

FINITE MATHEMATICS AND ITS APPLICATIONS

MA162 SYLLABUS

Sections 001-006, 013-018

Spring 2011

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Schedule: MA162 meets three times per week. Sections 001-006 meet from 9:00am to 9:50am Mondays and Wednesdays in CP155. Sections 013-018 meet from 2:00pm to 2:50pm Mondays and Wednesdays in FB200. 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 3:00pm-4:00pm and Fridays from 9:00am-10:00am; Dr. Sathaye on Mondays and Wednesdays from 9:00-10:00am; six other MA162 TAs have office hours there as well.

There are three evening exams at 5:00pm-7:00pm. They occur on Feb. 7, Mar. 7, and April 11, all Mondays. In case of time conflict, alternate exams are available the same day at 3:00pm, but you must notify me by email at least one week in advance. The final exam will be May 4, 6:00pm-8:00pm, a common hour exam, not the evening-weekend scheduled exam; conflicts with other final exams of lower numbered courses must be submitted in writing no later than April 22nd.

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. Please inform your instructor before January 20th 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 of any absences. Absences not reported within one week are not excused. Excused absences will not lower your grade, but unexcused absences result in no credit for that day's attendance and recitation points. Excused absences may be subject to verification according to university policy. Excused absences do not excuse one for homework, unless the excused period covers the entire period from the first time the material is covered until the due date (this is typically more than 7 days). Homework cannot be turned in late for any reason, and must be turned in through the web homework system at mathclass.org.

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: The official grade policy is on the [course homepage](#). Roughly speaking, 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 roll call, and recitation participation as described by your recitation instructor. Homework is handled through the [Mathclass website](#).

Collaboration: Collaboration is encouraged. Each section will determine whether in class activities are group-work or individual. 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.

Other instructors: You may find it useful to know the other instructors: Dr. Sathaye teaches sections 007-012 on Monday, Wednesday 12:00pm-12:50pm, CB106. The recitations and evening classes are taught by:

Section	Instructor	Email	Office Hours	
001-004	JiYoon Jung	jjung@ms.uky.edu	Tu	10:30-11:20
005-008	Laura Graham	laura.graham@uky.edu	TuTh	1:30- 2:30
009-012	Norman Fox		Tu	9:00- 9:50
013-016	Nick Armenoff	nicholas.armenoff@uky.edu	Mo	9:00- 9:50
017-018	Ashley Harrison	ashley.harrison0525@uky.edu	We	10:00-10:50
401-402	John Mosley		Tu	2:30- 3:20

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

Homework due		Monday topic		Wednesday topic	
				Jan 12	1.1, 1.2
Jan 18	HW A0			Jan 19	1.3, 1.4
Jan 24	HW A1	Jan 24	2.1	Jan 26	2.2
Jan 31	HW A2	Feb 2	2.3	Feb 4	2.4
Feb 6	HW A3	Feb 7	Review	Feb 9	2.5
Feb 7, Exam 1, 5:00pm - 7:00pm					
Feb 7	HW A3	Feb 7	Review	Feb 9	2.5
		Feb 14	2.6	Feb 16	3.1
Feb 21	HW B1	Feb 21	3.2	Feb 23	3.3
Feb 28	HW B2	Feb 28	4.1	Mar 2	4.2
Mar 6	HW B3	Mar 7	Review	Mar 9	5.1
Mar 7, Exam 2, 5:00pm - 7:00pm					
Mar 6	HW B3	Mar 7	5.1	Mar 9	5.1
Spring break					
		Mar 21	5.2	Mar 23	5.3
Mar 28	HW C1	Mar 28	6.1	Mar 30	6.2
Apr 4	HW C2	Apr 4	6.3	Apr 6	6.4
Apr 10	HW C3	Apr 11	Review	Apr 13	7.2
Apr 11, Exam 3, 5:00pm - 7:00pm					
		Apr 11	Review	Apr 13	7.1
Apr 18	HW D1	Apr 18	7.2	Apr 20	7.3,7.4
Apr 25	HW D2	Apr 25	7.5	Apr 27	Review
Apr 29	HW D3				
May 4, Final Exam, 6:00pm - 8:00pm					