

MA 105: Mathematics of Finance
Fall 2017, days and times of class, room class meets
(course coordinator: J. Scroggs)

Instructor: Your Name Here

Office: Your office location

Office Hours: Your office hours (or by appointment)

Email: UnityID@ncsu.edu

Course Page. We will be using Moodle as our main course hub. Available via <https://wolfware.ncsu.edu/>.

Course Description. This course focuses on the basic mathematical tools of finance with an emphasis on real-world applications. In particular, we will cover the time value of money, simple interest, bank discounting, compound interest, ordinary annuities, amortization, sinking funds, perpetuities and capitalized costs.

Required Materials.

- (1) *Mathematics of Finance* by Marilyn McCollum. Free course manual available online via the Moodle page, or at <http://www.courses.ncsu.edu/ma105/common/ma105manual.pdf>.
- (2) *WebAssign Access Code*. Available for purchase at <http://www.webassign.net/ncsu/>. Log in using Unity ID and password. You will be prompted to purchase a code within 10 days.
- (3) *Business/Financial Calculator*. HP-10BII+ required.

Structure and Grading. The break-down of grades for the course is as follows:

Component	Weight	Details
WebAssign-(SA & reviews)	100 pts. (11.8%)	WebAssign(SA & reviews) deadlines online.
WebAssign-(Excel Labs)	50 pts. (5.9%)	WebAssign(Excel Labs) deadlines online.
In-Class Exam 1*	150 pts. (17.6%)	Closed book, closed notes: September 15 , (5 th class session)
In-Class Exam 2*	150 pts. (17.6%)	Closed book, closed notes: October 18 , (16 th class session)
In-Class Exam 3*	150 pts. (17.6%)	Closed book, closed notes: November 10 , (23 rd class session)
Final Exam	250 pts. (29.4%)	Comprehensive: Schedule Information in MyPack

*dates subject to change

Final grades will be computed according to the following table:

A+	100 - 98	A	97.99 - 92	A-	91.99 - 90
B+	89.99 - 88	B	87.99 - 82	B-	81.99 - 80
C+	79.99 - 78	C	77.99 - 72	C-	71.99 - 70
D+	69.99 - 68	D	67.99 - 62	D-	61.99 - 60
		F	< 60		

Final Exam. The final exam date is scheduled by the University for **date of your exam** in room for your exam and is non-negotiable. Make your travel plans accordingly.

Attendance Policy. Attendance will be taken per NCSU policy, and active attention/participation is expected for the entirety of the scheduled class time. The use of cell phones and/or laptops is prohibited during lecture. Students arriving to lecture more than 10 minutes late, or not actively engaged in class (doing other work, socializing, sleeping, etc.) will be recorded as absent. If you have 3 or fewer unexcused absences at the end of the semester and attend all test days, you will receive a bonus to WebAssign (combined) without exceeding max points as follows:

- No absences - 40 points.
- 1 absence - 30 points.
- 2 absences - 20 points.
- 3 absences - 10 points.

WebAssign Homework. All homework assignments, including skills assessments, Excel labs, and reviews, are obtained, submitted, and graded online via WebAssign. Microsoft Excel is available on all University computers. Due dates are posted on WebAssign and I will remind you in class. **It is very important to keep up with this work and not save it for the last minute:** No make-up work is available for missed assignments. It is your responsibility to ensure your computer works properly, or you can use University computers. I highly recommend you print each assignment and work it with pencil and paper before submitting.

Make-up Policy. Test make-up policy is in accordance with the University policy. Make-up tests for anticipated absences must be scheduled *before* the scheduled test date. Students with unanticipated excused absences must contact the instructor within 24 hours of the test date to schedule a make-up. Make-ups for tests will be subject to instructor availability.

Non-standard Grading. Satisfactory/Unsatisfactory grading and Audit grading will be in accordance with University policy.

Test Corrections. Answer keys for all tests will be posted on Moodle when the exams have been returned in class. If a grading error is found after looking at the posted answer key, then you should **contact the instructor**, not the TA, via email within 1 class period after the tests are returned to set up a meeting. **Do not alter the original work.** Any grade change is subject to the discretion of the instructor.

Accommodations. Reasonable accommodations will be made for students with verifiable disabilities. To take advantage of available accommodations, students must register with Disability Services for Students at <http://www.ncsu.edu/dso/> and then notify the instructor.

Code of Student Conduct. All students are expected to adhere to the University's regulations on academic integrity. Documentation of violations will be submitted to the Office of Student Conduct. http://www2.ncsu.edu/ncsu/stud_affairs/policies/code95.html.

Getting Help. Study groups are encouraged for this course. Also, please feel free to come by instructor and TA office and MMC hours. These exist for the sole purpose of helping students, and are most effective if you arrive having attempted all of the assignment and with specific questions in hand. I will be maintaining a class Moodle site with posted course announcements, lecture slides, and a discussion forum for you to ask WebAssign questions and help your classmates. Please make sure to first post homework help to the Moodle site before emailing an instructor or TA, that way they can respond on Moodle if need be. Note that Moodle posts and e-mails received near a due date, or during late hours, may not be answered before the assignment is due, so please start homework promptly. Free drop-in tutoring is available at the MMC in SAS 2105 weekdays 8 am - 5 pm, and tutors for hire are listed at <http://www.math.ncsu.edu/mmc/tutorinfo.php>.

Course Schedule. Lecture breakdown, HW due dates, and material covered on each exam will be based on class progress: be sure to check WebAssign or Moodle for current due dates. In general, **Homework is due at 11:59 pm** on due dates. There is **No Class on 10/06, 11/24** for University holidays (Fall Break and Thanksgiving Break).

*the instructor reserves the right to make changes to the syllabus at their discretion.