

TEXAS A&M UNIVERSITY MATH 141 Business Math I Sections 522/523

Instructor: Dr. Sherry Scarborough

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Emails: In all correspondence, please include your *name*, your *course number*, and your *section number* in the subject line. Please regularly check your TAMU email, as I often send the class emails.

Web Site: <http://www.math.tamu.edu/~Sherry.Scarborough/>

Office Hours on Class Days: Tuesdays 1:30–3:30pm, Thursdays 1:30–3:30pm

Special Office Hours before Finals: TBA

Textbook: *Finite Mathematics for the Managerial, Life, and Social Sciences*, 9th Edition by Tan, 2009, ISBN 0495387533

Calculator: A TI-83/84 or TI-83/84 Plus graphing calculator is required. Calculators *must* be reset before and after exams. No sharing of calculators on exams or quizzes. It is scholastic dishonesty to have notes, formulas, applications, or programs in your calculators other than the ones I allow.

Course Description: Math 141 Business Mathematics I – Linear equations and applications, linear forms and systems of linear equations, matrix algebra and applications, linear programming, 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.

Class Times for Section 522: MWF 9:10 – 10am ZACH 104D

Class Times for Section 523: MWF 10:20 – 11:10am ZACH 104D

Tentative Exam Schedule

Exam I February 11, Exam II March 11, Exam III April 15

Comprehensive Final Exam Schedule

Section 522: Monday May 11 from 8 – 10am ZACH 104D

Section 523: Tuesday May 12 from 8 – 10am ZACH 104D

Grading: Due to confidentiality, grades will not be discussed via phone or email, only in person. Grade cutoffs: A is 90 – 100%, B is 80 – 89%, C is 70 – 79%, D is 60 – 69%, F is 0 to 59%. The grade weights are:

- 5% class activities
- 5% video lectures
- 10% quizzes
- 10% online homework
- 45% average of 3 regular exams (15% each)
- 25% comprehensive final exam

Grade Disputes: Once you leave class with any graded paper you accept its grade, unless there is a totaling error. All grade disputes must be dealt with at the time you receive them. If the grade was not totaled correctly, you have one week from when the paper was first returned to the class to get the correction made.

Supplies: For all class days, you will need to bring your notes, your TAMU student ID, your TI 83/84 graphing calculator, a #2 pencil and an eraser.

Quizzes: Quizzes will be given in lecture, usually once a week and sometimes twice, and may or may not be announced ahead of time. At the *end* of the semester, two of your lowest quiz grades will be dropped.

Suggested Text Homework: Suggested homework from the text can be found at <http://www.math.tamu.edu/~scarboro/141fall2008texthomework.pdf> or from a link on my Math 141 web page. It is critical to do the suggested homework before the next class and before your graded online homework. You will not turn in the *text* homework.

Alternative Class Format: This course will be taught using a method that involves interactive online videos. Instead of listening to a lecture during class time, you are expected to watch lecture videos to supplement and prepare for class activities.

The course content is delivered through the combination of graded lecture videos and class activities. A graded video due before a class period may cover prerequisite information relevant to the class activity or information that we will not discuss in class at all. The content of the ungraded videos overlaps directly with the material you will learn via the class activities. You are responsible for all course content, regardless of the format in which it is presented and regardless of whether or not it is directly discussed in class.

In class, you will work in groups to complete assignments. Your group will turn in an answer sheet at the end of every class period. If you ever feel that the class activity did not cement the concepts for you, there is an ungraded video that covers the same information. I strongly recommend that you watch all videos!

To balance your extra workload outside of class, we will meet twice per week for 50 minutes instead of the regularly scheduled three times a week. If class is cancelled for any reason (ex: due to weather) on a Monday or a Wednesday, then we will meet on Friday for that same week.

Video Lectures: Before each class you will need to watch one or more videos online in WebAssign, <http://www.math.tamu.edu/ehmwk/WebAssignAtTamu.html>. The graded videos have embedded questions that will count as a grade. The ungraded videos are each worth one *bonus* point.

