

SUL ROSS STATE UNIVERSITY
ACADEMIC CENTER FOR EXCELLENCE
Fall 2019
MATH 0200 B01 (10028)/MATH 0300 B01 (10029)

COURSE TITLE: BASE Math Skills
CLASS DAY & TIME: MATH 0200 B01 MW 8:00-8:50
MATH 0300 B01 TR 8:00-9:15
CLASSROOM: Ferguson Hall FH 211
INSTRUCTOR: Cynthia McAlister
INSTRUCTOR'S Office: FH 206
INSTRUCTOR'S PHONE #: 432-837-8522
INSTRUCTOR'S E-MAIL: cmca849@sulross.edu
OFFICE HOURS: TR 11:00-1:30 and by appointment
CREDIT HOURS: 2
LECTURE HOURS: 0200-2, 0300-3
MANDATORY CO-ENROLLMENT: MATH 0300
TSIA PLACEMENT: TSI score of 335 or lower OR an ABE score of 1-4

CATALOG DESCRIPTION: MATH 0200: BASE Math Skills (2-0). 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. In this course students will develop basic mathematics skills. Topics included in this course are operations with whole numbers, integers, fractions, decimals, and percents; univariate linear equations, including multi-step equations and proportions; and verbal and written communication involving mathematical language, symbols and notation. Credit in this course cannot be used to satisfy requirements for any degree. Students must earn a grade of "C" or better OR retake and pass the math portion of the TSIA to progress to the next level.

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: Internet access and Sul Ross e-mail account (additional supplies may be required by your instructor)

STUDENT LEARNING OUTCOMES: After completing this course and the paired MATH 0300 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.

COURSE REQUIREMENTS

A=90-100%
B=80-89%
C=70-79%
F=69% or less

HOW YOUR GRADE IS CALCULATED:

Quizzes	30%
Exams	50%
Practice Work	20%

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.

ACCELERATION:

You determine how quickly or slowly you complete the work associated with this course. The sooner you complete your developmental math placement, the better off you will be, so please feel free to work hard and quickly.

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.

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.

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 courses, so learn everything that you can in this class.
- 2) It costs as much to take this class (at least \$589) as it does to take any other SRSU two-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 reading 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 spend 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 ACE that notes that if you do not pass all of your developmental education coursework this semester, or receive a grade of “PR” (ED 0200, ENG 0200, MATH 0200, 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 Tutoring and Learning Center, first floor of the Library, free of charge. Please check with the Tutoring and Learning Center for hours and days of tutor availability.

ADA Statement: Sul Ross State University is committed to equal access in compliance with the Americans with Disabilities Act of 1973. It is the student’s responsibility to initiate a request for accessibility services. Students seeking accessibility services must contact Mary Schwartz, M.Ed., L.P.C., in Counseling and Accessibility Services, Ferguson Hall, Room 112. The mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas 79832. Telephone: 432-837-8691. E-mail: mschwartz@sulross.edu .

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 once registration has begun for the next semester. Lobo Den is located in Lawrence Hall and the phone number is 837-8982.

TENTATIVE SCHEDULE

MATH 0200 + MATH 0300 BASE Math				
Day	Date		Lesson #s	Lesson
M	8/26			Syllabus; get on PC
T	8/27		1.1	get on PC; begin Ch 1 WN Operations; Intro Polynomials
W	8/28		1.2, 1.3	Add and Subt WNs; Mult and Div WNs
R	8/29		1.4	WPs
M	9/2	Holiday	1.5, 1.6	Equations w/ WNs; O of O w/ exponents
T	9/3		1.7	Intro to Polys
W	9/4			Review for Quiz 1
R	9/5			Quiz 1 WNs and Polynomials
M	9/9		2.1, 2.2, 2.3	Ch 2 Integers Intro to Ints; Add; Subtract
T	9/10		2.4, 2.5	Multiply and Divide w/ Integers
W	9/11		2.6, 2.7	Intro Like Terms & Polys; Solve Equations w/ Integers
R	9/12			Review for Quiz 2
M	9/16			Quiz 2 Integers
T	9/17		3.1, 3.2, 3.3, 3.4	Ch 3 Fractions Divisibility; Prime Numbers; Prime Factorization; LCM
W	9/18		3.5, 3.6	Reducing and Multiplication w/ Fractions; Division w/ Fractions
R	9/19			
M	9/23		3.7	Addition and Subtraction w/ Fractions
T	9/24			
W	9/25			Review for Quiz 3
R	9/26			Quiz 3 Fractions
M	9/30		4.1	Ch 4 Intro to Mixed Numbers
T	10/1		4.5	Solve equations w/ Fractions
W	10/2		4.6	Ratios & Proportions
R	10/3			
M	10/7			Review for Quiz 4
T	10/8			Quiz 4 Mixed Number operations; Equation solving w/ fractions, and w/ Ratios and Proportions
W	10/9		5.1, 5.2	Ch 5 Read, write, round decimals; Add and Subtract decimals
R	10/10		5.3	Multiply and divide decimals
M	10/14		5.4	Stats
T	10/15		5.5	Scientific notation; decimals to fractions; fractions to decimals
W	10/16		5.6	Solve equations with decimals
R	10/17			

M	10/21	mid-term		Review for MT
T	10/22			Practice MT
W	10/23			Review for MT
R	10/24			Mid Term Exam
M	10/28		6.1	Ch 6 Understanding percents
T	10/29		6.2, 6.3	Solving percent problems; estimating with percents
W	10/30		6.4	WPs
R	10/31		6.5	WPs Buy a house; Buy a car
M	11/4		6.6	Simple and Compound Interest
T	11/5			Review for Quiz 6
W	11/6			Quiz 6 Percents
R	11/7		7.1	Ch 7 Translating
M	11/11	Holiday		No class
T	11/12		7.2	Solving equations 1
W	11/13		7.3	Solving equations 2
R	11/14		7.4	WPs Consecutive integers; WPs into algebraic equations
M	11/18		7.5	Formulas
T	11/19			Review for Final
W	11/20			Review for Final
R	11/21			Review for Final
M	11/25			Review for Final
T	11/26			Review for Final
W	11/27	Holiday		No class
R	11/28	Holiday		No class
M	12/2			Review for Final
T	12/3			Practice Final
W	12/4	Last class day		Review for Final
R	12/5	Dead day		No class
F	12/6		Pick one day to come for Final Exam	Final Exam 8:00-10:00
M	12/9			Final Exam 8:00-10:00
T	12/10			Final Exam 8:00-10:00
W	12/11			Final Exam 8:00-10:00