

MAT 1033.009 SYLLABUS - Fall 2010
Algebra with Calculus for Business

INSTRUCTOR:

TELEPHONE: **OFFICE HOURS:**
EMAIL:

CATALOG DESCRIPTION: This course is an introduction to business calculus with an emphasis on functions. It will include topics from the following areas, concentrating on business and economic applications: algebraic manipulations of expressions and functions including exponential and logarithmic; finding roots of equations; graphical analysis; matrices and matrix applications; and elementary topics from differential and integral calculus.

COURSE PREREQUISITE: MAT 0213, Interm. Algebra, with at least a grade of "C", or equivalent placement exam score.

COURSE OBJECTIVES (Texas Higher Education Coordinating Board):

- To apply arithmetic, algebraic, geometric, higher-order thinking, and statistical methods to modeling and solving real-world situations and to recognize the limitations of these models.
- To represent, evaluate, and interpret basic mathematical information through formulas, graphs, tables, and schematics, and to draw inferences from them.
- To use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results.

REQUIRED TEXT: **MyMathLab Student Access Code** and ***Mathematics with Applications***, 9th Edition, by Lial and Hungerford. The optional solution manual for this book is very helpful to most students.

REQUIRED SUPPLIES: Use **pencil** for all course work. This is a calculator intensive course that requires at least a scientific calculator, such as a TI-30X IIB or similar. Graphing calculators, such as a TI-83+, are optional. Calculators with Computer Algebra System (CAS), such as a TI-89 or Casio CFX-9970G, as well as cell phone calculators, are prohibited. Graph paper, four or five squares to the inch, and a ruler will be needed for graphing assignments.

ATTENDANCE: Students are expected to be punctual and attend all classes. Students will initial the attendance roll at the beginning of each class period. **Late students are ultimately responsible for signing in after class.** When absent, students are responsible for getting class notes from a fellow student, learning all material missed, and doing the corresponding homework assignments before the due date.

GRADING PROCEDURES AND POLICIES: Semester averages will be determined as follows:

<u>Activity</u>	<u>Percent of Grade</u>
Homework	10%
Quizzes	10%
Tests	50%
Final Exam	<u>30%</u> 100%

The traditional conversion from percent to letter grades will be used:

A = 90-100% B = 80-89% C = 70-79% D = 60-69% F = below 60%

- **Homework & Quizzes:** Homework will be assigned for each book section covered in class. Its **timely** completion is **vital** to student success. The homework for this class will be done using **MyMathLab at the publisher's website**. The due date for each assignment will be the end of the day of the following class period after it is assigned. Also, there will be six short quizzes during the semester in **MML**. The quizzes will have a time limit and be accessible only once during a two day period. The questions will be similar to those in the homework. There will be **no extensions on the due dates.** However, the lowest quiz grade will be dropped at the end of the course.
- **Tests:** There will be three paper/pencil tests given in class during the semester. Exams are closed book, notes, etc. There will be **no makeup exams.** However, the lowest test score will be dropped at the end of the semester. Bring a Scantron Form No. 882-E and photo ID to take each test.

- **Final Exam:** The Final Exam is comprehensive. It is scheduled for You will need a Scantron No. 882-E and photo ID to take the final exam.

ACADEMIC DISHONESTY: Students are expected to do their own work. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including failure in the course and dismissal from the University.

SPECIAL ACCOMODATIONS: Support services are available to students who qualified under the ADA. Contact the Office of Disabled Students in M.S. 2.03.18 or at 458-4157.

CLASSROOM EXPECTATIONS: Students are expected to:

1. Attend each class, arrive on time, take notes, and participate in class.
2. Do the assigned homework in a timely manner to keep up with the pace of the class.
3. Ask questions and seek additional help outside of class when needed.
4. Conduct themselves as responsible adults, and treat all classmates and the instructor with respect and courtesy. Students unable to do so will be referred to the University for disciplinary action.
5. No drinking (except water) or eating in the classroom (University policy).
6. **Turn off and put away all electronic devices (i.e. cell phones, iPods, computers, etc.) during class. Their use in class is absolutely prohibited including to check for messages.**

TENTATIVE SCHEDULE:

(The Instructor may revise the schedule during the semester as needed)

