

Syllabus for Math 130 - Spring 2020

Math 130 Section 1 CRN 46756

Instructor Dr. Zack Judson **Email** judsonzack@fhda.edu

Required Materials

1. **INTERMEDIATE ALGEBRA, 7th Edition BY BLITZER**
2. **Student Access Code to MyMathLab (Required)**
3. **A Scientific Calculator (i.e. TI-30XIIS)**

Office Hours

My office hours will be held Monday through Friday from 8:30 to 9:20 am. Due to our current status, these office hours will be held online. During this hour I will answer questions of a personal nature over email, and I will answer math questions on the office hour discussion board on Canvas. Please be aware that I will be monitoring 3 different discussion boards during this time, so it may take some time to cycle through your questions. When asking math questions, please be specific. **Do not just reference a problem number.**

Accommodations

Those of you who need additional accommodations, due to disability, campus-related activities, or some other reason, please meet with me during the first two weeks of class to discuss your options.

Homework

Homework will be assigned daily. Assignments will become available the day before we go over the material in class. It will be due at the start of class two days after it is assigned (i.e. the day after we cover the material in class). Homework will represent 20% of your grade. Homework will be assigned using the online platform **MyMathLab**. Our course ID is **judson61277**.

Group Work

Almost every day we will have group work. We will use zoom breakout rooms to work in groups. These groupwork sessions will represent 20% of your grade. This work will largely be graded based on effort. There will be no make-up group work allowed. If you are going to miss class for any reason you must inform me by email. Be sure that your email contains the date of the absence and your reason for missing class. Emails should be sent prior to the date missed. Due to some circumstances this may not be possible and the email must then be sent at the earliest opportunity.

Exams

This course will consist of 4 midterms, each of which will represent 10% of your grade. These exams will be taken synchronously, that is to say they will take place during our class meeting time. The exams will be given at the scheduled dates and times with no make-ups. If an exam is missed under extreme circumstances and for a very valid reason, something will be arranged.

Final Exam

A two hour comprehensive final exam will be given on Tuesday, June 23 from 9:15 to 11:15 am. The final will be worth 20% of your grade.

Important Dates

April 25	Last day to add a class
April 26	Last day to drop a class
May 8	Last day to request Pass/No Pass grading option
June 5	Last day to drop with a "W"

Tentative Schedule

Week 1

April 13	Introductions.
April 14	Simplifying Algebraic Expressions
April 15	Linear Equations
April 16	Introduction to Models
April 17	Linear Inequalities

Week 2

April 20	Properties of Exponents
April 21	Radicals, Roots, and Rational Exponents
April 22	Arithmetic with Square Roots
April 23	Quadratic Equations
April 24	Graphing Equations

Week 3

April 27	Introduction to Functions
April 28	Graphs of Functions
April 29	Question and Answer Session
April 30	Midterm 1
May 1	Linear Functions

Week 4

May 4	Linear Models
May 5	Graphing Linear Equations
May 6	Slope
May 7	Systems of Linear Equations
May 8	The Substitution Method

Week 5

May 11 The Elimination Method
May 12 Applications of Systems of Equations
May 13 Applications involving Percents
May 14 Question and Answer Session
May 15 Midterm 2

Week 6

May 18 Exponential Functions
May 19 Exponential Models
May 20 Exponential Growth and Decay
May 21 Logarithmic Functions
May 22 Properties of Logarithms

Week 7

May 25 Memorial Day No Class
May 26 Exponential Equations
May 27 Exponential Models Revisited
May 28 Question and Answer Session
May 29 Midterm 3

Week 8

June 1 Introduction to Polynomials
June 2 Greatest Common Factors
June 3 Factoring Quadratic Trinomials
June 4 Factoring Shortcuts
June 5 Factoring Quadratic Binomials

Week 9

June 8 Polynomial Equations
June 9 Applications of Polynomials
June 10 Rational Expressions
June 11 Arithmetic with Rational Expressions
June 12 Graphing Quadratic Functions

Week 10

June 15 Maximums and Minimums
June 16 Question and Answer Session
June 17 Midterm 4
June 18 Review
June 19 Question and Answer Session

Week 11

June 25 Tuesday FINAL 9:15-11:15 am

Student Learning Outcome(s):

*Evaluate real-world situations by applying linear, quadratic and exponential function models appropriately.

*Distinguish between and manipulate linear, quadratic and exponential models.