

MA 111 INTRODUCTION TO CONTEMPORARY MATHEMATICS  
SYLLABUS  
Fall 2008

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Office Hours: T 1:00-1:55pm (Mathskeller); T 5:00-6:00pm; R 5:00-6:00pm

MA 111 Introduction to Contemporary Mathematics (3) is "an introduction to concepts and applications of mathematics, with examples drawn from such areas as voting methods, apportionment, consumer finance, graph theory, tilings, polyhedra, number theory, and game theory. This course is not available for credit to persons who have received credit in any mathematics course of a higher number with the exceptions of MA 112, 123, 162, 201 and 202."

**Class Times:** MA 111 006 TR 2:00-3:15pm CB 335  
MA 111 007 TR 3:30-4:45pm CB 335

**Prerequisites:** "two years of high school algebra and a Math ACTE score of 19 or above, or MA 108R, or math placement test."

**Textbook:** *Excursions in Modern Mathematics with Mini-Excursions*, custom edition for the University of Kentucky, 2008, Peter Tannenbaum

**Course Material:** We will cover chapters 1, 2, 5, 6, 9, 10, Mini-Excursion 3.

**Exams:** there will be two midterm exams and one final.  
Exam 1, Thursday October 2  
Exam 2, Thursday November 6  
Final Exam, TBA

**Homework:** will be assigned approximately once per week.

**Attendance:** All registered students are expected to attend and participate actively in class regularly.

**Grading:** Exam 1: 20%  
Exam 2: 20%  
Final Exam: 20%  
Homework: 35%  
Attendance: 5%  
Scale: A>90%, B>80%, C>70%, D>60%, E<60%

Note that late homework will not be accepted, unless with a valid university excuse; however there will be a late deduction on the grade. Also, student are required to give their instructor two weeks notice, in writing, of any conflict of a common-hour exam.

**Webpage:** Announcements and homework problems will be posted on  
<http://www.ms.uky.edu/~pho/ma111.html>

**Resources:** Mathskeller CB 63  
<http://www.mathskeller.com>

**Academic Honesty:** "Students are encouraged to work together to understand the problem and develop a solution. However, the solution you submit for credit must be your own work. Cheating or plagiarism is a serious offense and it will not be tolerated."

**Important dates:** Last day to add: Sep 3  
Last day to drop: Sep 17  
Last day to withdraw: Nov 7  
Labor Day: Sep 1  
Election Day: Nov 4  
Thanksgiving Break: Nov 26-29  
Last day of Classes: Dec 12

**Final quote:** "My goal is to show the open-minded reader that mathematics is a lively, interesting, useful, and surprisingly rich human activity." - Peter Tannenbaum