MA 1090-003 Business Algebra

Class Information: LCB 219, TH 6:00 - 7:30 pm

Instructor Information:
Katie Link
Office: LCB 317   Contact: link@math.utah.edu   Office Hours: Tuesday 5:00-6:00 PM in LCB 317, Thursday **TBA** in SFEBB,

Office hours and other aspects of this syllabus are subject to change. All changes will be announced in class or communicated via e-mail.

Text:
(1) *Business Algebra*, by Kelly MacArthur, 2nd edition, Hard Copy ISBN: 978-1-4652-4098-9
(2) Class notes will be posted on my website (possibly per day or possibly by week.)

Course Information: Math 1090, Business Algebra is a 3-credit semester course.

Prerequisite: At least a C grade in MA 1010

Course Description: Functions and graphs, linear and quadratic functions, matrices, Gaussian elimination, Leontieff models, exponential and logarithmic functions, growth, periodic and continuously compounded interest, arithmetic and geometric series, annuities and loans.

Tutoring Lab: T. Benny Rushing Mathematics Student Center (adjacent to JWB and LCB), Room 155. Monday - Thursday 8 a.m. - 8 p.m.; Friday 8 a.m. - 6 p.m. (open Wednesdays) (closed Saturdays, Sundays, and holidays) They are also offering group tutoring sessions. If you are interested, inquire at the Tutoring Lab. **http://www.math.utah.edu/ugrad/tutoring.html**

Private Tutoring: University Tutoring Services, 330 SSB. They offer inexpensive tutoring. There is also a list of tutors at the Math Department office in JWB 233.

Computer Lab: T. Benny Rushing Mathematics Student Center, Room 155C. Monday-Thursday 8 a.m. - 8 p.m.; Fridays 8 a.m. - 6 p.m. The link to the computer lab is **http://www.math.utah.edu/ugrad/lab.html**

Grade Distribution:

Weekly Homework and Quizes	15%
Midterms x 3	60%
Final Exam (cumulative)	25%

Note: There will be three midterms. Your lowest midterm score will count for 10% of your final grade and your two top midterm scores will each count for 25% of your final grade (**THIS POLICY IS SUBJECT TO CHANGE**). I do NOT curve grades in this course. It is theoretically possible for everyone in the class to get an A (or an F). Your performance depends only on how you do, not on how everyone else in the class does. It is therefore in your best interests to help your classmates, while keeping the academic integrity policy in mind.

Weekly Homework:

- I will collect homework during the first class of each week. All of the homework assigned the previous week is due at that time.

- Each homework assignment will be worth 10 points.

- You will get the full credit if you DO every problem. I will NOT be grading for correctness, so it is your responsibility to make sure you understand the problems and their solutions. Please notice that it is not possible to get an A in this course if you choose not to do any of the homework.

- The homework is to be turned in according to the following instructions:

  – **The homework set MUST be stapled together with the corresponding cover sheet as the first page.** (I will post the cover sheets on my website.) A homework set turned in without being stapled or without a cover sheet will results in a **zero**.
  – **I will NOT accept late homework sections.** NO EXCEPTIONS.
  – **Completeness conditions:** A complete homework section is defined as follows:
    * Attempt all the problems.
    * Include the proper heading - i.e. the section and problem number - for each problem.
    * Write out each problem statement completely.
    * Show all your work and then BOX your final answer.
  – **I only collect homework during the first class of the week.** I will not accept homework early.

Quizzes:
There will be a total of 10 quizzes. There will be a 15-minute quiz at the end of class. Dates can be found on the Canvas webpage. The weeks where there is a midterm, we will not have a quiz.

Midterms:
There will be no make-up exams. Below are the midterm dates.

- Midterm 1 - Tuesday, February 4th,

- Midterm 2 - Thursday, March 3rd,

- Midterm 3 - Tuesday, April 5th.

Final Exam: The DEPARTMENTAL final will be comprehensive and scheduled on **Thursday, April 28, 3:30 to 5:30 p.m.** There are absolutely NO EXCEPTIONS. Please make travel plans accordingly.

Online Grades: I will put your grades online on Canvas. You can get there easily from the main University of Utah website **www.utah.edu**. To log in, use your student id and password that you use for Campus Information System. I will do my best to update grades on a regular basis and keep everything accurate.

Calculators: You may use any calculator you like for the homework in this class. I will exclude the use of calculators on quizzes. For exams, I allow a scientific calculator, but **NO graphing, programmable, or cell phone calculators**.

Grading Policy The grade scale will be as follows:
A (93-100), A- (90-92), B+ (87-89), B (83-86), B- (80-82), C+ (77-79), C (73-76), C- (70-72), D+ (67-69), D (63-66), D- (60-62), E (0-59).

ADA Statement: The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accomodations in the class, reasonable prior notice needs to be given to the Center for Disability Services (CDS), 162 Olpin Union Building, 581-5020

(V/TDD). CDS will work with you and me to make arrangements for accommodations. All information in this course can be made available in an alternative format with prior notification to CDS.

Student Responsibilities: All students are expected to maintain professional behavior in the classroom setting, according to the Student Code, spelled out in the Student Handbook. You have specific rights in the classroom as detailed in Article III of the Code. The Code also specifies proscribed conduct (Article XI) that involves cheating on tests, collusion, fraud, theft, etc. Students should read the Code carefully and know you are responsible for the content. According to Faculty Rules and Regulations, it is the faculty's responsibilities to enforce responsible classroom behaviors, beginning with verbal warnings and progressing to dismissal from class and a failing grade. Students have the right to appeal such action to the Student Behavior Committee. http://regulations.utah.edu/academics/6-400.php

Teaching Philosophy: I believe strongly that mathematics, at its core, is the art/experience/science of problem solving and pattern recognition. It is inherently a creative process, one to be struggled with, repeated, and enjoyed. This process requires imagination, persistence, courage, processing time, and ultimately produces experiential, mathematical skill. It is from this perspective that I teach.

Additional Policies: These can be found on the class web page entitled Other Policies. All students will be held accountable for knowing these classroom policies. I reserve the right to change my policies stated in this syllabus at any time. All changes will be announced in class and be sent via email.

Tentative Course Outline: The weekly coverage might change as it depends on the progress of the class.

Week	Content
Jan. 12, 14	• Introduction, Review • Review, 1.1
Jan. 19, 21	• 1.2, 1.3, 1.4
Jan. 26, 28	• 1.5, 1.6, 1.7
Feb. 2, 4	• 1.8, Midterm 1 Review • Midterm 1
Feb. 9, 11	• 2.1, 2.2, 2.3
Feb. 16, 18	• 2.3, 2.4, 2.5
Feb. 23, 25	• 3.1, 3.2, 3.3
March 1,3	• 3.4, Midterm 2 Review • Midterm 2
March 8, 10	• 3.4-3.5, 3.6, 3.7
March 15, 17	• NO SCHOOL, SPRING BREAK!
March 22, 24	• 4.1, 4.2, 4.3
March 29, 31	• 4.4, 4.5 • Midterm 3 Review
April 5, 7	• Midterm 3 • Class Cancelled
April 12, 14	• 4.6, 5.2, 5.3
April 19, 21	• 5.4, 5.5 • Chapter 5 Review
April 26	• Final Review
Friday, April 28	• **FINAL EXAM (cumulative): 3:30 - 5:30 PM**