- Treat the videos lectures like a live lecture. Take notes as a study reference for later just as you would in a traditional lecture class. Write down any questions you have and ask me those questions via email or the next time you see me (before or after class, or during office hours).
- The videos are based on PowerPoint lectures from a traditional class. Pdfs of the PowerPoint presentations are available with each video assignment (and also online here: <http://mpeg.math.tamu.edu/math1324>). I suggest you print the slides and fill them in as you watch the videos.
- Bring your notes with you to class. You will often find them useful for the activities.

Class Activities - Group Work

You will work in groups to complete the class activities. Groups of three will be randomly assigned on the second day of class and will stay together for the entire semester. Your group will need to choose a name for it that would not be embarrassing if I said it aloud in class.

If your group experiences difficulties, you may choose to eject a member. The first step is an official warning via a *Letter of Intent to Disassociate*. If the troubles persist, you may officially eject the person with the *Letter of Disassociation*. These forms will be available online and require my signature.

A person who has been ejected will receive a 0 on the most recent group assignment and work as a group of one for at least one week. After that, if he or she chooses, the individual may join a different preexisting group of two, contingent upon the success of a one week trial period.

Late Work

I expect you to turn in the class activity answer sheet at the end of each class period unless I explicitly state that I will accept the assignment late. If you do not finish, your group work may be subject to a late penalty or a 0 on the assignment. This means that your group needs to work quickly and efficiently! If you feel you must turn in an assignment late, you must discuss the issue with me.

WebAssign: All lecture videos and online homework will be based in the online system WebAssign.

- Everything you will need to know about creating an account and logging in is available here: <http://www.math.tamu.edu/ehmwk/WebAssignAtTamu.html>. Please visit this site for help, announcements, and more information. I suggest you bookmark this page and visit it before you log in to WebAssign each time.
- A WebAssign account costs \$35. You will need to purchase an account code directly from WebAssign online. You will have a 15-day grace period before you must enter a code, starting from the first day of class. After that, you risk being locked out of the system and missing important assignments.
- At the *end* of the semester, two of your lowest online homework grades will be dropped.

Late Policy: The online homework system automatically penalizes late submissions. No late work will be accepted for written activities or assignments, except for the note card assignment. Your note card assignment is due in class on Monday, February 2nd, however I will accept it late anytime in the month of February with a 40% late penalty. Information about the note card assignment is found at the following web site:

<http://www.math.tamu.edu/~scarboro/141spring2009welcome.pdf>

Make-Up Policy: No make-up examinations or assignments will be given without a university approved excused absence (See the [Texas A&M University Student Rules](#)). An absence for a non-acute medical service or regular check-up does not constitute an excused absence. To be excused you must notify me (acknowledged email or written) prior to date of absence if such notification is feasible. Consistent with Texas A&M Student Rules, students are required to notify their instructor by the end of the second school day after missing an examination or assignment. For injury or illness too severe or contagious to attend class, you must provide confirmation of a visit to a health care professional affirming date and time of visit. The Texas A&M University Explanatory Statement for Absence from Class Form will NOT be accepted. *It is the student's responsibility to schedule a makeup!* Attendance is required in this course.

Policies: Policies pertaining to absences, scholastic dishonesty and final examinations are identical to TAMU regulations. Students with an official excused absence are permitted to make up work only for the dates of the absence. All other assigned work, even that assigned on the excused date, is due as assigned.

Plagiarism: All printed handouts and web materials are protected by U.S. Copyright Laws. Handouts are all materials generated for this course, which include but are not limited to syllabi, assignments, quizzes, examinations, in-class materials, activities, and anything downloaded from a web page. Because these materials are copyrighted, **you do not have the right to copy the handouts**, unless I expressly grant permission. As commonly defined, plagiarism consists of passing off as one's own the ideas, words, writings, etc., which belong to another. In accordance

with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated.

Academic Integrity Statement: Aggie Honor Code: “An Aggie does not lie, cheat, or steal or tolerate those who do.” Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System. For additional information please visit <http://www.tamu.edu/aggiehonor/>

Students may work together on their *text* homework, unless otherwise directed. Examinations and quizzes are to be taken individually.

