

South Plains College
MATH 0320 - INTERMEDIATE ALGEBRA
Summer I 2017 Course Syllabus

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Textbook: Elementary and Intermediate Algebra by Sullivan, Struve, and Mazarella 3rd edition College Courseid: Sanchez77248

Course Description: To provide a fundamental algebraic base which the student can use for the study of more advanced mathematics courses. Prerequisite: Math 0315 - Beginning Algebra or a score of 62 on Accuplacer.

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

Course Objectives: Successful completion of this course should reflect mastery of the following objectives:

(Chapter and section numbers are indicated in parentheses.)

1. **Define, represent, and perform operations on real and complex numbers**
2. **Recognize, understand, and analyze features of a function.**
3. **Recognize and use algebraic (field) properties, concepts, procedures (including factoring) and algorithms to combine, transform, and evaluate absolute value, polynomial, rational, and radical expressions.**
4. **Identify and solve absolute value, polynomial, rational, and radical equations.**
5. **Identify and solve absolute value and linear inequalities**
6. **Model, interpret, justify mathematical ideas and concepts using multiple representations.**
7. **Connect and use multiple strands of mathematical situations and problems, as well as in the study of other disciplines.**

Expectations:

- Read the syllabus.
- Attend class, arrive on time, do your homework, turn in homework ON TIME, and be prepared to participate.
- **TURN OFF and PUT AWAY** all cell phones and mp3 players when you enter the classroom and keep off for the duration of the class. Do **NOT** send or receive text messages during class.
- Maintain a classroom environment that is conducive to learning.
- Foster a spirit of complete honesty and a high standard of integrity. For more detail, see page 23 of the South Plains College General Catalog.

Attendance: Record of your attendance will be maintained throughout the semester. You may be dropped from this course with a grade of X or F if you exceed four absences throughout the semester. **Absences are not classified as 'excused' or 'unexcused'.**

TSI: The Texas Success Initiative (TSI) is a state program designed to ensure that all Texas institutions provide placement testing, personal advisement and appropriate instruction to students to enhance their opportunities for success in their college studies. All new students entering Texas colleges and universities are required to take a placement test prior to enrolling in college-level courses, unless exempt from testing under specified state standards (i.e., scores on ACT, SAT or TAKS). Testing will indicate whether a student possesses adequate basic college level skills in reading, writing and mathematics necessary to begin an undergraduate program of study. (copied from the current SPC catalog)

Graphing Calculators are not permitted in this course

Grading:

Homework 20%

Quiz (attendance) 15%

Exams 50%

Final Exam 15%

Grading Scale:

A 90-100

B 80-89

C 70-79

D 60-69

F 59 or below

A grade of C (70) or better is required to advance to the next course. Although your grade in this course will not be used in calculating your GPA, your grade is used to determine academic status for financial aid. **This course and its grade will be recorded on your official transcript.**

Homework:

• **all homework is online. No late homework is accepted for any reason. Homework is always due at midnight of the day it is covered.**

Exams: There will be 4 unit exams and a comprehensive departmental final exam . Dates for the exams are given on the calendar. If for any reason you are unable to take an exam at the designated time you must contact me prior to class time. Make-up exams will be given at the discretion of the instructor. Any person who knows they will be absent on a day of an exam should make arrangements to take the exam at an EARLIER date.

Attendance: Do not ask if you can leave early. You must stay until the end of the period to receive credit!

Tutoring: Free tutoring and video tapes are available in Room 116 of the Math Building. Digital versions of these tutorial videos can be viewed on your personal computer. There is a link for these videos on blackboard <http://spc.blackboard.com>

Equal Opportunity: South Plains College strives to accommodate the individual needs of all students in order to enhance their opportunities for success in the context of a comprehensive community college setting. It is the policy of South Plains College to offer all educational and employment opportunities without regard to race, color, national origin, religion, gender, disability or age.

Diversity:

In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Disabilities:

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.

Levelland - For more information, call or visit the Disability Services Office in the Student Services Building, 806-716-2577.

Reese: Rooms 809 and 811, Reese Center Building 8, 806-716-4675.

Extra help/Extra Credit: Office hours are posted to let you know when I will be here, however, I am available any time that you see me in my office. I encourage you to find ways to excel in this class. This means, making appointments for office hours if the times given don't fit your schedule, e mailing or calling me for any questions or concerns, finding additional resources to help you learn, and seeking extra help if you need it.

“Insanity is doing the same thing, over and over again, but expecting different results.”
~Albert Einstein