

COURSE SYLLABUS

CONTACT

INFORMATION

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Office Hours: MW 10-11:00am
F 12-1:00pm

Math Study Center Hours:

MT 9:00-10:00am

INSIDE THIS SYLLABUS:

Attendance Policies 2

Assignments & Exams 2

Academic Honesty 2

Grading Policy 3

Available Resources 3

Special Accommodations 3

Important Dates 4

Calendar 4-6

Welcome

Welcome to Math 103 at Reedley College! I hope you are excited to start a new semester and I look forward to working with you. Over the course of the semester you will likely experience ups and downs. But you are not in this alone so take every opportunity to get to know me and other students in class. Persistence, hard work, and a good support system are key. If you put in the time and effort I know you will be able to succeed in this course!

Course Description

This course is designed to provide students with a strong foundation in algebra, graphing, and problem-solving skills. This course will cover many algebraic concepts including: equations and inequalities in two variables, rational exponents and roots, quadratic functions, exponential and logarithmic functions, and conic sections.

Advisories: ENGL 126 Eligible

Prerequisites: Math 201 or equivalent

Course Materials



⇒ My Math Lab access code

⇒ Calculator (TI30XIIS recommended)

Recommended Apps/Websites

⇒ Canvas

⇒ iTunesU

⇒ Khan Academy

⇒ Desmos

Student Learning Outcomes

Upon completion of this course, students will be able to:

1. simplify and/or factor mathematical expressions into forms more conducive to analysis.
2. solve equations introduced in Intermediate Algebra (linear, quadratic, exponential, logarithmic, and radical).
3. graph functions and relations introduced in Intermediate Algebra (linear, quadratic, exponential, logarithmic, and radical).
4. apply Intermediate Algebra topics (linear, quadratic, exponential, logarithmic, and radical functions) to solve real-life problems.

Course Objectives

In the process of completing this course, students will:

1. use the properties of lines and linear inequalities, and apply operations on functions
2. simplify radical and complex expressions and perform operations on them
3. solve quadratic equations using various techniques including factoring and quadratic formula, and graph parabolas
4. apply the properties of exponents and logarithmic functions to change the base of a logarithm
5. manipulate and graph equations of conic sections
6. optional Topics (if time permits): generalize arithmetic and geometric sequences and find the kth term of a binomial expansion.



Attendance and Participation

I know you all have busy lives outside of this class but regular class attendance is expected. It is your responsibility to withdraw from the class with Admissions and Records if you find that you can no longer attend or possibly receive an F.

You **may** be dropped for excessive tardiness or after 4 absences.

If you reach 8 absences, for **any reason**, you will be dropped from the class.

Being an active participant in class is key to your success. Therefore, If you are tardy, leave early, or leave class and return later, this will affect your attendance count, as will doing unrelated work, homework or using electronic devices during class. (i.e. cell phones, MP3 players, etc.)

You will be considered late if you arrive after attendance has been taken.

Each tardy is equal to one half of an absence, i.e. 2 tardies = 1 absence

If you do not sign the attendance sheet you will likely be marked absent.

“I have discovered a truly marvelous proof of this, which however the margin is not large enough to contain.”
-Pierre de Fermat
(referring to his ‘last theorem’)

Assignments & Exams

In-Class Activities, Worksheets and Practice Exams

Periodically you will be working in groups on in-class activities that will be required to be turned in at the end of class or at the next class meeting for credit. **In-class activities and worksheets cannot be made up if you are absent for any reason.**

Homework

Homework is assigned on Friday each week and is due on My Math Lab the following Wednesday. To use My Math Lab you will need to purchase an access code.

You are not required to purchase a textbook for this course.

Late Work

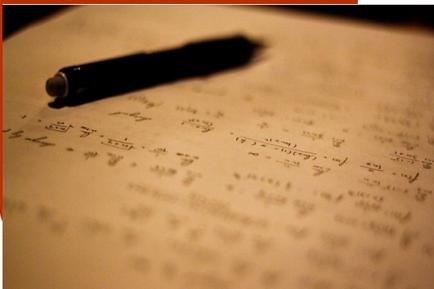
Turning an assignment in late for **any reason** will result in a 40% point reduction. No late

homework will be accepted after the final exam. Late extra credit assignments will not be accepted.

Tests

There will be five tests and a cumulative final exam in this course. **No make-ups will be allowed for exams.** If absent on the day of an exam, **one** missed exam score will be replaced with your final exam percentage.

Academic Honesty



Students at Reedley College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share the responsibility to ensure that this education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors.

Academic dishonesty in any form is a very serious offense and will incur serious consequences, including but not limited to receiving a grade of F on the assignment or in the course. For the college policy on cheating and plagiarism see the college catalog.

