

MATH 1314 College Algebra (TTAP) Syllabus

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Office Hours: M - F: 8 am - 8:50 am; MWF: 11 am - Noon

Prerequisites: Appropriate score on TSI exam, completion of MATH 0320, or other indicator of college readiness.

Materials: College Algebra 6th ed. by Blitzer. Suitable writing instruments and paper for taking notes and completing assignments. A scientific calculator (a calculator with e^x and log functions) is required, graphing calculators are not permitted. Access to MyMathLab will be required for doing homework.

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. Apply graphing techniques to analyze functions.
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.

IT IS THE RESPONSIBILITY OF THE STUDENT TO BE FAMILIAR WITH SOUTH PLAINS COLLEGE POLICIES, AS WELL AS THOSE OF TEXAS TECH UNIVERSITY AND TTAP. 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 scale

Participation	16%
Tests	16% ea
Final Exam	20%

Class Attendance: Students are responsible for the material covered in this course. A student missing two consecutive weeks of classes or 5 individual class days without continuing notification will be dropped from the course. Please note that new state laws only allow for 6 withdrawn courses total. Further, note that this attendance policy is only for *this* course. TTAP has its own attendance policy for participation in the program.

Participation: Participation consists of homework, in-class assignments, problems presented on the board, or quizzes given in class.

MyMathLab will be used in this course. Written assignments will also be given as necessary where long-form answers are required. Any long-form answers must have all work shown in an organized fashion, and all answers must be given in complete, grammatically correct sentences that convey a logical thought process and answer the question or address the issue (if required). Late work is not accepted.

Quizzes will be given as often as necessary to assess classroom performance. They will usually be announced in advance, but this is not a requirement. Quizzes cannot be made up, retaken, or dropped, except at the discretion of the instructor.

In-class assignments consist of any assignment done in class that is not an exam or a quiz. They will be due at the end of the class period.

Exams: There will be at least four midterm exams given during this course. Questions will be similar to assigned homework problems or quiz questions. During exams cell phones, iPods (or other mp3 players), laptops, and other such objects should be turned *off* and put away. There is no tolerance for violations. *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. As the final exam is comprehensive, your final exam grade also serves as the lowest possible grade for the course. The Final Exam date and time is to be determined.

Extra Credit: Extra credit is offered to students who have shown adequate participation in the course. See document *Extra Credit Assignments* for details.

Civility in the classroom: Students are expected to assist in maintaining a classroom environment that is conducive to learning. Given that students will 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 2 (rooms 206 and 208) on the Reese campus. MyMathLab also has many videos and instructional resources, and you can create sample tests and quizzes in the “Study Plan” section. Students are also encouraged to utilize the Tutoring Center located in the Mathematics and Statistics building on the Tech Campus (MATH 106)

ADA Compliance: SPC Disabilities Statement

Reese Center and the Byron Martin Advanced Technology Center (ATC) 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.