

## Math 1233-X30: College Algebra Summer 2023

Instructor: Dr. Sarah Cobb

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### Catalog information

Description: Equations, inequalities, rational expressions, exponents, logarithms, radicals, functions, graphs, and systems of equations. A graphing calculator is recommended but is not required.

Prerequisites: Math TSIA2 score of 950, Math TSIA2 Diagnostic score of 6 ; MATH 1003 with a grade of C or better ; math TSI Assessment score of 350 ; math THEA score of 270 ; math Accuplacer score of 90 ; or satisfactory score on placement exam.

### Course Materials

#### Textbook and Online Homework System

We will be using the mathematics platform ALEKS throughout the semester. A link to ALEKS is accessible through D2L, or you can log onto ALEKS directly. Please refer to the *ALEKS Environment* course documents in D2L for an overview of the ALEKS system. Within the online environment, you will also have access to the textbook for this course: College Algebra, 2<sup>nd</sup> Ed. (McGraw-Hill) by Miller and Gerken.

#### Inclusive Access

Required digital materials (textbook and MyLab Access) for this course are part of the Courseware Access and Affordability Program at MSU Texas. Your course materials will be available on the first day of class through D2L. The charges for this material (\$97.45 plus \$8.04 tax) have been posted to your student account at the Business Office. If you wish to opt out of this program, instructions will be set to your my.msutexas.edu email address on the second day of class.

#### Calculators

You are permitted to use a calculator on tests in this class, though you are not required to have one. It is recommended that you have either a scientific or a graphing calculator. It should be able to take square roots, compute exponential and logarithmic functions, and perform other similar operations. The specific model of calculator is not important, but it should be something you are comfortable using. The ALEKS environment provides a calculator on select problems, which you may use.

## Course Modality and Expectations

### Modality

This course is entirely asynchronous and online. This means that you will be expected to set your own appropriate schedule to accomplish your goals in this course. Your progress for much of this course will be decided through **Mastery-Based Assessment**. Mastery-Based Assessment gives you (the student) the opportunity to learn from mistakes without punishment, gives you autonomy in your success in this course. Much of this will be unproctored and formative.

However, because it is vital to the integrity of this course, there will be one heavily weighted final assessment that is proctored to verify your progress was your own, without the use of outside sources or other aiding materials. Good performance on this assessment is essential to receiving a high grade in this course. It is helpful to think of the final assessment as something akin to an ACT or SAT, where the test grade is highly important, but the preparation leading up to the final assessment will undoubtedly improve your test grade.

### Objectives

Your primary objective will be to learn correct use of mathematical terminology and notation. You will also be learning problem solving skills from the point of view of a mathematician.

### Expectations

- Log into ALEKS at least four days per week to work on course content
- Log into D2L at least two days per week to view updates and information
- Ask specific, thoughtful questions (by email, during office hours, through D2L or ALEKS)
- Put forth your best effort every day

## Coursework and Grading

### Grading

Your course grade will be computed based on the following categories:

Category	Percentage
Module grades (4)	40%
Weekly topic goals (Best 8 of 9)	10%
Graded Knowledge Check 1	10%
Graded Knowledge Check 2	10%
Final Knowledge Check	30%

Your final letter grade will be based on the percentage obtained and your grade on the Final Knowledge Check.

Grade	Overall Percentage		Final Knowledge Check Score
A	At least 90%	AND	At least 80%
B	80—90%	AND	At least 70%
C	70—80%	AND	At least 60%
D	60—70%	AND	At least 50%
F	Less than 60%		

The four chapter grades will be determined at the time of the Final Knowledge Check. Final grades will not be rounded up and no extra credit will be given.

### Exam Schedule

The two Graded Knowledge Checks and the Proctored Final Knowledge Check will be taken online. Each of these Knowledge Checks should take one to two hours. Exceeding two hours on one of these Knowledge Checks might invoke a penalty to your grade. The dates for these exams are in the following table.

Knowledge Check	Earliest Start Time	Latest End Time
Graded Knowledge Check 1	Mon, Jun 26, 12:01 AM	Sun, Jul 2, 11:59 PM
Graded Knowledge Check 2	Mon Jul 17, 12:01 AM	Sun, Jul 23, 11:59 PM
Proctored Final Knowledge Check	Mon Aug 7, 12:01 AM	Friday Aug 11, 11:59 PM

### Proctored Final Knowledge Check

Your final exam in this course can be administered through one of the following options:

- (1) in person on the MSU Main Campus
- (2) through the online proctoring platform ProctorU
- (3) through another approved military or university testing center

Taking the final assessment on the MSU Campus is free, however there may be a fee for the other services that you will need to pay directly to ProctorU or third-party testing center. You do not need to schedule your exam with ProctorU until April, but you can go to the [MSU ProctorU Portal](#) soon to make sure you have the proper technology requirements if this is an option that you are interested in.

## **Course Policies**

### **Attendance**

Since this is an online course, there are no class meetings to attend. However, ALEKS will track the time you spend working on this course. You should expect to spend somewhere between 6 and 9 hours online each week; but individual students may find that they need different amounts of time.

Success in this course normally requires work done at a steady pace with at least some work every day or two. Ignoring the course for an uninterrupted week or more will result in time spent relearning material you have forgotten.

### **Academic Misconduct**

Any incident in which a student submits work for grading that does not reflect their own effort is considered academic dishonesty. This includes using sources (by paraphrase or direct quotation) without proper attribution; collaborating on work where collaboration is not authorized; use of sources on an assignment or test where those sources are not authorized; and turning in work completed by another person.

Cheating on any work in this course will result in no credit for that work. Egregious or repeated incidents will result in more serious consequences, such as a failing grade in the course or dismissal from your academic program. All incidents of academic misconduct will be reported as specified in your student handbook.

### **Desire-to-Learn (D2L)**

This course will use D2L to distribute information. Each student is expected to be familiar with this program and to regularly check posted information. You can log into D2L through the MSU Portal. Downloading the Brightspace Pulse app is also recommended. If you experience difficulties, please contact the technicians listed for the program or contact your instructor.

### **Communicating with Me**

The best way to reach me is by email ([sarah.cobb@msutexas.edu](mailto:sarah.cobb@msutexas.edu)). I will generally respond to email within two working days. Any communication not in writing or by email should be considered unofficial.

If you would like to talk in person or over Zoom, please send an email to [sarah.cobb@msutexas.edu](mailto:sarah.cobb@msutexas.edu) or call (940)-397-4253 to set up an appointment. I am happy to answer questions about homework problems, quizzes and tests, study practices, grades, and other topics.

**Changes to Syllabus**

Some portions of this syllabus may alter during the semester. I will announce changes by email through the D2L email system. You are responsible for knowing everything I email to your D2L email address.

**Student Handbook**

Make sure you are familiar with the university policies as described in the [student handbook](#). This course will abide by all university policies.

**Student Resources**

For information about other services available to students, please visit the Student Resources web page at [https://msutexas.edu/academics/scienceandmath/student\\_resources.php](https://msutexas.edu/academics/scienceandmath/student_resources.php)

**Services for Students With Disabilities**

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Clark Student Center, Room 168, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please contact the Disability Support Services office.