

FINITE MATHEMATICS AND ITS APPLICATIONS

MA162 SYLLABUS

Sections 401-402

Spring 2010

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Schedule: MA162 sections 401 and 402 meet every week, Tuesday and Thursday evening. Section 401 meets from 6:00pm to 7:15pm in CB243, and section 402 meets from 7:30pm to 8:45pm in CB341.

Dr. Schmidt holds office hours in the [Mathskeller](#) (CB63) Tuesdays and Thursdays, 2:30pm-4:00pm, Dr. Brown holds office hours Wednesdays at 10:00am, Dr. Sathaye Mondays, Wednesdays, and Fridays at 10:00am, and six other MA162 TAs have hours there as well (11am-1pm W; 11-12am and 4-5pm F). Other meeting times are available by appointment.

There are three evening exams at 5:00pm-7:00pm. They occur on Feb. 8, Mar. 8, and April 12, 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 Thursday May 6, 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 by daily quiz. 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.

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

| Homework due | | Tuesday topic | | Thursday topic | |
|-------------------------------------------|-------|---------------|----------|----------------|----------|
| Jan 20 | HW A0 | Jan 19 | 1.3 | Jan 14 | 1.1, 1.2 |
| Jan 25 | HW A1 | Jan 26 | 2.1 | Jan 21 | 1.4 |
| Feb 1 | HW A2 | Feb 2 | 2.3 | Jan 28 | 2.2 |
| Feb 7 | HW A3 | Feb 9 | 2.4 | Feb 4 | Review |
| Feb 8, Exam 1, 5:00pm - 7:00pm | | | | | |
| Feb 7 | HW A3 | Feb 9 | 2.4 | Feb 11 | 2.5, 2.6 |
| | | Feb 16 | 2.6, 3.1 | Feb 18 | 3.2 |
| Feb 22 | HW B1 | Feb 23 | 3.3 | Feb 24 | 4.1 |
| Mar 1 | HW B2 | Mar 2 | 4.2 | Mar 4 | Review |
| Mar 7 | HW B3 | Mar 9 | 5.1 | Mar 11 | 5.2 |
| Mar 8, Exam 2, 5:00pm - 7:00pm | | | | | |
| Mar 7 | HW B3 | Mar 9 | 5.1 | Mar 11 | 5.2 |
| Spring break | | | | | |
| | | Mar 23 | 5.3 | Mar 25 | 6.1 |
| Mar 29 | HW C1 | Mar 30 | 6.2 | Apr 1 | 6.3 |
| Apr 5 | HW C2 | Apr 6 | 6.4 | Apr 8 | Review |
| Apr 11 | HW C3 | Apr 13 | 7.1 | Apr 15 | 7.2 |
| Apr 12, Exam 3, 5:00pm - 7:00pm | | | | | |
| | | Apr 13 | 7.1 | Apr 15 | 7.2 |
| Apr 19 | HW D1 | Apr 20 | 7.3 | Apr 22 | 7.4 |
| Apr 26 | HW D2 | Apr 27 | 7.5 | Apr 29 | Review |
| Apr 30 | HW D3 | | | | |
| May 6, Final Exam, 6:00pm - 8:00pm | | | | | |