

MA111 SYLLABUS

SPRING 2009

Read this syllabus carefully. You are responsible for knowing everything in this document. If you have any questions, do not hesitate to ask your instructor.

Course Information

Title Introduction to Contemporary Mathematics
Text Excursions in Modern Mathematics, Tannenbaum
Sections 1-TR 8:00-9:15, CB339
2-TR 9:30-10:45, CB337
Website www.ms.uky.edu/~dmoore/ma111.html

Instructor Information Dennis Moore, dmoore@ms.uky.edu, Office: 722 POT, 257-6807
Office Hours: MW 3:00-3:50 and T 1:00-1:50 in the Mathskeller

The best way to contact me outside of class or scheduled office hours is via email. If my office hours are inconvenient, I would be happy to schedule an appointment with you.

Course Description This course explores mathematical methods in a series of applied areas such as Mathematics of Voting, Management, and Growth. The course is not available to persons who have received credit in mathematics courses of a higher number with the exception of 112, 123, 162, 201, or 202. The course is not a prerequisite for any calculus course. **Prerequisites:** Two years of high school algebra and a Math ACTE score of 19 or above, or MA 108R, or math placement test.

Material The course will be broken up into three parts each ending with an exam. The first part will cover chapters 1 and 2. The second will cover chapters 5 and 6. The third will cover chapters 9 and 10.

Grading Throughout the course we will have exams, quizzes, and homework. The overall grade will be determined as follows. Each exam will account for twenty points (sixty points for all three), the average quiz score for ten points, the average homework score for twenty-five points, and participation for five points. (There are one hundred points total). Letter grades will follow a 90-80-70 scale—90 points will earn an A, 80 points a B, 70 points a C, 60 points a D, and fewer an E. Midterm grades will roughly follow this pattern and will be posted online during the week of March 9.

Exams Three exams will be given during the semester. Each will cover two chapters from the textbook (so they will not be cumulative). The first two exams will be given during the normal lecture period. Estimated dates for the exams are given below; these may be adjusted as necessary. If you are not able to make an exam (because of an excused absence), let me know two weeks in advance so that we can make other arrangements.

Exam 1—February 17, Exam 2—March 31

Exam 3--Section 1: Thursday, May 7, 8:00 am, Section 2: Friday, May 8, 10:30 am

Students with officially recognized special needs will have their exams scheduled at a different time. Please inform the instructor and provide documentation as soon as possible.

Quizzes Quizzes will be given on a nearly weekly basis to prepare for the exams. The solutions will be discussed in class. Quiz problems will be very similar to homework problems. You may also be asked to give a definition or state a theorem. Read the textbook carefully!

Missed Quizzes will not be made up. If the absence is excused, the quiz score will be omitted from the overall grade.

Homework Homework will be assigned regularly. You are expected to read the relevant sections of the textbook and work on all assigned problems. Only a few will be graded; the rest will be checked to see that a serious attempt was made. Solutions to some of the problems will be discussed in class. Late homework will not be accepted (except for excused absences, when it must be turned in within a week of the due date).

Submitted work should be written neatly, in complete sentences, organized clearly, and stapled (if necessary). Points will be deducted otherwise.

Participation Points As indicated above, five points of the grade is reserved for a participation grade. For each class period in which a student does not participate, beyond the first two, a point will be lost. This includes unexcused absences. To have an absence excused, submit the reason for missing class in writing (email is fine) before the class is missed if possible or as soon afterwards as possible.

Participation in class includes arriving on time, staying for the duration of the lecture, bringing the required materials, and being attentive and active in discussions and activities. Students engaging in disruptive behavior (such as sleeping, reading a newspaper, doing unrelated work, using a cell phone, having conversations with other students) will not receive the point for that day.

Academic Dishonesty Students are encouraged to discuss problems together; however, all solutions should be written up individually. Communicating with other students during quizzes or exams and using calculators for anything other than performing the required calculations is forbidden. All instances of cheating will be dealt with according to University guidelines.

Other Notes Do not hesitate to ask relevant questions during lectures. Seek help early. There are a number of resources available to students; become familiar with them.

Important Dates

MLK Day (Holiday): Jan 19, Last day to add: Jan 21, Last day to drop: Feb 4; Spring Break: Mar 16-20, Last day to withdraw: Apr 3, Last day of classes: May 1