



Math 1324- Mathematics for Business Applications I Fall 2012

Section 003 TR 3:30pm - 4:45pm BIN 301

Instructor: Dr. Thomas R. Boucher, PhD

Binnion 310

Email (preferred): thomas.boucher@tamuc.edu

Phone: x5947

Office Hours: MW 9-1, F 9-11, or by appointment

Note: This syllabus details the rules and procedures by which this course is to be conducted. You are responsible for reading this syllabus and knowing the contents – enrollment in this course constitutes an acknowledgement of this responsibility and implied consent to these rules and procedures.

TEXT: Applied Mathematics for the Managerial, Life and Social Sciences 6th Edition by Tan, the text is **REQUIRED.**

eCollege: I will get an eCollege coursesite up and running as soon as I am able. All handouts, grades, etc. will be posted on the site.

ALSO REQUIRED: TI 83 or 84 calculator. The Math department has set up a calculator loan program to support students. Students can borrow a calculator for a semester for a fee (\$10 for TI-83/84). Go to the Math department office in BIN 305 to get a calculator.

COURSE DESCRIPTION: We will cover chapters 2, 3, 4, 5 and parts of chapters 6 and 8. Topics include functions (linear, quadratic, polynomial, rational, exponential and logarithmic), mathematics of finance (simple and compound interest, future and present value of an annuity, etc.), probability and statistics, linear programming, and systems of linear equations and matrices.

CoSEA MISSION STATEMENT: Innovation and Discovery

STUDENT LEARNING OUTCOMES: Upon successful completion of this course a student will:

- 1) Demonstrate knowledge and understand various compound interest formulas.
- 2) Utilize statistical methods to interpret and predict data.
- 3) Use matrices and other methods to solve systems of equations.
- 4) Understand different types of functions and their graphs, including to but not limited to linear, quadratic, exponential and logarithmic.

5) Demonstrate using logarithms to solve problems.

COMPETENCY EXAM: A competency exam will be given during class-time and will cover: **Calculators are not allowed.** This test must be passed with an 80% or better for the grade to be recorded. Scoring below 80% will result in a zero being recorded. You may take a retake of the exam in the testing center (SS 308) as often as 3 times a week with an appointment, but you must receive a score of 80% or better before, or a zero will be recorded in the grade book. The deadline for completion of retakes is **September 28th by 3:00PM.** Note: These skills are necessary to be successful in this course.

TESTS: We will have three 100 point tests plus a comprehensive final. A **TENTATIVE** test schedule is below, but that is subject to change. In general, **NO makeup tests will be given,** although you may replace your lowest exam grade with the final exam grade.

Test 1: Week of 9/17

Test 2: Week of 10/22

Test 3: Week of 11/12

FINAL EXAM: The comprehensive final will be given on Thursday December 13th, 1:15pm-3:15pm.

HOMEWORK: Quizzes will be given in class over the material presented in the homework. NO makeup quizzes will be given. Homework will be assigned in class and is due as indicated. No late homework will be accepted. You are free (encouraged, in fact) to work with others; however, each student must submit his/her own set of solutions. Occasionally, in-class projects will be assigned and will count as a HW grade. I will drop the two lowest grades before computing your average.

PROJECTS: You will have two application projects due, in which you will be asked to demonstrate the skills and concepts learned in class in a practical way. You will be given advance notice as to the due date of these projects. Accuracy and creativity in these projects will be expected.

GRADES: Tests: 50%

Competency Exam: 10%

Homework/Quizzes: 15%

Final: 25%

ATTENDANCE and CONTINUAL ENROLLMENT POLICY: Class attendance is expected and a **MUST** to pass this course, and it is your responsibility to attend punctually and regularly. In addition, Math 1324 is a University Studies math requirement, and as such the university requires each student to remain continually enrolled in a math course until he/she has successfully completed the college-level math requirement. Because of this policy, you are **NOT allowed to drop this course.**

TUTORING AND GETTING HELP:

At least 1 hour of tutoring per week is **RECOMMENDED**. Tutoring can include attending SI sessions, TRIO tutoring, and tutoring in the math skills center (Binnion 328).

There will be an SI tutor for this course. This upper level student attends class with you and holds free weekly study sessions specifically designed for this course. I will announce in class when and where these sessions will be. If you need additional help outside my office hours or outside the times of the SI sessions, the Math Skills Center in Binnion 328 offers free tutoring Monday and Wednesday from 8am – 8pm, Tuesday and Thursday from 8am – 6pm, and Friday from 8am – 3pm.

