

Course Syllabus for MA111-401&MA111-402
Introduction to Contemporary Mathematics
University of Kentucky
Fall 2008

MA 111-401 meets TR 6:00pm-7:15pm in FB 213
MA 111-402 meets TR 7:30pm-8:45pm in FB 213

Instructor : Sue Foege (Rhymes with bogey and hoagiel)
Email : susan.foege@kysu.edu

Work Phone : 502.597.6870
Home Phone : 859.266.7994
Office Hours : By appointment MW evening or on the weekend!

Important Contact - in case of conflict!
MA 111 course coordinator : Dr. Ochanine - office is in POT 837

Places on campus to get mathematics help :
The Mathskeller and The Study
For location, hours and more info go to <http://www.mathskeller.com/>

Textbook : *Excursions in Modern Mathematics with Mini-Excursions*, 6th edition
or 2008 custom edition for UK; Author : Peter Tannenbaum

Course Description:

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. Prereq: Two years of high school algebra and a Math ACTE score of 19 or above, or MA 108R, or math placement test.

Rationale: College students should understand some of the basic elements of mathematical thinking that are a part of everyday life, and develop an appreciation for applications of math and for mathematics as an art and science!

Material Covered :

Chapters 1 and 2 - Voting
Chapters 5 and 6 - Graph Theory
Chapters 9 and 10 - Mathematics in the real world, and mathematical models
Mini-Excursion 3 - Financial Math (loans and annuities)
Time and interest permitting, additional topics and chapters may also be covered

Grading: 3 Exams @ 100 pts each = 300 points
Quizzes = 75
Homework = 100
Attendance = 25
Total = 500 pts

Grading Scale :

450-500 = A ; 400 - 449 = B ; 350 - 399 = C; 300 - 349 = D ; below 300 = E

Grading Details:

Exams: Should you miss an exam, I must be notified before the exam, or within 24 hrs after the exam for you to qualify for the opportunity to make it up. However, make-up exams will only be given for University approved excuses.

Exam 1 will be given the week of September 29

Exam 2 will be given the week of November 3

Exam 3 will be given during Final Exam week

Quizzes: Expect one quiz every week. These can not be made up, and your two lowest quiz scores will be dropped.

Homework: Homework will be assigned from both the odd numbered and even numbered problems. HW will be graded for completeness. A selection of the assigned problems will be graded for mathematical correctness and clarity. Homework may include in-class work as well as traditional textbook homework. There will be a grade penalty for late homework (5% reduction for each class period beyond the due date)

Attendance: This is not optional. Missing more than two classes will cost you attendance points!

Academic Honesty : I encourage you to work in groups - this does not mean to copy somebody else's work and then turn it in as your own! Cheating and/or plagiarism can result in failing this class and in removal from the university! I highly recommend that you read <http://www.uky.edu/Ombud/Plagiarism.pdf>

Important Dates:

- September 1 - Labor Day - academic holiday
- September 3 - last day to add a class
- September 17 - last day to drop a course
- November 4 - Election Day - academic holiday
- November 7 - last day to withdraw from a course
- Final Exam Week - December 15-19

Note: If needed changes may be made to this syllabus - all changes would be mutually agreed upon!