

# FINITE MATHEMATICS AND ITS APPLICATIONS

## MA162 SYLLABUS

Section 020  
Summer 2010

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**Schedule:** MA162 section 020 meets every day 11:30-12:30. Dr. Schmidt holds office hours in POT963 every day from 10:30-11:00. Exams are given in class. There is an exam nearly every week.

**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 June 21st 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. 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](http://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:** Exams make up 84% of your grade, homework makes up 8%, and attendance makes up 8%. There are seven exams including the final exam, each worth 12% of your 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 quizzes. Homework is handled through the [Mathclass website](#). Late homework is not accepted. You may need the Firefox browser to use the online homework. Wrong homework answers do not count against you; you are encouraged to try the homework early and often.

**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:

	Mon	Tue	Wed	Thu	Fri	
				1.1	1.2	Jun 11
Jun 14	1.3	1.4	Review	Exam	2.1	Jun 18
Jun 21	2.2	2.3	2.4	Review	Exam	Jun 25
Jun 28	3.1	3.2	3.3	Review	Exam	Jul 02
Jul 05		2.5	4.1	4.2	Review	Jul 09
Jul 12	Exam	5.1	5.2	5.3	Review	Jul 16
Jul 19	Exam	6.1	6.2	6.3	6.4	Jul 23
Jul 26	Review	Exam	7.1	7.2	7.3	Jul 30
Aug 02	7.4	7.5	Review	Final		