Disabilities: 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> .

Personal Requests: You are always welcome to come to my office hours; you do not need an appointment. I encourage you to come, ask questions, as often as you would like. Students who come to office hours can get personal attention and help. If you smoke, please ‘air out’ some before visiting. As a courtesy to all, please turn your cell phones and pagers off during all classes and office hours. Thanks!

Please Note: While it is critical that you attain the correct answer to a question, you must show correctly, precisely, and accurately its solution (all the steps, labels, explanations, equal signs, models, etc.) in an orderly, clear, concise manner. Where appropriate circle your final answer. You are responsible for your own learning.

Emergencies: On-campus phones: 9-911

Off-campus and cell phones: 911

Help:

- Bookmark my web page so you will know where to find all important information <http://www.math.tamu.edu/~Sherry.Scarborough/>
- *WebAssign Resources* - Watch all the videos in WebAssign, not just the graded ones. Take notes on the videos just as if they were live lectures by using the blank PowerPoint slides as a guide. There are also numerous tutorial and videos of solutions to extra problem that are great as a supplement or for review. Tutorials and extra problems are grouped by exam and topic so it should be straightforward to pinpoint the video that will address your issue.
- Read the class notes and skim the book before class
- Attend all classes and ask questions
- Bring your class notes, calculator, TAMU student ID, #2 pencil, and eraser to every class
- **Week-In-Reviews (WIR):** Weekly reviews will be given by Math 141 instructor Kathryn Bollinger. These include an exam review on the week of your exam. WIR starts the second week of school.
- **Help Sessions:** Help Sessions are a place to see homework-type problems worked and a place to get homework help. Help Sessions start about the second week of school.
- **Streaming Videos:** Our streaming videos allow you to watch and listen to math problems being solved and can be found at <http://tamumathdept.blogspot.com/2007/01/streaming-video-resources.html>
- Do all your homework, suggested text homework and graded online homework
- Do the week-in-review problems every week (preferably before seeing and hearing the solutions)
- Watch the Math 141 Streaming Videos at <http://tamumathdept.blogspot.com/2007/01/streaming-video-resources.html>
- Attend my office hours
- Ask me for help with homework problems during office hours
- Keep up with the course
- Form study groups and get together regularly
- Get a personal tutor (a list is available outside Blocker 601)
- Contact the Learning Skills Center (845-4427)
- Contact tutoring@aggieculture.tamu.edu
- Contact Services for Students with Disabilities, if needed, at 845-1637

Tentative Schedule: All changes will be announced in class.		
Week 1	Jan. 21, 23	Introduction, Sections 1.1-1.4
Week 2	Jan. 26, 28	Sections 1.5, 2.1-2.3
Week 3	Feb. 2, 4	Sections 2.4-2.7
Week 4	Feb. 9, 11	Review Exam 1 (Chapters 1 & 2)
Week 5	Feb. 16, 18	Sections 3.1-3.3
Week 6	Feb. 23, 25	Sections 6.1-6.4
Week 7	Mar. 2, 4	Sections 7.1-7.3
Week 8	Mar. 9, 11	Review Exam 2 (Chapters 3.1-3.3, 6, & 7.1-7.3)
	March 16 - 20	Spring Break! No classes!
Week 9	Mar. 23, 25	Sections 7.4-7.6, 8.1
Week 10	Mar. 30, Apr. 1	Sections 8.2-8.3
Week 11	Apr. 6, 8	Sections 8.4-8.6
Week 12	Apr. 13, 15	Review Exam 3 (Chapters 7.4-7.6 & 8)
Week 13	Apr. 20, 22	Sections 5.1-5.3
Week 14	Apr. 27, 29	Sections 9.1-9.2
Week 15	May 4	Review
Finals		Final Exam (Cumulative)

Again, if class is cancelled for any reason (ex: due to weather) on a Monday or a Wednesday, then we will meet on Friday for that same week.