Math 1011 Q: Introductory College Algebra and Mathematical Modeling
Fall 2021

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Meeting times: MW 5-6:45 PM.

Office hours: The instructor is willing to stay after class to help students with the course material. The instructor can be available before class by appointment or if you see me on the building.

Textbook: *Intermediate Algebra, 7th edition*, by K. Elayn Martin Gay. Should be available online (eg. Amazon) or at UConn's bookstore.

Homework submissions: Homework should be stapled and done in a neat and workmanlike manner. Sloppy, unreadable or unstapled submissions will not be accepted. Homework should be done right after the material has been covered so that the student can ask the appropriate questions. Homework for a particular chapter will be collected when that chapter has mat

Grading policy: Regular quizzes: 90%, and Final exam: 10%. Grade conversion is as follows: A: 93%-100%, A-: 90%-92%, B+: 87%-89%, B: 83%-86%, B-: 80%-82%, C+: 77%-79%, C: 73%-76%, C-: 70%-72%, D+: 67%-69%, D: 63%-66%, D-: 60%-62%, F:0-59%.

Final exam: This class has a mandatory final exam. It is UConn policy that students are required to be available for the final exam and/or complete any assessment during the stated time. If you have a conflict with the time, you must obtain official permission to schedule a make-up exam with the Office of Student Support and Advocacy (OSSA). If permission is granted, OSSA will notify the instructor. Please note that vacations, previously purchased tickets, or reservations, graduations, social events, misreading the assessment schedule, etc. are not viable options for rescheduling the final exam.

Quiz policy: A 10 minute quiz will generally be given at least once per week, and may be unannounced. Quizzes will be given after the material has been covered and students have been given an opportunity to ask questions on the assigned homework problems. The homework will count as one quiz.

There will be at least 14 quizzes administered during the semester in which at least three of the lowest scores will be dropped and thus will not be counted toward the student's final grade. The policy of dropping the three lowest scores is intended to cover the cases when the student is ill, has personal emergencies or for whatever other reason they cannot satisfactory complete a quiz. ***Thus there will be no makeup quizzes. Quizzes without the student's name will not be graded and the student will be given a grade of 0 for that assignment.*** When doing the quiz problems, the student should show the appropriate work in solving the problem. Failure to do so may result in zero credit for that problem.

Homework (HW) policy: The assigned homework is a significant means to learn the course material and achieve success on the quizzes and final exam. You will not learn Algebra if you do not do the HW problems and/or if you use a calculator to solve the problem. ***There is no substitute for drill.*** At his point in your math career, the process is as important as the final answer. Collaboration on homework assignments is strongly encouraged. There is a good chance that quiz problems may be taken from the assigned HW problems.

Please note, when attempting to do the homework problems, the student may also better learn what they do not know and thereby be in a better position to ask appropriate questions in class. ***The instructor is more than happy to take***

class time to go over HW problems, that were either assigned or extra problems. *However, the students are expected to at least try to do the assigned problems before asking for extra help during class time.*

As the class/hw spreadsheet states the HW problems are every other odd problem (i.e. 1,5, 9, 13, 17…), however, you may want to do more than just the assigned work. Note, the answers are given at the end of the book.

Expectations: You are expected to attend all required classes, arrive on time and are responsible for everything that happens in class. This includes quizzes, projects and any course announcements. If you miss a class, you are expected to find out what happened from a classmate. You are also expected to work at least four hours per week outside class. ***Practice ensures success in Algebra!***

Academic honesty: The normal short quizzes and the final exam are an individual effort. Collaboration or other unauthorized sharing of information on these will be considered cheating and the student will be subject to the academic dishonesty policies of UConn. Note however, collaboration on HW is allowed and encouraged.

There may times when the instructor will give in-class assignments and may allow for collaboration between students.

Calculator policy: Except as specified by the instructor, ***calculators are not allowed during quizzes or exams***. All calculations required in these instances can be reasonably done by hand. You are strongly encouraged to not use calculators for the HW assignments, although in some cases, you may want to check your HW answers using one. ***You are expected to know your times/division tables for factors up to 12.*** Note all the odd numbered problems have the answers in back of the book.

Course progress: Expect the course to cover 2-5 sections/week. The accompanying spread-sheet schedule outlines the expected course progress. We will try to keep to this schedule, but there may be times when the instructor will deviate from the schedule.

General description of Math 1011Q: Math 1011Q is designed to serve as preparation for all other Q courses offered at UConn. It emphases two components, the mastery of each is important for success in any course employing mathematics. The first is made up of the collection of fundamental algebraic concepts and their manipulations. Most of this material is taught in high schools and community colleges under the name of Intermediate Algebra or Algebra II. The second component consists of using these algebraic concepts for solving problems from other disciplines. This basically is applications of algebra and is often called mathematical modeling. Math 1011Q is the permanent replacement for Math 101. Math 1011Q earns students 3Q credits which counts toward graduation.

Who should take Math 1011Q: All students whose high school algebra needs reinforcement. In particular, students who did not take a course in Intermediate Algebra prior to enrollment at UConn, or had taken such a course and obtained a grade of C or lower, or had not taken a course in mathematics for a number of years. This course should help you in all your other Q courses at UConn.