

**MATHEMATICS 1315 – Section 004**  
**COLLEGE ALGEBRA FOR ECONOMICS & BUSINESS ANALYSIS**  
**Fall 2013**

**Instructor:** Byungsoo Moon

**Phone:** 817-272-5762

**Lecture time/place:** M, W, F 1:00-1:50 pm/UH 10

**Office hours:** M, W 2:00-3:00 pm or by appointment

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**Textbook:** Tenth Edition of Mathematical Applications for the Management, Life, and Social Sciences by Ronald J. Harshbarger and James J. Reynolds

**Course Prerequisites:** SAT MATH score  $\geq 600$  or ACT MATH score  $\geq 26$  or MAT Algebra score  $\geq 11$  or grade of C or better in MATH 1303 or MATH 1308 required.

**Course Description:** Presents material covered in a traditional algebra course but with emphasis toward business applications. Linear equations, systems of linear equations, systems of linear inequalities, elements of matrix algebra and probability. Credit may be received for only one of MATH 1301, MATH 1302, or MATH 1315. The Math Aptitude Test (MAT) is required to register for this course. See <http://www.uta.edu/math/pages/main/mpt.htm> for test details.

**Learning Outcomes:** The student will gain facility in traditional algebra but with emphasis toward business applications. Linear equations, systems of linear equations, systems of linear inequalities, elements of matrix algebra, and probability are the specific areas that will be covered in the course.

**Grading Scale:** A: 90-100 B: 80-89 C: 70-79 D: 60-69 F: 0-59

**Grade components:**

- Homework: not counted toward final grade but strongly suggested
  1. Use the assignments sheet provided to do problems from the textbook, answers to odd questions are in the back of the book
  2. Do the online homework assignments, online homework have unlimited attempts, provide instant feedback, guided solutions and tutorials (WebAssign this is just for practice and it won't be a graded component.)
- Exam 1–Chapter 0–15%, Friday, Sep. 6, 2013
- Exam 2–Chapter 1–15%, Friday, Sep. 20, 2013
- Exam 3–Chapter 2–15%, Friday, Oct. 4, 2013 – **The lowest exam will be dropped.**
- Exam 4–Chapter 3& 4.1–15%, Friday, Nov. 1, 2013
- Exam 5–Chapter 7–15%, Friday, Nov. 22, 2013
- Final examination–30%, Saturday, Dec. 7, 2013 (Departmental exam-3:30-6:00 pm)
- Quizzes–10%. Each quiz will be given on Friday, around 10 minutes before the end of the class. Calculators TI-30XA or TI-30XIIS can be used for quizzes.

**Make-up Policy:** There is no make-up exam.

**Calculators:** The only calculators allowed for the exam and quiz are TI-30XA and TI-30XIIS.

**Drop Policy:** Any student who drops the course on or before Wednesday, Oct. 30 at 5 PM will receive a W. **Students must consult with their major advisor to drop a course.**

**Student Support Services Available:** The University of Texas at Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. These resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals to resources for any reason, students may contact the Maverick Resource Hotline at 817-272-6107 or visit [www.uta.edu/resources](http://www.uta.edu/resources) for more information.

**Americans with Disabilities Act:** The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation;reference Public Law 93112 - The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens. As a faculty member, I am required by law to provide "**reasonable accommodation**" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with **informing faculty at the beginning of the semester and in providing authorized documentation through designated administrative channels.**

If you require an accommodation based on disability, I would like to meet with you in the privacy of my office, during the first week of the semester, to make sure you are appropriately accommodated.

**Academic Integrity:** At UT Arlington, academic dishonesty is completely unacceptable and will not be tolerated in any form, including (but not limited to) cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts (UT System Regents' Rule 50101, 2.2). Suspected violations of academic integrity standards will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the students suspension or expulsion from the University.

#### **UT Arlington Honor Code**

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence. I promise that I will only submit work that I personally create or contribute to group collaborations, and reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

**Grade Replacement and Grade Exclusion Policies:** These policies are described in detail in the University catalog and can also be founded online at

*[http : //www.uta.edu/catalog/content/general/academic\\_regulations.aspx#10](http://www.uta.edu/catalog/content/general/academic_regulations.aspx#10)*

(scroll about half way down the page).

**Electronic Communication:** UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

**Emergency Exit Procedures:** Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit, which is located [insert a description of the nearest exit/emergency exit]. When exiting the building during an emergency, one

should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals.

**Student Feedback Survey:** At the end of each term, students enrolled in classes categorized as lecture, seminar, or laboratory shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each students feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlingtons effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

**Drop for Non-Payment of Tuition:** If you are dropped from this class for non-payment of tuition, you may secure an Enrollment Loan through the Bursar's Office.

**Important Dates:**

|                   |                          |
|-------------------|--------------------------|
| Aug 22            | First day of class       |
| Sep 2             | Labor Day Holiday        |
| Sep 9             | Census Date              |
| Friday, Sep 6     | Exam 1                   |
| Friday, Sep 20    | Exam 2                   |
| Friday, Oct 4     | Exam 3                   |
| Wednesday, Oct 30 | Last day to drop a class |
| Friday, Nov 1     | Exam 4                   |
| Friday, Nov 22    | Exam 5                   |
| Nov 28-29         | Thanksgiving Holidays    |
| Wednesday, Dec 4  | Last day of class        |
| Saturday, Dec 7   | Final Exam, 12:30 - 3 pm |

**1315 Schedule of Topics(tentative)**

|        | DAY | SECTION  |        | DAY | SECTION    |
|--------|-----|----------|--------|-----|------------|
| Aug 23 | 1   | 0.1      | Oct 14 | 22  | 3.3        |
| Aug 26 | 2   | 0.2, 0.3 | Oct 16 | 23  | 3.4        |
| Aug 28 | 3   | 0.4      | Oct 18 | 24  | 3.4        |
| Aug 30 | 4   | 0.5, 0.6 | Oct 21 | 25  | 4.1        |
| Sep 4  | 5   | 0.6, 0.7 | Oct 23 | 26  | 4.1        |
| Sep 6  | 6   | Exam 1   | Oct 25 | 27  | 4.2        |
| Sep 9  | 7   | 1.1      | Oct 28 | 28  | 4.2        |
| Sep 11 | 8   | 1.2      | Oct 30 | 29  | Review     |
| Sep 13 | 9   | 1.3      | Nov 1  | 30  | Exam 4     |
| Sep 16 | 10  | 1.5      | Nov 4  | 31  | 7.1        |
| Sep 18 | 11  | 1.6      | Nov 6  | 32  | 7.1        |
| Sep 20 | 12  | Exam 2   | Nov 8  | 33  | 7.2        |
| Sep 23 | 13  | 2.1      | Nov 11 | 34  | 7.2        |
| Sep 25 | 14  | 2.2      | Nov 13 | 35  | 7.3        |
| Sep 27 | 15  | 2.3      | Nov 15 | 36  | 7.3        |
| Sep 30 | 16  | 2.4      | Nov 18 | 37  | 7.4        |
| Oct 2  | 17  | 3.1      | Nov 20 | 38  | 7.4        |
| Oct 4  | 18  | Exam 3   | Nov 22 | 39  | Exam 5     |
| Oct 7  | 19  | 3.2      | Nov 25 | 40  | 7.5        |
| Oct 9  | 20  | 3.2      | Nov 27 | 41  | 7.5        |
| Oct 11 | 21  | 3.3      | Dec 2  | 42  | 7.6        |
|        |     |          | Dec 4  | 43  | Review     |
|        |     |          | Dec 7  | 44  | Final Exam |