The Mach III/TRIO Program is available for students who qualify for additional resources, such as private tutoring. In order to qualify, students must meet certain conditions, such as being a first-generation college student. For more information, contact Ronnie Brooks at 903-886-5833 or in the Halladay Student Services building, Room 301.

“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 have a disability requiring an accommodation, please contact: **Office of Student Disability Resources and Services, Room 132, Gee Library, or call 886-5835, email StudentDisabilityServices@tamuc.edu**”

STUDENT CONDUCT: Appropriate classroom behavior is required to attend this class. All cell phones must be put on silent during class. Phones are a distraction for me and the other students in the class. All people will be treated with respect and I will not allow talking that will disrupt my lectures. If disruptions occur during class lectures, you will be asked to leave class and will earn a zero on any applicable grades for that class period. Serial disrupters will be asked to withdraw from my class.

GRADE REPORTING FOR FRESHMEN: Grades for students in freshmen level classes will be reported to the Registrar's Office at the end of the fifth week of class during the fall and spring semesters. The Registrar's Office will report grades to students, Advising Services, Academic Departments (faculty advisors) and mentors. This procedure will allow students to be knowledgeable about their academic progress early in the semester. The university, through Advising Services, faculty advisors and mentors, will take steps to assist students who may be experiencing difficulty to focus on improvement and course completion. Early intervention for freshman students is designed to communicate to students the University's interest in their success and willingness to participate fully to help students accomplish their objectives.

ACADEMIC INTEGRITY:

As stated in the Student Handbook, academic dishonesty in the class will not be tolerated.

Included with other forms of academic dishonesty, if any materials or equipment are found to be available to the student at any time which is considered inappropriate by the instructor, the very fact that the materials are inappropriately available to the student is grounds for an accusation of academic dishonesty. The instructor reserves the right to fail the student for the assignment or the course, as well as report the student to the Academic Dean and the Dean of Students. The above deans have the ability to terminate a student's enrollment in the University. ***The instructor considers this an extremely serious matter.*** Please make sure you are not in a situation that could be viewed negatively. **I have a NO TOLERANCE policy for cheating and if you are caught cheating you will fail this course.** Cheating in this course is defined as the following:

- Giving or receiving answers during an exam or quiz.
- Viewing the exam or quiz answers of nearby classmates.
- Having notes/practice work available during quizzes or tests.
- Possession or access to test items before the test is given.
- Deception in getting an excused absence to obtain the undeserved opportunity to make-up work.
- Use of cell phones or text messaging technology during exams or quizzes. **You may not use the calculator on your cell phones.**
- Improper citations in written works, or using another person's ideas and words as your own without giving proper credit.

Any method, no matter how well rationalized or accepted, which improves a person's grade by any means other than study and skillful performances on exams and/or other assignments.

MATH 1324 TR Schedule Fall 2012:

	Date	Events	Homework – See Suggested List
T	8/28	Syllabus, 1.8 Review	Study for Competency Exam
R	8/30	2.1 & 2.2 (include graphing of lines)	Study for Competency Exam
T	9/4	2.3 & Comp. Exam	
R	9/6	2.4 & 2.5	
T	9/11	2.5 & 2.6	
R	9/13	2.6 & 2.7	

T	9/18	REVIEW/WRAP-UP Material & LASSI	Study for Exam 1
R	9/20	EXAM 1	
T	9/25	3.1 & 3.2	Project 1 Due
R	9/27	3.2 & 3.3	
T	10/2	3.3 & 4.1	
R	10/4	4.1 & 4.2	
T	10/9	4.2 & 4.3	
R	10/11	4.3 & 4.4 (include some sigma notation)	
T	10/16	REVIEW/WRAP-UP Material	Study for Exam 2
R	10/18	EXAM 2	
T	10/23	8.2 & 8.3 (probability notation & tree diagram word problems)	Project 2 Due
R	10/25	8.3 & 8.4	
T	10/30	8.4 & 8.5	
R	11/1	8.5 & 8.6	
T	11/6	Normal Distribution (suppl. Materials)	
R	11/8	REVIEW/WRAP-UP Material	Study for Exam 3
T	11/13	EXAM 3	
R	11/15	5.1 & 5.2	
T	11/20	5.2 & 5.3	
R	11/22	CAMPUS CLOSED FOR THANKSGIVING	
T	11/27	6.1 & 6.2	
R	11/29	6.3 & LASSI	
T	12/4	Review for final	Study for Final
R	12/6	Review for final	Study for Final
	12/10-12/14	FINAL EXAM WEEK	

