

Online Intermediate Algebra Syllabus

Instructor: Sarah Kovacs

Course: Math 52

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Office Hours:

M/W 1:30-2:20

T 12:00-1:50

TH 2:00-2:50 (Online)

I will begin with 3 things:

One Everything is going to be ok. Some of you may have some concerns about taking a *Math* class. This is not going to be torture. I am not here to fail you or humiliate you. This is going to be a positive mathematical experience, even if you think you are “bad” at math.

Two Math can be enjoyable. You may even have fun in this class. I have made it a personal goal to help my students see that math can be interesting and sometimes even enjoyable.

Three Considering one and two, are you thinking this class is going to be a breeze? NOPE! Succeeding in math takes a great deal of work. I will do everything I can to help make this a positive mathematical experience for all of you, but in the end it is mostly on your shoulders. Online courses take even extra motivation to keep on track. Expect to put in **at least 20 hours** a week watching videos, doing homework or studying. You can succeed but you need to put in a real effort.

Topics covered:

Fundamental operations of algebra; linear and quadratic equations and inequalities; exponents and polynomials; rational expressions; radicals and fractional exponents; graph of a straight line; linear and quadratic system of equations; conic sections; exponential and logarithmic functions.

Student Learning Outcomes: 1. Demonstrate understanding of logarithmic Properties 2. Perform operations on rational expressions 3. Analyze and graph a quadratic function 4. Solve a problem involving exponential equations 5. Solve a problem involving quadratic equations 6. Perform operations on radical expressions

Prerequisite: Math 101 with a grade of C or better or equivalent

Required Resources:

- Text: *Beginning & Intermediate Algebra with the MyMathLab Access code* by Elayn Martin-Gay, Pearson/Prentice Hall, 6th ed.
- Scientific Calculator

Structure of Course:

In place of traditional lectures, you will need to watch the instructional videos posted on MyMathLab. Each section has several video examples of relevant mathematical concepts. You need to watch every video posted on MyMathLab in the “Math 52 Videos” tab. Each week there will be a random message in one of the videos that you will use to answer the secret question on the quiz, to ensure you are watching the videos. After watching the videos, you will complete online homework on MyMathLab. After completing the homework (you need a score of above 75%), you will take an online quiz, also on MyMathLab. There are also many other useful resources on MyMathLab that you can use before or after completing homework or quizzes. There will be three **on campus** tests, two exams and the final, that are **required** for the completion of this online course.

Grading

Homework 15%	Above 90% A
Quizzes 15%	80%-90% B
Portfolio 4%	70%-80% C
Exams 36%	60%-70% D
Final 30%	Below 60% F

Homework

Homework is done online on the MyMathLab site. Homework is assigned weekly to be completed by midnight of the following Monday. You can repeat each homework assignment to improve your score.

You must write your work from solving the homework on paper. You will be turning in this scratch work in your math portfolio. I will be dropping your two lowest homework scores.

Expect a lot of homework. Trying the math yourself is the only way to learn. This may take more time for some than others but everybody should expect at least 5 hours of homework each week.

Quizzes

You will need to take a weekly online quiz covering the material studied on the videos and homework. Quizzes will be taken on the MyMathLab website. You need to achieve a 75% on your homework before you can start the quiz. Quizzes will need to be completed by midnight on Monday of the following week. You may only take each quiz once, so you will want to prepare before beginning each quiz. You will need to keep your scratch work from your quizzes in the math portfolio. You will have a maximum of 75 minutes to complete each quiz. I will be dropping your two lowest quiz scores.

Math Portfolio

You need to keep all of your scratch work while doing homework and quizzes. Organize your work in a math portfolio. You will also need to include corrections from your previous exam in the math portfolio. You will turn in this math portfolio three times during the semester at the exams and the final.

Exams

You will need to come onto one of the campuses twice for exams. The exams are **Thursday Feb 28th and April 18th**

Studying for the exams will help you bring together all the material we have covered in a certain period of time. Please don't let the exams stress you out. We will review. With adequate effort everyone can be successful on the exams.

Final

The final is comprehensive. We will review, there are sample finals, and I will do everything in my power to help all of you succeed. If you do your homework, study, and put in the required effort, the final will go well for you.

The final is Wednesday May 15th 2:00-3:50. No exceptions!

Tentative Schedule		
Week #	Dates	Section Numbers
1	Jan 14 th -18 th	Review
2	Jan 22 nd -25 th	6.1-6.4
3	Jan 28 th -Feb 1 st	6.5-6.7
4	Feb 4 th -8 th	7.1-7.3
5	Feb 11 th -15 th	7.4-7.6
6	Feb 19 th -22 nd	7.7 & 8.4 & 10.1
7	Feb 25 th -March 1 st	Review
Exam 1 (Ch 6 & 7 & 8.4) Thursday Feb 28th		
8	March 4 th -8 th	10.2-10.4
9	March 11 th -15 th	10.5-10.7
10	March 18 th -22 nd	11.1-11.3
11	March 25 th -29 th	11.4-11.6
Spring Break April 1st-5th		
12	April 8 th -12 th	13.1 & 12.1/12.2
13	April 15 th -19 th	Review
Exam 2 (Ch 10 & 11) Thursday April 18th		
14	April 22 nd -26 th	12.3-12.5
15	April 29 th -May 3 rd	12.6-12.8
16	May 6 th -10 th	Review
Final Wednesday May 15th 2:00-3:50		

Attendance Policy:

- Students must register with MyMathLab by Friday Jan 18th or they will be dropped from the course.
- Students must show evidence of regular participation in the course by completing weekly homework assignments and quizzes. Participation is evident by completing atleast 50% of each homework assignment. If a student does not show minimum participation for two consecutive weeks, they will be dropped from the course.

Academic Integrity

- All assignments are to be completed by the student registered for the course.
- Working together on homework is encouraged. Copying is plagiarism and is forbidden.
- Cheating on tests is a serious offense. If you are caught cheating you will receive a score of zero and be reported to the vice president. Repeated incidents of cheating can lead to expulsion.

Communication:

- Students can communicate with the instructor through: online office hours, yccd email, canvas messaging, office phone, or “Ask my Instructor” on MyMathLab.
- The instructor will respond to student contact within 24 hours.
- The instructor will post announcements on Canvas and MyMathLab. The instructor will also regularly send out announcement emails through Canvas and MyMathLab (sent to the email that students used for MyMathLab).
- Students can communicate with other students through Canvas messaging and Canvas discussions.
- The instructor will regularly monitor the Canvas discussions to provide additional support to students.

Special Needs:

- If any special needs (related to health issues, disabilities, etc.) are required, please contact me as soon as possible to discuss a plan for meeting these needs. This includes the use of MyMathLab – if your disability prevents you from utilizing this platform, let me know and I will work with you to find an alternative that is accessible to you.