

Ma 162 General course outline.

Refer to course Syllabi for details concerning your own instructors' policy.

Visit the course web page for current information, by [clicking here](#).

Textbook: S.T. Tan, Applied Finite Mathematics, Seventh Edition

Goals: This course will cover five topics that have very wide applicability: linear equations and models, linear optimization, basic theory of interest, counting principles, and probability. Your goal for the course should be to learn each of these topics well enough so that you can confidently apply them to solve problems that are similar, but not identical to the ones we cover in class. **You will be expected to learn the material well enough so that you are able to apply the methods in a setting that we have not covered in class.**

It is essentially impossible to teach mathematics, it must be learned. To understand what is meant by this, consider the impossibility of learning to play tennis by listening to someone describe how to play tennis. You will not learn the material in this course by listening to the lectures, and thinking to yourself - "Yes, I understand that". You must work the problems and make mistakes before you will begin to learn. The teachers are simply assistants to help you learn as much of the material as you can.

Outline of Content: The basic content to be covered is outlined below.
A detailed outline with dates and text sections can be found in the web pages.

Linear Equation and Models, Chapters 1 and 2
Linear Optimization and Applications, Chapters 3, 4
Mathematics of Finance, Chapter 5
Basic Counting Principles, Chapter 6
Probability, Chapter 7

Prerequisites: You should have a strong understanding of college algebra.

Homework (WHS): You should enroll in our web based homework system and systematically work out and submit the problems on line. It is recommended that you print and work out the answers by hand and then submit. You can have multiple attempts and a generous credit if you do a majority of problems. Most WHS assignments will be due by midnight Monday and each homework assignment will be worth a maximum of 10 points. These are awarded as follows:

30% -40% = 1 point, 40%-60%=3 points, 60%-75%=5 points, 75%-85%=7 points and 85% or more equals 10 points.

A WHS problem is graded as correct if you manage to submit a correct answer at least once to it before the due date.

Do not ask for late credit, none can be given!

Total homework grade will contribute 10% of your final grade.

To learn about how to use WHS, click here!

Quizzes and recitation: Your recitation instructor will assign 10% of your final grade based on your quiz grade and participation in the recitations. The policy for the points will be announced by your Recitation Instructor.

Exams: There will be three one hour exams (20% each) and one final (20%). The timings for these exams is already fixed and you should make sure that you don't have any conflicts with them. In case you have a valid excuse, you must contact your Professor in writing at least two weeks in advance to make alternate arrangements for a makeup. For emergency excuses, standard university policy will be enforced.

Please note that all exams are uniformly administered and graded.

Note the times below.

Grading: The grading scale is

A 90-100

B 80-89

C 70-79

D 60-69

E below 60.

You should be able to compute your letter grade at any point during the course of the semester by using your current grades and the above scale.

Tutoring: Tutoring help is available in the Mathskeller (Basement of Classroom Building - corner closest to Euclid and Rose).

Check the web site <http://www.mathskeller.com>

Latest News!

Sections and Links (if available) for various instructors

<u>Sec. 1-6</u> Thomas Chapman MW 9:00-9:50 (BS116)	<u>Sec. 7-12 Ron Gariepy</u> MW 11:00-11:50 (BS116)	<u>Sec. 13-18</u> Andy Martin MW 12:00-12:50 (CB118)
<u>Sec. 401</u> Stokes MW 6:00-7:15 (CB345)	<u>Sec. 402</u> Stokes MW 7:30-8:45 (CB345)	
<u>Sec. 403</u> Vanderpool TR 6:00-7:15 (CB349)	<u>Sec. 404</u> Ripley TR 7:30-8:45 (CB349)	

How to log in and use WHS

Ma 162 Web Site Spring 2005

Instructor Syllabi

WHS Access

General Course outline: [Click here to reach it.](#)

(Some of the details might be changed by your instructor, so please check handouts or above syllabi carefully!)

Course plan: In addition to the 12 homeworks listed below, there will be exam reviews which will include the sections marked in red. The lowest homework grade in each exam period will be dropped.

WHS	Date	Sec.	Date	Sec.
			1/12	1.1-2
			1/19	1.3-4
1/24 1.1-2	1/24	2.1	1/26	2.2
1/31 1.3-4	1/31	2.3	2/2	2.4
2/6 2.3-5 + review	2/7 Exam 1		2/9	2.6
Exam 1 on February 7 from 5 to 7 PM				
	2/14	3.1	2/16	3.2
2/21 2.6,3.1	2/21	3.3	2/23	4.1
2/28 3.2-3	2/28	4.2	3/2	
3/6 4.1-2 + review	3/7 Exam 2		3/9	5.1
Exam 2 on March 7 from 5 to 7 PM				
Spring Break				
	3/21	5.2	3/23	5.3
3/27 5.1-2	3/28	6.1	3/30	6.2
4/3 5.3,6.1	4/4	6.3	4/6	7.1
4/10 6.2-3 + review	4/11 Exam 3		4/13	7.2
Exam 3 on April 11 from 5 to 7 PM				

4/17 7.1	4/18	7.3	4/20	7.4
4/24 7.2-3	4/25	7.5	4/27	
5/1 7.4-5 +review		Final Exam on May 4 at 8:30-10:30 PM		

Exam Rooms' assignments TBA

Instructor	TA	Sec.	Final