# Math 1010 - Syllabus

## University of Utah

## Fall 2009

# 1 Basic Information

**Instructor** - Patrick *Dylan* Zwick
Email - zwick@math.utah.edu
Phone - 801-651-8768 (Cell); 801-585-7663 (Office)
Office Hour - 11:50 AM to 12:50 PM; Thursdays.
Office - JWB (John Widtsoe Building), Room 105

**Class Meeting Time** - *MWF* 11:50 AM - 12:40 PM
Meeting Location - JWB (John Widtsoe Building) 335

**Review Session** - Tuesdays, 11:50 AM - 12:40 PM
Review Session Location - JTB (James Talmage Building) 310

**Textbook** - Algebra, 5th edition. By Larson. Brooks/Cole Pub., 2010

**Class Webpage** - http://www.math.utah.edu/~zwick/

# 2 Course Description

Math 1010 is an introductory algebra class, designed to be the first class in which you move beyond arithmetic to the mathematics of functions and equations. You are expected to know and understand basic arithmetic (addition, subtraction, multiplication, division, fractions, etc...) although we'll be reviewing these at the beginning of the class.

In this class we will study linear equations and inequalities, functions and their graphs, systems of linear equations, polynomials and factoring,

rational functions, radicals and complex number, quadratic equations and the quadratic formula, and exponentials and logarithms.

This class is designed to lay a foundation for any and all future mathematics or mathematics related classes that you may take, and also to prepare you for many of the mathematical situations you will encounter either in your professional or personal life.

## 2.1 Prerequisites

Math ACT score of 18 or higher (SAT: 430 or higher), or completion of MATH 950 - Elementary Algebra with a grade of C or higher (preferably B).

## 2.2 Supplements

You will need to get some graph paper for this class. A graphing calculator may be used occasionally in the textbook and you may use one on your homework assignments, but you may not use a calculator on any quizzes or exams.

## 2.3 Email

Be sure that you have your current email address on file with the university. I'll be sending out frequent class announcements by email, and they will go to the address you have registered with the university. Make sure to put your preferred email address on record righ away. You can do this through the Campus Information System, which you can access via the university's homepage.

## 2.4 Supplemental Instruction

The Supplemental Instruction Program, called SI for short, is offered in this course to provide organized study sessions. These sessions are free and open to all students in the course and are led by an undergraduate who has done well in this subject area. Your SI leader will be attending classes, reading the material, and doing any relevant assignments to be prepared for the SI sessions. The purpose of SI is to see that each of you

has the opportunity to do as well as you would like to in this course. In SI sessions, we will review, organize, and clarify the material from lectures, teach you ways to develop effective study skills for this course, and help you prepare for exams. Your SI leader will schedule 3 meetings per week convenient to the majority of your schedules. Attendance is voluntary, and you may attend as many or as few sessions as you like.

## 2.5   Additional Help

You can also get help in the department's math lab. The math lab is at the east end of the first-floor underground passageway connecting the two math buildings, JWB and LCB. Hours are 8:00 AM - 8:00 PM Monday through Thursday, and 8:00 AM - 6:00 PM on Friday. There you'll find plenty of peer tutors and graduate students who can help you with the material for free.

You can also arrange for private, individual tutoring through the math lab, although this may cost a little extra money.

## 2.6   Announcements and Additional Material

Information and additional material relating to this class, like a schedule, additional information about the tutoring lab, changes in the schedule, assignment and exam solutions, and daily announcements will be posted on the class webpage. That's where you should go to find out what's going on in class, and it will be updated frequently. Any administrative information I go over in class, and anything I hand out in class, will also be posted on the class webpage, along with other things (like solution sets) that I won't hand out in class but that you can download and print out if you need them.

## 2.7   Classroom Etiquette

As in any class, please use simple rules of etiquette. Try to arrive on time and wait until class is dismissed to leave. Turn off your cell phone and do not have private conversations during class. I expect that we're all adults here and so I won't have to bring this up again.

## 2.8 Students with Disabilities

The Americans with Disabilities Act requires that reasonable accommodations be made for students with physical, sensory, cognitive, systemic, learning, or psychiatric disabilities. Contact me now to discuss any accommodations that you may need for this course.

# 3 Homework, Exams, and Grades

## 3.1 Homework

There will be weekly homework assignments. I've decided not to use webworks and to instead do things the old fashion way. So, the assignments will be problems from the textbook. Each Wednesday I will announce in class the assigned problems for that week, and I will also post the assigned problems online. The assignments will usually be due a week after they're assigned, but occasionally these due dates might change as a result of vacations or the like. I will write up and post solutions two days after the assignment is due, and the assignments will be graded and returned within a week.

## 3.2 Exams

There will be weekly quizzes administered almost every Friday (except, of course, for some exceptions like during fall break or when we have an exam on Friday instead of a quiz). You will be allowed to drop your three lowest quizzes. The Friday quizzes will be on the material covered since the last quiz. Each will be 15 minutes long.

There will also be three 50 minute exams during the semester, and a two hour departmental final at the end of the semester. You will be allowed to drop one exam score.

You will not be allowed to make up quizzes or exams. Also, the use of notes, a calculator, the textbook, your neighbor, or anything besides what's in your brain is not allowed on the quizzes, exams, or final.

## 3.3  Grades

The grade breakdown for the class will be:

Homework - 25%
Quizzes - 25%
Exams - 20%
Final - 30%

You're allowed to drop your lowest exam score, and if your final is better than your second lowest, I'll count the final for 40% of your final grade, and I'll only count your highest exam for 10%.

## 3.4  Grading Scale

93 - 100 : A
90 - 92 : A-
87 - 89 : B+
83 - 86 : B
80 - 82 : B-
77 - 79 : C+
73 - 76 : C
70 - 72 : C-
67 - 69 : D+
63 - 66 : D
60 - 62 : D-
0 - 59 : E

Note that I reserve the right to curve or modify this grading scale, although it's unlikely I will. I do guarantee that I won't under any circumstances make the grading scale more difficult. So, for example, no matter what if you have a percentage between 80 and 82 you'll be getting *at least* a B-.