

Math 110, Syllabus

Text: Sullivan, College Algebra, Chapters 3-9 plus MyMathLab.

Functions, polynomials, theory of equations, exponential and logarithmic functions, systems of equations, permutations, combinations, binomial theorem.

An online copy of the book can be accessed through the Learning Suite web site for the course. However, you cannot mark that version. Intelligently marking a book is a great way to review for tests, efficiently and effectively. The BYU Bookstore sells paper versions of the book, economically.

Class Format (On-Campus Daytime Sections): All sections meet together in a Lecture Session twice a week. Each section meets separately in a lab session twice a week with the TA.

Most of the time in the lecture sessions will be spent on the discussion of new material. The primary activities in the Lab Session will be quizzes and homework.

Each lab will begin with a one question quiz, which will impact your final grade. After you enroll, you will be able to view the name of the quiz online. The name of the quiz corresponds to a homework problem in your book. You will need to prepare for the quiz before attending your lab session. Your TA will give you a code so that you can access the quiz. The problem will be slightly different from the problem in the book and slightly different from the problems of other students in your lab. If you do not get the correct answer on the quiz, you may retake it during the lab. After completing the quiz, you should start on your homework. With rare exceptions, quizzes may not be taken outside of the computer lab.

Homework: Homework and quizzes will be completed online. You must access your Quizzes and HW through the Learning Suite web site for the course, which enables you to reach Pearson's MyMathLab. The cost of the online HW system, and of the online textbook, will be directly billed to your BYU account after the drop deadline, assuming that you are still enrolled in the course. The homework problems in each homework set are usually due one week after the section has been covered in class, but not always. You can check your answers. If you do not get the correct answer on a problem, you may redo it. Beginning with assignment 3, you should write up your homework and keep it in a workbook. After tests 2, 3 and 4, you may show this homework to your TA (large section) or Instructor (small section) for a bonus of up to 4 percent on the test score. The workbook will help you to prepare for the tests.

Getting Help: The BYU Math Lab is a great source of help. If you cannot come in, they can help you via phone (801-422-4695) or email (labhelp@mathematics.byu.edu). If you want you can email them a picture of your work and then call them to discuss it.

Attendance: Attendance in the large lecture is expected of all students enrolled in the class. Although the class is large, students should participate and ask questions. The learning environment is improved when students are attentive. Students should be respectful of other students and the instructor by actively seeking to understand the material.

Exams: There will be 4 midterm exams and a Final Exam. Test 1 covers 3.5,4.3. Test 2 covers 5.1-5.6. Test 3 covers 6.1-6.8,7.2. Test 4 covers 7.3-4, 8.1,5,6, 9.1-4, 10.1. The Final Exam is

comprehensive. . Practice tests are available on the Course web site - <https://math.byu.edu/courses-services/math110-and-math111/>. All exams will be given in the testing center.

Test 1 will give you a pretty good idea of how well prepared you are for this course. We strongly encourage you to take it before the add/drop deadline, which is usually 1 week after the first day of classes. If you do poorly on the first exam and you do not drop the course, we encourage you to make plans that will enable you to spend a lot more time on this course than you typically would, and to get a tutor.

Grading:

On-Campus Daytime Sections: Homework is 15% of your final grade. The first midterm exam is 5%. The other three midterms are 15% each. The final exam is 25%. Quizzes are 10%.

Other Sections: Your instructor has some leeway. The quizzes might, or might not, contribute to your grade in the course. The weight placed on HW and on the exams will not be lower than it is for On-Campus Daytime sections, but it might be higher. Other factors might influence your grade. Communicate with your instructor.

Letter Grades: Your scores for homework, quizzes, tests, etc. will be added and averaged. Typically, letter grades are assigned approximately according to the scale below. However adjustments are frequently made, usually in the positive direction, to ensure that the average grade of all Math 110 students in a given semester remains approximately constant.

A: 93-100% A-: 90-92% B+: 87-89% B: 83-86% B-: 80-82% C+: 74-79%
C: 66-73% C-: 60-65% D+: 57-59% D: 53-57% D-: 50-52%

Technology: The focus in this course is on mathematics, not arithmetic. However some level of ability in arithmetic is necessary, both in this class and in life. The course web site describes the level of expertise in arithmetic that is expected of Math 110 students. If you are not able to do arithmetic at that level, you will have trouble with the exams.

You are allowed to use calculators on your homework, but not on any of the tests. We encourage you to not use calculators on your homework so that the process of doing homework is as much like taking a test as possible.

Below are some statements included at the suggestion of the University to inform you of expectations and of your legal rights and responsibilities relative to this class.

Learning Outcomes: See https://math.byu.edu/wiki/index.php/Math_110:_College_Algebra

Math 110 and General Education Requirements: Math 110 fulfills the Quantitative Reasoning requirement. The foundation document learning outcomes associated with the Quantitative Reasoning requirement is found at <http://ge.byu.edu/sites/default/files/FD%20quantitative%20reasoning.pdf?ver=1.1> .

Honor Code Standards

In keeping with the principles of the BYU Honor Code, students are expected to be honest in all of their academic work. Academic honesty means, most fundamentally, that any work you present as your own must in fact be your own work and not that of another. Violations of this

principle may result in a failing grade in the course and additional disciplinary action by the university.

Students are also expected to adhere to the Dress and Grooming Standards. Adherence demonstrates respect for yourself and others and ensures an effective learning and working environment. It is the university's expectation, and my own expectation in class, that each student will abide by all Honor Code standards. Please call the Honor Code Office at 422-2847 if you have questions about those standards.

Preventing Sexual Discrimination or Harassment

Sexual discrimination or harassment (including student-to-student harassment) is prohibited both by the law and by Brigham Young University policy. If you feel you are being subjected to sexual discrimination or harassment, please bring your concerns to the professor. Alternatively, you may lodge a complaint with the Equal Employment Office (D-240C ASB) or with the Honor Code Office (4440).

Students with Disabilities

If you have a disability that may affect your performance in this course, you should get in touch with the office of Services for Students with Disabilities (1520 WSC). This office can evaluate your disability and assist the professor in arranging for reasonable accommodations.