall 2004; MWF 9.10-10.00 HA 307

Text: Math of Finance Lecture Notes, prepared by M.S. McCollum. Available at the NCSU bookstore

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Topics: Ch1. Simple Interest; Ch2. Bank Discount Ch3. Compound Interest
Ch4. Ordinary Annuities and Extended Ordinary Annuities Ch5. Amortization and Sinking Funds; Points
Ch6. Perpetuities and Capital Costs Ch7. Life Insurance.

Tests Dates: Sep 13: Test1 pgs 1-22; Oct 6: Test 2 pgs 25-53; Nov 3: Test 3 pgs 55-78; Nov 22: Test 4 pgs 79-97. Old trial tests are available in the Library Reserve Room or on line at: ncsu webpage, libraries, course and e-reserves, hartwig, select 105.

Homework: There are 18 WA homeworks, 4 Sample Test, 9 Labs and 1 Sample Final.

HW 1-2 due Aug 30; HW 3-4 due Sep 3; HW 5-6 due Sep 8; HW 5-6 and Sample test 1: due Sep 10; Lab 1 due Sep 13; HW 7 and Lab 2 due Sep 20; Hw 8,9,Lab 3 due Sept 27; HW 10 and Sample Test 2 due Oct 4; Lab 4 due Oct 6; Lab 5 due Oct 13; HW 11 and Lab 6 due Oct 18; HW 12 due Oct 22; Lab 7 due Oct 25; HW 13 due Oct 27; HW 14 and Sample test 3 due Nov 1; Hw 15 and Lab 8 due Nov 10; HW 16 and Lab 9 due Nov 17; HW 17 and Sample Test 4 due Nov 22; HW 18 due Nov 29; Sample Final due Dec 3.

Computer 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 the tutorial center in HA 269.

Print Quota: \$5 at the Laundry. In case you want to make a hard copy of the WA HW

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.

WA help sheet: make sure to get a copy of the MA 105 WA help sheet.

Further information is at

<http://www2.ncsu.edu/math/MA105> or at <http://www.webassign.net/ncsu/student.html>

General Help: HA 269 515-3157 or at

Grading Policy: Your grade is determined by:

- (i) 4 Tests (50%). Good performance on tests will depend on understanding class discussion and homework. If you miss 4 or fewer classes, the lowest test grade will count once while the other three will count twice (i.e. 1/7 and 2/7 resp.)
- (ii) A **cumulative Final exam** covering the WHOLE course on Friday Dec 10, 8-11 am (30 %)
- (iii) Web Assignments, Web Labs, pop quizzes (usually on Friday!), and possible in-class performance (i.e. on blackboard) (17% + 3 %)

Calculator: All students in MA 105 must provide their own business calculator. It is strongly recommended that students purchase the HP-10B or HP-10BII, business calculator since this course is instructed using this model. Students who choose to use a different calculator are responsible for learning to use it on their own.

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. Use office hours or call.
- (ii) do not set doctor's/lawyer's/job/court.. 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 105 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**.
- (iv) All special students please see me **in person** in my office ASAP.

Make sure that you are correctly enrolled in this class!

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

Make sure you start your revisions early enough!

Make sure your email address is working!

Breaks: Labor day Sept 6, Fall Break: Oct 7-8, Thanksgiving: Nov 24-26

Last day of classes: Dec 3.

