

Syllabus for Math 42-Spring 2020

Math 42 Section MP1 CRN 46125

Instructor Dr. Zack Judson

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Prerequisite Math 41 or an equivalent course

Required Materials

1. “Algebra and Trigonometry” by OpenStax (available for free online)
2. XYZ Homework (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 when we start each new section of the book. It will be due at the start of class two days after we complete the section in class. Homework will represent 15% of your grade. Homework will be assigned using the online platform **XYZHomework**. Create an account at xyzhomework.com. Our course number is **23827**. XYZHomework is working with students during this pandemic. As such you should not need to purchase anything. The no cost student access code is **XYZ2020**.

Exams

There will be 4 midterms throughout the quarter. Each of these exams will be worth 10%. These exams will be given during normal class time and you will be limited to 90 minutes for the exam. The exams will also take place on XYZHomework. 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 Thursday, June 25 from 9:15 to 11:15 am. This exam will also take place on XYZHomework. The final will be worth 25% of your grade.

Labs

To help prepare you for the increased rigors of calculus we will be introducing lab assignments this quarter. The intention behind lab assignments is to encourage students to think more deeply about the material. These labs will be worked on in groups of three or four. Labs will account for 5% of your total grade. Each member will submit their own lab which will be graded individually. In addition you will be graded on your communication in your lab group discussion board. For this portion you will be graded based on both your questions and your answers to the questions of others.

Lecture

We will be meeting on zoom starting at 10:30 every day. The first hour will be dedicated to lecture and answering student questions. This is new territory for many of us, myself included, so we will be more formally separating lecture from the groupwork. At the end of lecture we will log off of our zoom meeting and then log onto our groupwork session at 11:30.

Group Work

Every day (except for exam days) we will log into a separate zoom session at 11:30 to work on our groupwork. We will use zoom breakout rooms to work in groups. These groupwork sessions will represent 15% 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.

Tentative Schedule

Week 1

April 13	Introductions.
April 14	Chapter 7.1
April 15	Chapter 7.1
April 16	Chapter 7.2
April 17	Chapter 7.2

Week 2

April 20	Chapter 7.3
April 21	Chapter 7.3
April 22	Chapter 7.4
April 23	Chapter 7.4
April 24	Review of Chapter 7

Week 3

April 27	Question and Answer Session
April 28	Midterm 1
April 29	Chapter 8.1
April 30	Chapter 8.1
May 1	Chapter 8.2

Week 4

May 4 Chapter 8.2
May 5 Chapter 8.3
May 6 Chapter 8.3
May 7 Review
May 8 Question and Answer Session

Week 5

May 11 Midterm 2
May 12 Lab 1
May 13 Chapter 9.1
May 14 Chapter 9.1
May 15 Chapter 9.2

Week 6

May 18 Chapter 9.2
May 19 Chapter 9.3
May 20 Chapter 9.3
May 21 Chapter 9.5
May 22 Chapter 9.5

Week 7

May 25 Memorial Day No Class
May 26 Review Lab 1 due.
May 27 Question and Answer Session
May 28 Midterm 3.
May 29 Lab 2

Week 8

June 1 Chapter 10.1
June 2 Chapter 10.1
June 3 Chapter 10.2
June 4 Chapter 10.2
June 5 Chapter 10.3

Week 9

June 8 Chapter 10.3
June 9 Chapter 10.5
June 10 Chapter 10.5
June 11 Chapter 10.8
June 12 Chapter 10.8

Week 10

June 15 Review Lab 2 due
June 16 Question and Answer Session
June 17 Midterm 4
June 18 Review
June 19 Question and Answer Session

Week 11

June 25 **Thursday FINAL 9:15-11:15 am**

Student Learning Outcome(s):

*Formulate, construct, and evaluate trigonometric models to analyze periodic phenomena, identities, and geometric applications.