MATH 1324 Business Mathematics Syllabus

Instructor: Jason Groves Office: M107 (Levelland)

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Office Hours: By Appointment

Prerequisites: two years of high school algebra, successful completion of MATH 0320, or suitable TSI score.

Materials: College Mathematics 13th ed. by Barnett, Ziegler, Byleen. Suitable writing instruments and paper for taking notes and completing assignments. Calculators with exponential and logarithmic functions are required. Graphing Calculators are permitted but not required (NOTE: the TI-89, TI-nspire and above are not permitted).

Core Curriculum: This course satisfies the following Core Objectives: Communication Skills:

- Develop, interpret, and express ideas through written communication
- Develop, interpret, and express ideas through oral communication
- Develop, interpret, and express ideas through visual communication

Critical Thinking:

- Generate and communicate ideas by combining, changing, and reapplying existing information
- Gather and assess information relevant to a question
- Analyze, evaluate, and synthesize information

Empirical and Quantitative Competency Skills:

- Manipulate and analyze numerical data and arrive at an informed conclusion
- Manipulate and analyze observable facts and arrive at an informed conclusion

Expected Learning Outcomes: At the end of this course, students should be able to competently perform the following:

- 1. Demonstrate and apply knowledge of functions, including domain, range, composition, and inverses.
- 2. Understand polynomial, rational, radical, exponential, and logarithmic functions, and solve related equations and applications.
- 3. Use functions to model and understand interest, including annuities, sinking funds, and amortizations.
- 4. Solve systems of linear and non-linear equations, and apply them to solve problems.
- 5. Use matrix methods to solve systems of linear equations and linear programs.

IT IS THE RESPONSIBILITY OF THE STUDENT TO BE FAMILIAR WITH SOUTH PLAINS COLLEGE POLICIES. BELOW ARE ITEMS SPECIFIC TO THIS COURSE

Assessment: Grading will be done according to the standard 10 percent scale (i.e. 100% - 90% is an A, etc.) with assignments weighted according to the following:

Quizzes	20%
Exams	60%
Final Exam	20%

Class Attendance: Students are expected to be in class and prepared for the day's lesson. Students are responsible for the material covered in this course, whether or not they are in class for any reason. A student missing 5 individual class days without continuing notification will be dropped from the course. Please note that state law only allows for 6 withdrawn courses total.

Quizzes: Quizzes will be given daily (except on exam days). Problems will be taken from the homework directly.

Exams: There will be four comprehensive midterm exams given during this course. Questions will be similar (but not necessarily identical) to assigned homework problems. During exams cell phones, laptops, and other such objects should be turned off and put away. There is no tolerance for violations. Students who break these rules will be asked to leave the exam (counted as an absence) and receive a zero for their exam grade. *Makeup exams are not given*.

Final Exam: The final exam is comprehensive, and a required part of the course. Failure to take the final exam results in an automatic F. The Final Exam will be held in this classroom on Tuesday, July 10, from 4 pm - 8 pm

Extra Credit: Extra Credit is not offered except for the possibility of bonus questions on exams (final exam excluded)

Civility in the classroom: Students are expected to assist in maintaining a classroom environment that is conducive to learning. Given that students may be asked to present material as a part of the course, and contribute openly in class, troublesome behavior will not be tolerated. At a minimum, this includes use of cell phones, making offensive remarks, reading newspapers, arriving late, leaving early or engaging in any other form of distraction. Infractions will be dealt with proportionally to the offense, and may include dismissal from that class period (which will count as an absence on your attendance record). Tobacco products are not permitted in the classroom.

Honesty: "Scholastic dishonesty" includes but is not limited to cheating, plagiarism, collusion, falsifying academic records, misrepresenting facts, and any act designed to give unfair academic advantage to the student. Incidents of academic dishonesty will be promptly reported and dealt with.

Campus Resources: Students have access to tutoring in M116 on the Levelland campus, or Building 4 on the Reese campus. You may access other videos on blackboard by logging in with the username "mvideos" (the password is "mvideos" as well.) Other resources include YouTube, Khan Academy, and many other online sources.

Sexual Misconduct: By law all faculty members are mandated reporters of any incidents of sexual misconduct. That means that faculty cannot keep information about sexual misconduct confidential if you share that information. Dr. Lynne Cleavinger, the Director of Health & Wellness, can advise you confidentially as can any counselor in the Health & Wellness Center. They can also help you access other resources on campus and in the local community. You can reach Dr. Cleavinger at 716-2563 or Icleavinger@southplainscollege.edu or go by the Health and Wellness Center. You can schedule an appointment with a counselor by calling 716-2529.

Campus Concealed Carry: Campus Concealed Carry - Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to the SPC policy at:

http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.php Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

ADA Compliance: SPC Disability Statements

Levelland Campus Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance to federal law, a student requesting accommodations must provide acceptable documentation of his/her disability. For more information, call or visit the Disability Services Office in the Student Services Building, 806-716-2577.

Reese Center and Lubbock Center Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance to federal law, a student requesting accommodations must provide acceptable documentation of his/her disability. For more information, call or visit the Disability Services Office in Rooms 809 and 811, Reese Center Building 8, 806-716-4675.