Week of	Monday	Wednesday	Friday
	Orientation, 1.1 Review	1.2 -1.4 Review	1.5, 1.6
		Q-Zero (Syllabus), 1.6, 1.7	2.1, 2.2
	Q1 (Chapter 1), 2.3, 2.4	3.1, 3.2	3.2, 3.3
	Q2, (2.1-3.1) 3.3, 3.4	3.4, 3.5	Test 1 Review
	Test 1 (Ch. 1 -3)	4.1	4.2
	4.3	4.4	6.1
	Q3 (4.1-4.4), 6.2	6.3, 6.4	7.1
	7.2	Q4 (Ch.6 & 7.1), 11.1	11.1
	11.3	Test 2 Review	Test 2 (4.1 – 11.3)
	11.4	11.5	11.6
	11.7	Q5 (11.4-11.7), 11.8	12.1
	12.2	12.3	13.1
	13.3	Q6 (11.8 – 13.1), 13.4	13.4
	13.5	Test 3 Review	Test 3 (11.4 – 13.5)
	Final Review	Final Review	Study Day, No Class

Consult the University [Fall Registration Calendar](#) for **census and withdrawal deadlines**.

TUTORING: Math tutoring is available in the Math Lab (SB 2.01.02), the Q-Lab (MS 2.02.54), and the MAP tutor sessions in addition to visiting the instructor during office hours. Study groups and peer tutoring are highly recommended.



Welcome MAT 1033.009 Students!

MyMathLab is an interactive website where you can:

- Self-test & work through practice exercises with step-by-step help to improve your math skills.
- Study more efficiently with a personalized study plan and exercises that match your book.
- Get help when YOU need it. MyMathLab includes multimedia learning aids, videos, animations, and live tutorial help.

Before You Begin:

To register for MyMathLab you will need:

- A MyMathLab student access code** (packaged with your new text, standalone at your bookstore, or available for purchase with a major credit card at www.coursecompass.com)
- Your instructors' Course ID number:**
- Your school's zip code: 78249**
- A valid email address (the one you use most!)**

Student Registration:

- Go to <http://www.coursecompass.com> and click the **Register** button under Students.
- Review the **Before You Start** information to ensure you have everything you need to register; click **Next**.
- On the Course ID page:
 - Enter the Course ID and click on Find Course
 - Choose your enrollment method
 - If your student access code came packaged with your textbook, select Access Code. (Select "Buy Now" to purchase online access using your credit card)
 - Enter your student access code as displayed; use the tab key to move from box to box and use all **CAPITAL LETTERS** when entering the access code. Click Next.
- Please read all information in the License Agreement and Privacy Policy. Click on Accept if you agree to the terms.
- On the Access Information screen:
 - **If you have registered for other Pearson online products** and already have a login name and password, **select Yes**. Boxes will appear for you to enter your login information.
 - **If this is the first time you have registered for a Pearson online product, select No**. Boxes will appear for you to enter your desired login name and password. You may want to use your email address as your login name. If you do not use your email address, be prepared with a second login name choice if the one you first selected is already in use. Your login name must be at least 4 characters and cannot be the same as your password.
 - **If you aren't sure whether you have a Pearson account or not, select Not Sure**. Enter your email address and click Search. If you have an account, your login information will be sent to your email address within a few moments. Change your selection to Yes, and enter your login name and password.
- On the Account Information page, **enter your first and last name (use your official UTSA name)** and email address. Re-type your email address to make sure it is correct.
- In the School Location section, select United States from the School Country drop-down menu. Enter your **school zip code**, and then select your school from the drop-down list.
- Select a security question and answer to ensure the privacy of your account. Click Next.
- When your registration process is complete you will see a confirmation screen. Click Log In Now to reach CourseCompass, and click Log In. Enter your login name and password and click Log In.

Logging In:

- Go to www.coursecompass.com and click on Log In. Enter your login name and password and click Log in.
- On the MyCourseCompass page, click on the course name to enter your instructor's course.
- The first time you enter your course from your own computer and anytime you use a new computer click the **Installation Wizard** on the announcements page or navigational button at the bottom left of the screen. The wizard (or Browser Check) will detect and then help you install the plug-ins and players you need to access the math exercises and multimedia content in your MyMathLab course. Follow the screen instructions to complete this process. **NOTE:** Check with your instructor to ensure all plug-ins are installed in the college computer labs.
- After completing the installation process and closing the wizard you will be on your course home page and ready to begin exploring your MyMathLab course.

Need help?

Contact Product Support at <http://www.mymathlab.com/contactus.htm> for live CHAT, email or phone support at 1-800-677-6337, M-F 8am to 8pm, and Sunday, 5pm to 12am.