Grading

Grading Scale:

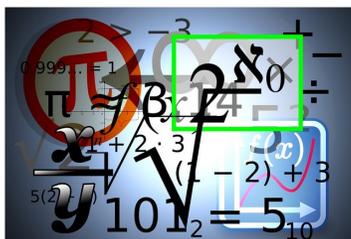
A	89.5% - above
B	79.5%-89.4%
C	69.5%-79.4%
D	59.5%-69.4%
F	59.4% and below

Grading:

50% Tests
15% Final Exam
25% Homework
10% Quizzes, In-Class Activities, Worksheets and Practice Exams

Finding your Grade:

I will be tracking your grades and attendance on Canvas. I strongly recommend you check it regularly for accuracy so there are no surprises at the end of the semester. Please note, My Math Lab homework scores must be synced with the Canvas Gradebook by me manually. They are not synced automatically or immediately.



“Do not worry to much about your difficulties in mathematics, I can assure you that mine are still greater.” - Albert Einstein

Resources

Other Students in Class

I strongly encourage you to form study groups of 3 to 5 students and work together outside of class. It is more productive and enjoyable to work with others when studying. In addition, it is helpful to have a classmate you can call to get missed work and notes if you are absent.

Your Instructor

I will be happy to help you at the beginning of class or in my office. My office hours are listed at the beginning of this syllabus. If you cannot come during my office hours you can make an appointment to come at a different time. You may also ask questions through email, the Canvas discussion board and app.

Math Study Center, FEM 1

The STEM Math Study Center is a free tutoring resource available to all Reedley College math students. The MSC offers drop-in tutoring facilitated by our math faculty and well-qualified student tutors. The MSC has 20 computers and online access available to students with online math homework.

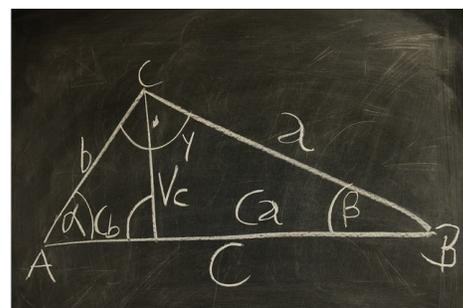
Open M-Th 8am-4pm, F 8am-12pm

Accommodations for Students with Disabilities

Disabled Students Programs & Services (DSP&S) is designed to provide specialized services and accommodations that assist students with documented physical, psychological and learning disabilities reach their maximum potential while achieving their educational goals. Staff specialists interact with all areas of the campus to eliminate physical, academic and attitudinal barriers. Disabled Stu-

dents Programs & Services takes a personal interest in meeting the special needs of students with disabilities.

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic tex, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.





Important Dates *

January 9	(M)	Start of Spring 2017 semester
January 9 - March 10	(M-F)	Short-term classes, first nine weeks
January 16	(M)	Martin Luther King, Jr. Day observance (no classes held, campus closed)
January 20	(F)	Last day to drop a Spring 2017 full-term class for full refund
January 27	(F)	Last day to register for a Spring 2017 full-term class in person
January 27	(F)	Last day to drop a Spring 2017 full-term class to avoid a "W" in person
January 29	(SU)	Last day to drop a Spring 2017 full-term class to avoid a "W" on WebAdvisor
February 17	(F)	Lincoln Day observance (no classes held, campus closed)
February 20	(M)	Washington Day observance (no classes held, campus closed)
March 13 - May 19	(M-F)	Short-term classes, second nine weeks
April 10-13	(M-Th)	Spring recess (no classes held, campus open)
April 14	(F)	Good Friday observance (no classes held, campus closed) (classes reconvene April 17)
May 15-19	(M-F)	Spring 2017 final exams week
May 19	(F)	End of Spring 2017 semester/commencement



Tentative Calendar

JANUARY

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9 Semester Begins	10 Algebra Review	11 8.1	12 8.1	13 8.2	14
15	16 <i>No School</i>	17 8.2	18 8.2	19 8.3	20* 8.3	21
22	23 8.4	24 8.4	25 8.5	26 8.5	27* Review	28
29*	30 Exam 1	31 9.1				

FEBRUARY

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 9.1	2 9.2	3 9.2	4
5	6 9.3	7 9.3	8 9.3	9 9.4	10 9.4	11
12	13 9.4	14 9.5	15 9.5	16 9.6	17 <i>No School</i>	18
19	20 <i>No School</i>	21 9.6	22 Review	23 Exam 2	24 10.1	25
26	27 10.1	28 10.2				

MARCH

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 10.2	2 10.3	3 10.3	4
5	6 10.4	7 10.4	8 10.5	9 10.5	10 10.6	11
12	13 10.6	14 Review	15 Exam 3	16 11.1	17 11.2	18
19	20 11.2	21 11.3	22 11.4	23 11.5	24 11.5	25
26	27 11.5	28 11.6	29 11.6	30 Review	31 Exam 4	1

APRIL

Sun	Mon	Tue	Wed	Thu	Fri	Sat
2	3 12.1	4 12.1	5 12.1	6 12.2	7 12.2	8
9	10 <i>Spring Break</i>	11	12	13	14	15
16	17 12.3	18 12.3	19 12.4	20 12.4	21 12.4	22
23	24 12.5	25 12.5	26 12.5	27 12.6	28 12.6	29
30						

MAY

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 Review	2 Exam 5	3 13.1	4 13.2	5 13.2	6
7	8 13.3	9 13.4	10 Ch 13 Review	11 Review	12 Review	13
14	15 Final Exam 1-2:50pm	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			