Math 103-55379, 95379, 55382, 95382 Intermediate Algebra   **REEDLEY COLLEGE**
Mr. Jim Gilmore   Spring 2017
Office: FEM-1M
Office Hours: M, T, W 11:00-11:50
Meeting Rooms: FEM 4
E-Mail: jim.gilmore@reedleycollege.edu   **Meeting Days:** Daily

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Welcome to Intermediate Algebra
I look forward to spending the semester with you. Over the semester, you will experience a range of feelings, including: success and failure; challenge and boredom; accomplishment and frustration. Please know that I and your fellow students will be here to help you through it. Having persistence, working hard, putting in time and effort will help you succeed.

As your instructor, I will do what I can to give you the resources and support to help you succeed. Please reach out to me if I can help you.

There are many excellent resources available to you on our campus. Other students in class are a good resource and I would encourage you to form small groups to study and do homework together. If you have an unanswered question, come by my office (FEM 1M) which is in the FEM building located in the Math Center. I am available on Monday, Tuesday, and Wednesday from 11:00-11:50.
Other available resources are:
- The Math Center in the FEM building, room 1. Hours: M-Th 8:30 AM - 4:00 PM and F 8:30 AM - 1:00 PM. (559) 638-0300 ext. 3158

What is the STEM Math Study Center?
> The STEM Math Study Center is a free tutoring resource available to all Reedley College math students. The services available in the MSC are focused on increasing our students' ability to understand and enjoy mathematics. We hope to bridge the gap that keeps our students from pursuing majors and careers in math-related fields. The MSC has a study area in which students can receive services or study alone. In addition to its study area, the MSC contains the offices of most of our mathematics instructors.

What services are available in the STEM Math Study Center?
> 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. The MSC offers workshops on specific math topics throughout the semester to enhance and augment the math education offered to students. The MSC offers bilingual tutoring to Spanish speaking students.

How can I use the STEM Math Study Center?
> To use the MSC, students must enroll in INTDS 300, a non-credit course. Enrollment forms are available in the center. Once enrolled in the class, students need only to log-in to the MSC computer when they arrive and log-out when they leave.

- Tutorial Learning service located in the library, LRC room 111. Their hours are M-Th 8:00 AM- 5:00 PM and F 8:00 AM - 3:00 PM. Phone (559) 638-0358.
- MyMathLab has many excellent videos, the entire book, and a help me feature
- YouTube also has many good videos for help.

Course Description: This course will deal with many algebraic concepts, including equations and inequalities in two variables, rational exponents and roots, quadratic functions, exponential and logarithmic functions, and conic sections.

Basic Skills Advisories: Eligibility for ENGL 126

Subject Prerequisites: Math 201 or Equivalent

TEXT: (Optional) George Woodbury, <u>Elementary and Intermediate Algebra,</u> Pearson/Addison Wesley, 4th Edition, 2015.

Notes: Notes for this class will be available in the bookstore and are **required in class each day**. Please have the notes for the class at the end of the first week or you will be dropped.

Required Web Access: MyMathLab can be purchased from the bookstore with text or from www.coursecompass.com . To register and do homework for MyMathLab, you must access it through Canvas.

ATTENDANCE: Everyone can learn math, but don't do it alone! Come to class! In class we will be working on developing your understanding of key concepts and we'll be doing a lot of problem solving. Participating in class activities will help prepare you for exams and is truly an integral part of your learning process. Complications can arise during the semester that can impede making it to class on time or even attending, whether that is due to a traffic delay, a child being ill, or missing your ride. If you miss class, before you do anything else contact me by email. You can watch the video of the class and keep up with your notes. If you have trouble with anything in the notes or video, get help in the Math center, tutorial and learning services center, my office, or a friend. It is important that you know the absence policy. If you miss three classes you may be dropped. You are expected to attend all class meetings, be on time, and be in class the <u>entire</u> class session. Calling me to tell me you will be absent **does not** excuse you. If you decide to drop the course, it is **your** responsibility to make the drop official in the Administrations and Records office or else possibly receive a grade of **F.**

Behavioral Standards: Your classmates and I would greatly appreciate that you take care of any personal needs (i.e., using the restroom, getting a drink, sharpening a pencil) before class begins. Please turn your phone off, put it out of sight, and remove any earbuds when you come into class. You may **not** use your phone as a calculator. I would appreciate that you not bring guests to class.

NOTE:　　The drop deadline is **March 10**.

HOMEWORK: Homework is done using MyMathLab on the computer. **NO LATE HOMEWORK WILL BE ACCEPTED!** Students must be enrolled and satisfactorily completing homework by the end of the first week or they will be dropped. When a student has not satisfactorily completed 3 homework assignments they will be dropped. You are required to get 90% on an assignment before moving to the next assignment. Any papers collected in class must be on 8.5 inches by 11inches paper. No Frilly edges and stapled!

TESTS: There are no makeup exams for missed tests.

GRADING:
- *Homework*: All of your homework scores will be worth the same percentage. So homework worth 10 points and homework worth 15 points will count the same. Your Homework is worth 24% of your overall grade, 4% for each chapter.
- *Online Tests:* All of your online test percentages will be averaged. The online tests are worth 5% of your overall grade.
- *In Class Tests*: All of your in-class test percentages will be averaged. Your in class tests are worth 71% of the overall grade.

Example: If the homework grade is 80%, your online test grade is grade is 85%, and your in-class test grade is 70%, then you would compute your grade as follows:

$$(80 \cdot 0.24) + (85 \cdot 0.05) + (70 \cdot 0.71) = 73.15\%$$ This would give you a grade of "C."

