

SUL ROSS STATE UNIVERSITY

Syllabus

MATH 0300-0301

COURSE: Introductory /Intermediate Algebra

TIME: TR 12:30- 1:45

LOCATION: ACR 205

INSTRUCTOR: Judith Loya

OFFICE: FH 111

PHONE: (432) 837-8476

E-MAIL: jloya@sulross.edu

OFFICE HOURS: MWF 8am-12pm & 1pm-5pm, TR 8am-12pm & 2pm-6pm

PLACEMENT: TSIA: a score of 349 or lower.

BOOK: Student Support Services will provide you with the book required for this class. However, you have to take care of it and if you lose it, you will pay for it.

Thomasson, JoAnne and Bob Pesut. *Experiencing Introductory & Intermediate Algebra Through Functions and Graphs*. (2007) 3rd ed. Pearson Prentice Hall.

ISBN 0-13-221517-9

SUPPLIES: Three-ring binder and a spiral or notebook paper; pencils only in classroom.

CLASS REQUIREMENTS:

- A 1 hr lab is mandatory. We will schedule a time to meet with our tutor every week.
- Must attend every class and be on time.
- Must attend two of our SSS workshops.

Remember: if you don't follow these two requirements you will be dropped from the class.

CATALOG DESCRIPTION: This class is a combination of MATH 0300 and MATH 0301. Introductory/Intermediate Algebra (3-0). This course is designed for students whose score on an approved assessment instrument does not meet minimum requirements on the mathematics portion of the assessment. Topics included in this course are algebraic operations on real numbers, the solving of equations and inequalities, basic operations with polynomials, simple graphing techniques, critical thinking skills, and college readiness skills. Credit in this course cannot be used to satisfy requirements for any degree. Students must earn a grade of C or better to progress to the next level math course.

LEARNING OUTCOMES: After completing this course, the student should be able to demonstrate competency in the following:

- 1) Demonstrate skills with fractions and decimals;
- 2) Verify equivalent fractions, decimals, and percentages; apply skills to analyzing percentages;
- 3) Generalize algebraic operations on real numbers and apply properties of real numbers;
- 4) Verify equivalent expressions and generalize to algebraic operations;
- 5) Apply skills and properties for solving equations and practical problems;
- 6) Apply linear graphing techniques
- 7) Apply basic geometric formulas; generalize to practical geometric concepts.
- 8) Analyze systems of real numbers and apply their properties; classify real numbers and apply set theoretical descriptions; generalize to evaluation of complex expressions;
- 9) Operate upon exponential and radical notations with integer and rational number exponents; generalize previous knowledge of polynomials to special products and other applications;
- 10) Review factor by grouping and factoring trinomials; generalize factoring skills to include the factorization theorem and special factoring;
- 11) Simplify and operate on rational expressions; generalize to complex fractions;
- 12) Perform operations on complex numbers.

LATE WORK: All work not turned in on time must still be turned in to the instructor for assessment, which will reflect the lateness of the missed deadline. All Assignments turned in late will be reduced by a letter grade per class day. Do not expect me to ask you for your late work. It is your responsibility.

GRADING: Your grades will be earned according to the following percentages:

- A= 90-100%
- B= 80-89%
- C= 70-79%
- F= 69% and below

METHOD OF EVALUATION: You will be evaluated using a 100 point scale.

Homework	25%
Lab Assignments	25%
Midterm	20%
Final	30%

ACADEMIC ETHICS: Please remember that real success comes from learning how to do the work yourself. Your instructors believe that you are an honest individual and expect that all of the work that you do results from your own efforts. You know that a college education costs too much for you to waste your time trying to beat the system rather than figuring out how to learn the material. You know that any form of cheating is dishonest and it makes you look very bad. Your instructor will have specific responses to any academic dishonesty that s/he may encounter. A repeated instance of academic dishonesty may result in your situation being forwarded to the Dean of Student Life. Please see the SRSU Student Handbook for a more complete discussion of academic honesty.

