Math Learning Center

MathS 33 Syllabus • Summer 2026

- Location: Main Campus: STEM 201
- Natomas Center: Learning Resources Center (LRC)
- MLC phone number: 916-484-8632
- NMLC phone number: 916-485-6067

Our Philosophy

Math is a sequential learning subject. In order to learn a new topic, you must already understand what came before. The Math Learning Center (MLC) provides students with a mastery-based approach to learning math, under the guidance of an instructor. Developing effective learning strategies and study habits is an important part of the college experience and enhances mastery of the concepts covered. Discussion and reflection contribute to growth both personally and academically.

Course Description

This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in MATH 333 (Introduction to College Algebra). Students taking this course must be concurrently enrolled in the corresponding section of MATH 333. The content of this course is designed to provide arithmetic and algebraic support to students as they learn related concepts in their corequisite course. Topics and homework assignments are often connected to assignments in the corequisite course. This course is graded Pass/No Pass.

Prerequisite

There is no prerequisite for this course. This course is corequisite to Math 333.

If you are given a permission number to add the class, you must enroll by the 2nd class meeting or your spot will be given away.

Required Materials

All materials and equipment required for this course are listed in the Math 333 syllabus.

Attendance

Class meetings are held two days every week. During class you will complete assignments, sometimes in a group setting.

Getting Help

If you are working in a group, then your group members are your primary source of help. It is important that group members work on problems together and provide help to each other when needed. If your entire group needs help, then you should ask your instructor or a tutor (if available) for help.

In addition to class time, the MLC is open with tutors on duty during the hours shown in your Canvas course.

Course Assignments & Grading:

Success Skills Assignments (10% of your grade, lowest score dropped)

These assignments, designed to help you develop tools for success, will be completed in Canvas. Topics will include time management, a tour of MyLab Math, accessing tutorial support in the Math Learning Center, and mindset/grit. *No work may be submitted past the due date.*

Participation (5% of your grade, lowest 2 scores dropped)

Each week assignments will be completed during class, and credit will be awarded for engagement in discussion and assignment completion.

Concept Checks/Homework (10% of your grade) (Support modules include Modules 2, 4, 5, and 8.)

Concept check assignments will help you develop and assess your understanding of key concepts. Homework assignments will provide practice using key concepts from four "support" modules in the online curriculum. These assignments are arranged sequentially, and each must be passed with a score of 90% or higher in order to begin the next one. All concept check and homework assignments must be completed by the last day of module testing. (Note: Even if you have not finished the work for a support module, you can still make progress in the main course.)

Module Reviews (Module Review assignments for support modules 2, 4, 5, and 8 count for 5%, 10%, 15%, and 20% of your grade, respectively, for a total of 50%.)

When you have achieved mastery (90%) on the last homework assignment for a module, you will complete the review for that module to assess your mastery level of the concepts covered in the module. Multiple attempts will be allowed to prove sufficient mastery, and you will need to score at least **90%** on each module review before taking the next one. All module reviews must be completed by the last day of module testing. (Note: You can always continue making progress in the Math 333 course even if you have not finished a review for a support module.)

Workbook (15% of your grade)

As you watch videos in MyLab Math, you will fill in pages in the accompanying workbook included with the Math 333 curriculum. You show your instructor the pages from your workbook as you complete them. Your instructor will communicate expectations for workbook completion. (Note: The workbook counts for extra credit in Math 333, but is required for the support course.)

Sample Final Exam (10% of your grade)

This single assignment counts for 10% of your overall grade, so you should do your best. More importantly, it will help prepare you for the Math 333 final exam. You can attempt problems as many times as you would like to. As you complete it, you should discuss any questions you have with your instructor or with an MLC tutor.

Pacing

When you finish the Math 333 course (by taking the Final Exam), your grade in both Math 333 and MathS 33 will be determined at that time. No additional points may be earned in MathS 33 after taking the Math 333 Final Exam. Please see your Due Date Calendar linked in your Canvas homepage for a list of weekly assignments and deadlines.

Grades

Your overall course average will be calculated as follows:

Success Skills Assignments:	10%	
Participation:	5%	**Pass**: 69.5% - 100%
Concept Checks/Homework:	10%	**No Pass**: 0% - 69.5%
Module Reviews:	50%	
Workbook:	15%	
Sample Final Exam:	10%	
Total:	100%	

Note: if you earn a grade of W or No Pass in the course this semester and re-enroll next semester, you will receive credit for successfully completed Concept Checks, Homework assignments, and Module Reviews in the support modules (2, 4, 5, and 8) up through the last Module Review you successfully completed. No other credit from the previous semester will be awarded.

Drop Policy

You may be dropped from the course by your instructor for any of the following reasons:

- Failing to attend the mandatory orientation on the first day of class
- Failing to participate in **two** classes during the semester
- Failure to complete MathS 33 assignments on a regular basis

If you drop or are dropped from MathS 33, you will also be dropped from the corequisite Math 333 course. If you drop or are dropped from the corequisite Math 333 course, you will also be dropped from MathS 33.

Learning Outcomes and Objectives

Upon completion of this course, the student will be able to:

- analyze and investigate properties of functions.
- choose and apply appropriate techniques to factor a variety of polynomials.
- synthesize results from the graphs and/or equations of functions.
- solve and apply equations including linear, absolute value, polynomial, radical, rational, exponential, and logarithmic equations.
- solve linear and nonlinear systems of equations and inequalities.
- apply functions and other algebraic techniques to model real-world applications.
- recognize the relationship between functions and their inverses graphically and algebraically.
- apply transformations to the graphs of functions.

By enrolling in this course, you agree to follow all the policies explained in this syllabus. Note also that everything in this syllabus is subject to change as needed. Please attend each class meeting to be aware of any changes.

You should also be aware that while all MLC faculty members follow this syllabus, each instructor will have different ways of handling the details regarding checking in with students, looking at the workbook pages, taking roll, etc. You are expected to follow the directions and procedures that your instructor uses.