



**SUL ROSS STATE UNIVERSITY
ACADEMIC CENTER FOR EXCELLENCE
Common Course Syllabus
MATH 0314 C04 10047
(Co-requisite with MATH 1314)
Fall 2019**

COURSE TITLE: Introduction to College Algebra

CLASSROOM: FH 201

SECTION #/TIME: C04 MW 12:30-1:45

INSTRUCTOR: Ms. McAlister

INSTRUCTOR Office: FH 206

PHONE #: 432 837 8522

E-MAIL: cmca849@sulross.edu

INSTRUCTOR'S OFFICE HOURS: TR 11:00-1:30 and by appointment

CREDIT HOURS: 3 **LECTURE HOURS:** 3 **MANDATORY CO-REQUISITE:** MATH 1314

TSIA PLACEMENT: a score of 344-349

CATALOG DESCRIPTION: MATH 0314 Introduction to College 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. Students who wish to earn a B.S. degree take MATH 1342. Topics included in this course are operations with polynomial expressions; methods for solving quadratic equations and inequalities; applications of quadratic equations; rectangular coordinate system and graphs of quadratic equations. 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.

SOFTWARE (TEXTBOOK): Hawkes

Hawkes Tech Support: Monday - Friday, 7:00 AM to 9:00 PM (Central Time) • 843-571-2825 •

<http://support.hawkeslearning.com/supportcenter/>

NOTE: If you have not purchased your copy of HAWKES by the end of the temporary code you will be dropped from this class with an "F."

SUPPLIES: Three-ring Binder and dividers or spiral with dividers and notebook paper; pencils only in classroom.

STUDENT LEARNING OUTCOMES:

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

- 1) The student will be able to solve linear, quadratic, rational and radical equations, and inequalities.
- 2) The student will be able to graph functions by plotting points and performing transformations on certain parent functions.
- 3) The student will be able to graph polynomial functions by finding roots using synthetic or long division and distinguish the end behavior of graphs.
- 4) The student will be able to model growth and decay problems using exponential functions.
- 5) The student will be able to solve systems of equations in two and three variables.

COURSE REQUIREMENTS: See your instructor's syllabus addendum for specific requirements.

METHOD OF EVALUATION:

See your instructor's syllabus addendum for specific requirements. The grade of "PR" (Progress) can only be earned the first semester that you take this course. If you have to retake the course, then you may only receive a traditional letter grade.

C0-REQUISITE MODEL:

Your MATH 0314 class is designed to provide you with support for your MATH 1314 class. Your MATH 1314 instructor will introduce a concept in class. Your MATH 0314 instructor will help ensure that you have the math skills needed to master that particular math concept. You need to attend both classes in order to be successful.

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 **could** result in your earning an "F" for the course.

If you must be absent, you are responsible for finding out what was covered and assigned in class in order to be prepared when you return to class. 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."

See your instructor's syllabus addendum for specific attendance criteria.

Being more than five minutes late or leaving before class is over will be counted as an absence!

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 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: If you do not pass all of your developmental education coursework (ED 0200/ED 0300, ENG 0200/ENG 0300, ENG 0309, ENG 0310, MATH 0200/MATH 0300, MATH 0332, MATH 0342, and/or MATH 0314) this semester with a grade of "C" or better or "PR," 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 Tutoring and Learning Center, Library first floor, free of charge. Please check with the Tutoring and Learning Center for hours and days of tutor availability.

STUDENTS WITH DISABILITIES (ADA): If you have a disability and need an accommodation, you should contact the Counseling and Accessibility Center located in Ferguson Hall, Room 112. Students seeking accessibility services must contact Mary Schwartze, M.Ed., L.P.C. Her phone number is 432-837-8203. Her email address is mschwartze@sulross.edu 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 SCHEDULE

MATH 0314				
Day	Date		Lesson #s	Lesson
M	8/26			Syllabus; log into computers; create Hawkes account
W	8/28		1R1, 1R2	Exponents, Prime Numbers, and LCM; Reducing Fractions to Lowest Terms
M	9/2	Holiday	No Class	No Class
W	9/4		1R3, 1R4	Decimals & Percents; Simplifying Radicals
M	9/9		Ch 1 Quiz Rvw	Ch 1 Review
W	9/11			Ch 1 Quiz
M	9/16		2R1, 2R2	Multiply & Divide w/ Fractions; Add & Subtract w/ Fractions
W	9/18		2R3, 2R4	Apps: Number Problems & Consecutive Integers; Proportions
M	9/23		Ch 2 Quiz Rvw	Ch 2 Review
W	9/25			Ch 2 Quiz
M	9/30		4R1, 4R2	Order of Operations (O of O) w/ Real Numbers; Identifying Like Terms
W	10/2		4R3, 4R4	Simplifying Expressions; Translating English into Algebra
M	10/7		Ch 4 Quiz Rvw	Ch 4 Review
W	10/9		5R1, 5R2	GCF of a Set of Terms; Factoring Trinomials by Grouping
M	10/14		5R3	Review of Factoring Techniques
W	10/16		Mid Term Rvw	Review for Mid Term
M	10/21	mid-term	Mid Term Rvw	Review for Mid Term
W	10/23			Mid Term Exam
M	10/28		6R1, 6R2	Intro to Rational Expressions; Special Products of Binomials
W	10/30		6R3	Special Factoring Techniques
M	11/4		7R1, 7R2	Rules for Exponents; Power Rules for Exponents
W	11/6		7R3	Rational Exponents
M	11/11	Holiday	No Class	No Class
W	11/13		Rvw for Final	Review for Final
M	11/18		Rvw for Final	Review for Final
W	11/20		Rvw for Final	Review for Final
M	11/25		Rvw for Final	Review for Final
W	11/27	Holiday	No Class	No Class
M	12/2		Rvw for Final	Review for Final
W	12/4	Last class day	Rvw for Final	Review for Final
F	12/6			Finals
M	12/9			Finals
T	12/10			Final Exam T 12/10 12:30-2:30 in our regular classroom
W	12/11			Finals