ATTENDANCE POLICY: Sul Ross State University and the State of Texas require each student liable for any portion of the Texas Success Initiative (TSI) to attend and participate in developmental coursework. If you fail to attend and/or participate, you will earn an "F" for the course. Also, it is a course requirement that you take the mid-term and final exams. Failure to do so will result in your earning an "F" for the course.

Remember that SSS is paying for this class; therefore you are responsible to attend every class and weekly lab. If you must be absent, you are responsible to contact me in advance to do the work covered during the class you have to miss.

According to the University catalog, "When a student has to miss class due to an authorized university activity, it will be the responsibility of the student to notify the instructor of the class in advance [and to complete all assignments] within a reasonable time and at the convenience of the instructor."

CELL PHONES: Cell phones going off during class are disruptive. Be a considerate class member. Turn off your cell phone before class begins and keep it turned off throughout the class period. If you feel that you have an emergency situation that requires your phone being left on, speak with your instructor before class. Should you fail to silence (including the "vibrate" function) your phone, you risk being counted absent.

COURSE COMMITMENT:

You will make the decision about how long it takes you to clear your developmental math requirement. Please keep these thoughts in mind:

1. Your registration in this course is the result of your math test scores and, at this time, those scores do not indicate that you could be successful in a college level math class. We want you to be successful in your college level math class, so learn everything that you can in this class.
2. It costs as much to take this class (at least \$650) as it does to take any other SRSU three-hour course. Yet you know that this course does not count towards your degree. You will save a lot of money and time if you decide to clear your developmental math requirement as quickly as possible.
3. You are the only one who can make the commitment to be successful in this class. You will decide how much time you end doing homework, asking your instructor questions, and visiting with a tutor. So come to class and complete this course with a grade of "C" or better this semester.

EXTRACURRICULAR ELIGIBILITY: You will sign a contract with SSS that notes that if you do not pass all of your developmental education coursework this semester (ED 0300, ENG 0300, ENG 0310, MATH 0300, and/or MATH 0301), then you will not be eligible to participate in any extracurricular SRSU activities next long semester. Extracurricular activities include, but are not limited to, Student Government Association, Campus Activities, Athletics, and Rodeo.

STUDENT ASSISTANCE: Tutors are available in the Student Support Services Success Center, Ferguson Hall 211, and in the Academic Learning Center, Ferguson Hall 213. Please check with SSS and the ALC for hours and days of tutor availability.

STUDENTS WITH DISABILITIES: If you have a disability and need an accommodation, you should contact the Counseling and Accessibility Center located in Ferguson Hall, Room 112 (432-837-8203). You are responsible for presenting to the instructor any accommodation letter(s) and instructions.

TEXAS SUCCESS INITIATIVE (TSI) ADVISING: As a developmental education student, you have a TSI hold on your records. In order for you to register for the next semester, you must see a TSI advisor in Lobo Den. Lobo Den is located in Lawrence Hall, Room 102 and their phone number is 432-837-8982.

TENTATIVE CALENDAR

Week	Tuesday	Thursday
Week 1 August 26, 28	Syllabus, introductions, etc.	Whole numbers
Week 2 September 2, 4	Fractions	Decimals Proportions and Percent
Week 3 September 9, 11	Algebraic expressions and equations	
Week 4 September 16, 18	Graphs of linear equations	
Week 5 September 23, 25	Statistics and probability	
Week 6 Sep 29, Oct 2	Geometry	
Week 7 October 7, 9	Real numbers and variables	
Week 8 October 14, 16	Midterm review	Midterm
Week 9 October 21, 23	Linear equations	Inequalities
Week 10 October 28, 30	Functions and Lines	Systems of equations
Week 11 November 4, 6	Integer Exponents	Polynomials
Week 12 November 11, 13	Radicals	Rational Exponents
Week 13 November 18, 20	Complex numbers	Quadratic equations
Week 14 November 25, 27	Rational expressions and proportions	Thanksgiving break- November 26-28, Wednesday-Friday
Week 15 December 2, 4	Final Review	Dead Day December 4 th
Week 16 December 9	Final	