

Math 141 - Summer II 2012

Texas A&M University

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Office: BLOC 640A until July 6, BLOC 638 after July 6
Office hours: MTWR 11:15am-11:45am
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and by appointment

Class Time and Location:	Section	CRN	Days	Time	Location
	203	10341	MTWRF	12pm-1:35pm	BLOC 169

Catalog Title and Description: (CREDIT 3.0) *Business Mathematics I*. Linear equations and applications, systems of linear equations, matrix algebra and applications, linear programming (graphical method), probability and applications, statistics. Prerequisites: High school algebra I and II and geometry. **Credit will not be given for more than one of MATH 141 and 166.** Note: A tentative schedule for this course may be found on my web page.

Learning Objectives:

- Formulate linear models for business applications.
- Understand matrices and their applications, including solving systems of linear equations.
- Construct linear programming problems for various applications and solve using graphical techniques.
- Understand and apply the rules of sets and Venn diagrams.
- Understand the principles of probability and counting and apply these concepts to a variety of problems.
- Identify types of random variables and calculate probabilities and statistics for random variables.
- Apply the concepts of finance to real-world situations.

Required Materials:

- **Textbook:** *Finite Mathematics for the Managerial, Life, and Social Sciences*, 10th Ed., by Tan. **Access to an online copy of this text has been included in your course fees.** If you prefer to have a paper copy of the text, you may purchase the loose-leaf edition at the book store, but this is optional.
- **Calculator:** A TI-83, TI-84 (Regular, Plus, or Silver Edition), or the TI-Nspire (non-CAS version) calculator is **REQUIRED**, and you must bring your calculator to class each day. You will not be allowed to use any type of calculator (including calculator applications on your cell phone or computer) other than those listed above. **Sharing calculators during quizzes and exams is strictly forbidden and is considered an act of scholastic dishonesty.** Before each exam, you will be required to clear and reset your calculator's memory.
- **Texas A&M Student ID:** You must bring your student ID to all exams, including the final exam.

Email Policy: Check your TAMU email account EVERY day. You are responsible for any information I send via email. Also, because of privacy rights, I cannot discuss grades via email or over the phone.

Cell Phone/Laptop Computer Policy: As a courtesy to me and your classmates, all cell phones and laptop computers (and other electronic devices) must be OFF and put away during every class period.

Grading Policy: Grades will be calculated according to the following percentages:

Average of 3 Exams	54%	A = 90-100%
Online Homework	10%	B = 80-89%
Quizzes	13%	C = 70-79%
Comprehensive Final Exam	23%	D = 60-69%
		F = below 60%

Note: Any questions regarding grading/scoring must be made **within two days** of the return of the exam or quiz or no change in the grade will be made.

Make-up Policy: No make-ups will be given without written evidence of an official University excused absence. (See *University Student Rules*.) According to Section 7.3 of the *University Student Rules*, for an absence to be considered excused,

the student must notify his or her instructor in writing (acknowledged e-mail message is acceptable) prior to the date of absence if such notification is feasible. In cases where advance notification is not feasible (e.g. accident or emergency) the student must provide notification by the end of the second working day after the absence. This notification should include an explanation of why notice could not be sent prior to the class.

If no such notice is given, the rights to a make-up are forfeited. In addition (and also in accordance with *University Student Rules*), a **written** excuse must be presented upon return to class. Specifically, in the case of illness or injury, students are required to obtain a confirmation note from a health care professional affirming date and time of a medical office visit regarding the illness or injury. *I will NOT accept the Explanatory Statement for Absence from Class form as sufficient written documentation of an excused absence.*

Exams: There will be three in-class exams and a comprehensive final, tentatively scheduled as shown below. I will NOT curve test grades.

<u>Tentative Exam Schedule</u>	<u>Final Exam</u>
Exam 1 : Thursday, July 12	Tuesday, August 7, 1pm-3pm
Exam 2 : Monday, July 23	
Exam 3 : Wednesday, August 1	

Quizzes: Announced and unannounced in-class and take-home quizzes will be given almost every day of class. Each quiz will be graded on a 10-point scale, and **no make-up quizzes will be given without written verification of a University excused absence.** Some quizzes will be done during lecture in exam format, i.e., no notes and no books allowed, while other quizzes will be given as take-home assignments. Your lowest quiz grade will be dropped before computing your final quiz average.

Homework:

- **Graded Homework:** All graded homework assignments will be completed online at <https://www.webassign.net/tamu/login.html>. I highly recommend that you visit the Math Department's Online Homework Help page at www.math.tamu.edu/courses/eHomework/ before you first log on AND each time you have a question about the online homework. **Access to WebAssign is included in your course fees—you do not have to purchase an access code separately.**
- **Suggested Homework:** Mathematics cannot be learned and fully understood by simply watching someone else do it. It must be practiced by working many, many problems. This is especially true during a summer semester, when the course material is being presented at three times the rate of a

full semester. A list of homework problems from your Tan textbook can be found on my webpage. These problems will not be collected for a grade, but completing them is essential to doing well in the course.

Attendance: Attendance is required in this class. All students are expected to arrive on time and be ready to actively participate in lecture every day. I STRONGLY suggest that you make every attempt to not miss a single day of lecture. Falling behind in this course can be very detrimental to your grade. Attendance will be used in conjunction with your final exam grade as a consideration in the case of borderline grades.

Scholastic Dishonesty: You are encouraged to work together on the suggested homework problems, but do not copy another student's work. Copying work done by others, either in class or out of class, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. Storing formulas or unauthorized programs in your calculator is also an act of scholastic dishonesty and will not be tolerated. Using or having an unapproved program or any formulas stored in your calculator during an exam will result in a zero on the exam. Also, sharing calculators during a quiz or exam will result in a grade of zero for all parties involved. Always abide by the Aggie Code of Honor: *An Aggie does not lie, cheat, or steal or tolerate those who do.* Please refer to Honor Council Rules and Procedures at <http://www.tamu.edu/aggiehonor> for more information on academic integrity and scholastic dishonesty.

Extra Help and Preparing for Exams:

- **Your Instructor:** I want each and every one of my students to be successful in this class. Please feel free to ask questions in class. If you need more help, come by my office during office hours or make an appointment to see me. Remember, I am here to help, but I cannot do that if I don't know that there is a problem.
- **Your Classmates:** Get to know your classmates. Form study groups and work on suggested problems outside of class.
- **Week-in-Review Problem Sets:** Although the Math Department will not be hosting live Week-in-Review sessions during the summer, problem sets and solutions from previous semesters can be found on my webpage. Many of these problems come from previous exams, so I highly recommend working them as a way to prepare for quizzes and exams.
- **Practice:** In addition to working problems from old Week-in-Reviews, I strongly recommend that you practice problems **DAILY** from the suggested homework list mentioned above.
- **Help Sessions:** Help sessions are an opportunity for you to ask questions and get help with your homework. The schedule for summer help sessions can be found on my webpage. These sessions are come-and-go, i.e., you can come at any point during the help session and leave whenever you want.
- **Calculator Help:** Step-by-step written keystroke directions are available on my webpage for all the calculator functions in the course.

ADA Policy Statement: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit <http://disability.tamu.edu>.

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