Finite Mathematics and Its Applications

MA162 Syllabus

Sections 001-006 (MW 9:00am in FB200)
Sections 007-012 (MW noon in FB200)
Spring 2012

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Schedule: MA162 meets Mondays and Wednesdays in FB200. Each section has an individual recitation as its third meeting. These recitation meetings occur at various times on Tuesday and Thursday as indicated on the website: www.ms.uky.edu/ma162.

There are three evening exams at 5:00pm-7:00pm. They occur on Feb 6, Mar 5, and Apr 9, 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 Jan 23. The final exam will be Wed May 2, 8:30-10:30pm; conflicts with other final exams of lower numbered courses must be submitted in writing no later than Monday, April 23rd.

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 Feb 1st 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 20% of your final grade, recitation participation is worth 10% of your final grade, and homework is worth 10% 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. Recitation participation is 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	
		Jan 11	1.1/1.2	Jan 17	HW 0 (extended to Tue)
Jan 16	MLK day	Jan 18	1.3/1.4	Jan 20	HW 1.1 - 1.4
Jan 23	2.1	Jan 25	2.2	Jan 27	HW 2.1 - 2.2
Jan 30	2.3	Feb 1	2.4	Feb 3	HW 2.3 - 2.4
Feb 6	Review				

Feb 6, Exam 1, 5:00pm - 7:00pm

Feb 6	Review	Feb 8	2.5	Feb 10	HW 2.5
Feb 13	2.6	Feb 15	3.1	Feb 17	HW 2.6-3.1
Feb 20	3.2	Feb 22	3.3	Feb 24	HW 3.2-3.3
Feb 27	4.1	Feb 29	4.1	Mar 2	HW 4.1
Mar 5	Review				

Mar 5, Exam 2, 5:00pm - 7:00pm

Mar 5	Review	Mar 7	5.1	Mar 9	HW 5.1

Spring break Mar 12 - Mar 16

Mar 19	5.2	Mar 21	5.3	Mar 23	HW 5.2-5.3
Mar 26	6.1	Mar 28	6.2	Mar 30	HW 6.1-6.2
Apr 2	6.3	Apr 4	6.4	Apr 6	HW 6.3-6.4
Apr 9	Review				

Apr 9, Exam 3, 5:00pm - 7:00pm

Apr 9	Review	Apr 11	7.1	Apr 13	HW 7.1
Apr 16	7.2	Apr 18	7.3	Apr 20	HW 7.2-7.3
Apr 23	7.5	Apr 25	Review	Apr 27	HW 7.4-7.5

May 2, Final Exam, 8:30pm - 10:30pm

Instructors:

Office Hours	Instructor	Email
Thursday 9am	Scott Brewer	⟨thomas.brewer@uky.edu⟩
Thursday 1pm	Ashley Harrison	⟨ashley.harrison0525@uky.edu⟩
Thursday 3pm	Zach Little	⟨zachary.little@uky.edu⟩
Tuesday 1pm	John Maki	⟨john.maki@uky.edu⟩
MWF 2pm	Jack Schmidt	⟨jack.schmidt@uky.edu⟩
Thursday 12pm	Hao Wang	⟨hwa2252@uky.edu⟩
Tuesday 11am	Robert Wolf	⟨robert.wolf@uky.edu⟩
Thursday 12pm	Yaowei Zhang	⟨yaowei.zhang@uky.edu⟩