Finite Mathematics and Its Applications

MA162 Syllabus

Sections 001-006
Fall 2011
MW 8:00am
CB118

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Schedule: MA162 meets 8:00am to 8:50am Mondays and Wednesdays in CB118. Each section has an individual recitation meeting as its third meeting. These meetings occur at various times on Tuesday and Thursday as indicated on the website: www.ms.uky.edu/ma162.

Dr. Schmidt holds office hours in the Mathskeller (CB63) on Mondays and Wednesdays from 9:00am-10:00am and Fridays from 4:00pm-5:00pm. Megan Dailey and Jonathan Thompson hold office hours in the Mathskeller on Thursday from 10:30am to 11:20pm and 12:30pm to 1:20pm.

There are three evening exams at 5:00pm-7:00pm. They occur on Sep 26, Oct 17, Nov 14, all Mondays. In case of time conflict, alternate exams are available the same day at 3:00pm, but you must notify me in writing by Sep 19. The final exam will be Dec 14, 8:30-10:30pm; conflicts with other final exams of lower numbered courses must be submitted in writing no later than Monday, November 28th.

Policies: Behave professionally in class, and address your peers in the classroom courteously. If you need to make an emergency call or text, please quietly excuse yourself and handle the emergency outside of the classroom. Inform me in writing before September 14th of any special accommodations needed for religious reasons, and as soon as possible for disability or extra-curricular reasons.

Please inform your instructor in advance and in writing of any absences. Class absences not reported in writing within one week of the first day of absence are not excused; exam absences not reported within 12 hours of the beginning of the exam are not excused. Exam absences are only excused if they meet the university excused absence policy and are subject to strict verification. Excused absences will not lower your grade, but unexcused absences result in no credit for that day's attendance and recitation points. Homework cannot be turned in late for any reason, and must be turned in through the web homework system at mathclass.org.

In writing means paper in my POT715 mailbox, email to ⟨jack.schmidt@uky.edu⟩, or text to 512-522-5137. In all cases, leave a clear message including your name and course (MA162).

Content: We will cover chapters 1-7 of a custom edition of Tan's *Applied Finite Mathematics*, ISBN 0-495-02556-9. Please bring the book to each class. A more detailed schedule is on the course homepage, but roughly speaking we will cover: linear equations, models, and optimization; finance; combinatorics and probability. You should expect to become more comfortable with decision procedures that must take into account more than one input and more than one constraint, and so should be better prepared to handle problems in life sciences and management.

Grading: Each of four exams is worth 19% of your final grade, classroom attendance is worth 6% of your final grade, recitation participation is worth 9% of your final grade, and homework is worth 9% of your final grade. Grades are assigned on the standard scale, 90-100% is an A, 80-89% is a B, 70-79% is a C, 60-69% is a D, and below 60% is an E. Attendance is determined by sign-in sheet, and recitation participation as described by your recitation instructor. Homework is handled through the Mathclass website.

Collaboration: Collaboration is encouraged. Any work turned in for grading will be individually assessed and should represent an individual's work, but it is assumed that that work was done in a collegial atmosphere. Plagiarism is a serious academic offense. Your ideas are valuable; please present your own ideas after having listened to the ideas of your colleagues. Ideas are meant to be shared, understood, and reshaped, not simply copied. Cheating on quizzes or tests will be handled in accordance with university policy, and can result in a failing grade for the entire course and even more serious consequences.

Tentative weekly schedule: The weekly schedule is subject to change, but should be similar to the following:

Monday topic		Wednesday topic		Friday Homework due	
		Aug 24	1.1/1.2	Aug 30	HW 0 (extended to Tue)
Aug 29	1.3/1.4	Aug 31	2.1	Sep 2	HW 1.1 - 1.4
Labor day		Sep 7	2.2	Sep 9	HW 2.1 - 2.2
Sep 12	2.3	Sep 14	2.4	Sep 16	HW 2.3 - 2.4
Sep 19	2.5	Sep 21	2.6	Sep 23	HW 2.5 - 2.6
Sep 26	Review				

Sep 26, Exam 1, 5:00pm - 7:00pm

Sep 26	Review	Sep 28	3.1	Sep 30	HW 3.1
Oct 3	3.2	Oct 5	3.3	Oct 7	HW 3.2-3.3
Oct 10	4.1	Oct 12	4.2	Oct 14	HW 4.1-4.2
Oct 17	Review				

Oct 17, Exam 2, 5:00pm - 7:00pm

Oct 17	Review	Oct 19	5.1	Oct 21	HW 5.1
Oct 24	5.2	Oct 26	5.3	Oct 28	HW 5.2-5.3
Oct 31	6.1	Nov 2	6.2	Nov 4	HW 6.1-6.2
Nov 7	6.3	Nov 9	6.4	Nov 11	HW 6.3-6.4
Nov 14	Review				

Nov 14, Exam 3, 5:00pm - 7:00pm

Nov 14	Review	Nov 16	7.1	Nov 18	HW 7.1
Nov 21	7.2	Thanksgiving		Nov 25	HW 7.2
Nov 28	7.3	Nov 30	7.4	Dec 1	HW 7.3-7.4
Dec 5	7.5	Dec 7	Review	Dec 9	HW 7.5

Dec 14, Final Exam, 8:30pm - 10:30pm