

Syllabus for Math 162 Finite Math Fall 2008

Lecture: 116 BS 9-9:50 Monday and Wednesday

Teacher: Prof. Carl Eberhart 759 POT carl@ms.uky.edu

Office Hours: 10-12 MW Mathskeller 65 CB. You may also consult by email.

Recitation Leaders: Aaron Saxton Sections 1-4 Aaron.Saxton@uky.edu

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Text: *Applied Finite Mathematics*, 7th Ed., by S. T. Tan

Outline of Content: Linear Equation and Models, Chapters 1 and 2 ; Linear Optimization, Chapters 3, 4; Business Math, Chapter 5; Counting Principles and Probability, Chapters 6 and 7

Course Goals: This course covers topics that have wide applicability: linear equations and models, linear optimization and business math, counting principles, and probability. Your goal for the course is to learn these topics well enough that you can confidently use them to solve problems that occur on the homework and exams. You should work to achieve a level of understanding that will enable you to apply your knowledge to settings beyond this course.

Exam Schedule: There will be **three** 2 hour midterm examinations: All are on Mondays from 5 to 7 pm in CB 118. The dates are September 29, October 20, November 10.

Final Exam The final exam is on Thursday December 18 from 6 to 8 pm. It is a comprehensive exam.

Alternative time for Midterm Exams is from 3:00 PM to 5:00 PM on the exam days. You **must** apply in writing by class time by Wednesday preceding the exam. Use the form at

http://www.msc.uky.edu/carl/ma162/makeup_request.html . There is no Alternative Final Exam time!

Homework: You will get your homework assignments and submit the answers you work out using the online homework system at <http://www.mathclass.org>. You will automatically be registered in mathclass within a day of enrolling in the class. It is a good idea to print the homework and work out the answers by hand, then later log back into mathclass and submit your answers. If you miss a problem, you can rework it and submit your answer again for full credit, until the deadline, usually midnight on Monday. Submissions after the deadline are not recorded. Peer tutoring is available at the Study, details at <http://www.uky.edu/UGS/study/Tutor.php>

Grading and exams: Each of the four exams is 20%. Homework is worth 10%. Recitation is 10%. Grades are determined on the scale: 90-100% A, 80-89.9% B, 70-79.9% C, 60-69.9% D and below 60% E.

Behavior: Everyone is expected to come to class on time and show respect for others in the class. Do not talk unnecessarily during class. All cell phones must be off during class. Please inform me prior to the start of class if you need to leave early. I encourage you to study together and work on the common version of the homework, but answers to your personal homework and all exam work that you submit must be your own. Cheaters will be punished according to University regulations: Read about this at http://www.uky.edu/Ombud/acadoffenses/new_policy.pdf

Important Dates: Labor Day Sept 1, Last day to withdraw Nov. 7, Thanksgiving break Nov 19-21.

Exams Sept 29, Oct 20, Nov 10, and Dec 18

Class days: Aug 27 Sept 3, 8, 10, 15, 17, 22, 24, 29 Oct 1, 6, 8, 13, 15, 20, 22, 27, 29 Nov 3, 5, 10, 12, 17, 19, 24 Dec 1, 3, 8, 10