Percent of Total Points	Grade
89-100	A
78-88	B
68-77	C
60-67	D
0-59	F

WHERE TO FIND YOUR GRADE:
- Canvas – Grades.

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

Academic Integrity
You are expected to be honest. In this course, that primarily means you should never submit work in MyMathLab that is not your own. This does not mean that you are not allowed to work with other students. I encourage you to collaborate on homework problems! It is often more fruitful and enjoyable to work with other people when trying to figure something out. They can give you a fresh insight or different perspective on the problem. Conversely, explaining your idea to another person forces you to clarify your thoughts and can help to highlight flaws you may have previously overlooked. However, if you work with others to come up with a solution, afterward you should write up your work on your own. You should not base your homework on another's student's homework, and never put your name on something you do not understand.

Below is the official School policy on academic dishonesty, cheating and plagiarism.

Academic Dishonesty

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.

Cheating is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another's work, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

Plagiarism is a specific form of cheating: the use of another's words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights.

Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may range from a failing grade on a particular examination, paper, project, or assignment in question to a failing grade in the course, at the discretion of the instructor and depending on the severity and frequency of the incidents.

Course Objectives

In the process of completing this course, the student will:

A. Use the properties of lines and linear inequalities, and apply operations on functions.
B. Simplify radical and complex expressions and perform operations on them.
C. Solve quadratic equations using various techniques including factoring and quadratic formula, and graph parabolas.
D. Apply the properties of exponents and logarithmic functions to change the base of a logarithm.
E. Manipulate and graph equations of conic sections.
F. Optional Topics (if time permits) Generalize arithmetic and geometric sequences and find the kth term of a binomial expansion.

Course Outcomes

Upon completing this course students will demonstrate the ability to:

A. Simplify and/or factor mathematical expressions into forms more conducive to analysis.
B. Solve equations introduced in Intermediate Algebra (linear, quadratic, exponential, logarithmic, and radical).
C. Graph functions and relations introduced in Intermediate Algebra (linear, quadratic, exponential, logarithmic, and radical).
D. Apply Intermediate Algebra topics (linear, quadratic, exponential, logarithmic, and radical functions) to solve real-life problems.

COURSE CONTENT OUTLINE:

A. Equations and Inequalities in Two Variables
   1. Slope of a line
   2. The equation of a line
   3. Linear inequalities in two variables
   4. Operations on functions

B. Rational Exponents and Roots
   1. Rational exponents
   2. Simplified form for radicals
   3. Arithmetic operations on radical expressions
   4. Equations with radicals
   5. Complex numbers

C. Quadratic Functions
   1. Quadratic equations
   2. Graphing parabolas

D Exponential and Logarithmic Functions
   1. Exponential Functions
   2. The Inverse of a function
   3. Logarithms and their properties
   4. Exponential and logarithmic equations and change of base

E. Conic Sections
   1. Circle
   2. Ellipses and Hyperbolas

F Optional Topics (if time permits)
   1. Quadratic Function
   2. Quadratic inequalities
   3. Second-degree inequalities and non-linear systems

G. Sequences and Series
   1. Arithmetic and geometric sequences
   2. Series
   3. Binomial Expansion

Important Dates

January 9	Class Begins
January 16	Martin Luther King Day
January 30	Last day to drop and avoid a "W"
February 17-20	President's Day
March 10	Last day to drop and not receive a grade
April 10-14	Easter
May 17 (Wednesday)	8:00 Class Final 8:00-9:50
May 15 (Monday)	9:00 Class Final 9:00-10:50

The final is a test. Be sure you plan to be there!

How to Send an Email to Mr. Gilmore

Read the syllabus. Often, the question you would like to ask has already been answered in the material I have provided for you.

Use your Reedley College email. I am deluged with emails every day, and by using your school account, you'll have a better chance of avoiding the spam filter. Last semester I received about 800 emails from students.

Your Subject line should be the class name and time of the class only.

- Example: Math 103 8:00 AM

This information helps me organize and prioritize student emails. The section information is especially important since I often teach multiple sections of the same course.

Always use a greeting. Do not begin with "Hey" or similar colloquialisms. You should use "Dear Mr. Gilmore:"

Briefly and politely state the reason you are emailing. Offer only as much information as is relevant to the situation. Get to the point right away.

- Name the assignment or projects you are referring to instead of using pronouns or phrases, such as "this assignment".

- Example: Homework problem number 7 in section 7.1.

If you are emailing with a problem, suggest a solution. Be considerate, however, of how your solution might create additional work for me.

Sign it with your name and your student ID number (but never your Social Security number). Use your first and last name, even if you know that I know you.

Your email should be professional. It is important to use punctuation, capitalization, and complete sentences in all email correspondence to me.

Read it over. If you do not have spell-check on your email, then you can copy the message, paste it into a word-processing program, and run spell-check there. Consider not only the mechanics, but also what you have said. Strive for a polite tone, concise language, and clear purpose.

- **Allow adequate time for a reply.** Follow up if more than a few days have passed and you have not gotten a response, then it is appropriate to politely ask if I received your email and had time to consider what you wrote.

If you are simply sending me information then I may not consider a reply necessary. In this case, you are done.
Example: "I have the flu and will not be in class on Tuesday, but Sue will turn my paper in for me."

If your issue is not resolved then consider an office visit.

Often the tone in emails cannot be properly judged. Rather than becoming upset, a visit in person can often remedy the situation.

To...	Jim Gilmore
Cc...	
Bcc...	
Subject:	Math 103 8:00

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Dear Mr. Gilmore:

I will not be in class on Tuesday because I am not feeling well tonight. I will ask John Smoltz to take notes for me. I will also watch the video that is located in Blackboard and then do the assigned homework in CourseCompass.

Greg Maddux
0123456