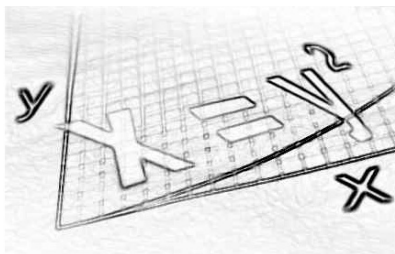


Intermediate Algebra

Fall 2016

Mathematics 103

Section # 58531



Instructor: Dr. John Heathcote
Office: FEM – 1B (in the math center) **Class Times:** TTh 1:00-3:15 pm
Classroom: SOC-31

Phone: 638-3641 ext. 3215

e-mail: john.heathcote@reedleycollege.edu

Office Hours: Monday, 10:00-10:50AM, 1:00-1:50PM
Wednesday, 10:00-10:50AM
Friday, 10:00-10:50AM

On-Duty in the RC Math Center (FEM-1): Friday, 11:00-11:50 AM

Canvas Course Site: All course materials (and links to recorded class lectures) will be available on the course management site on Canvas. You can access Canvas by using the “Quick Links” drop-down menu on the Reedley College webpage.

Required Online Access: MyMathLab Online site for Elementary and Intermediate Algebra, 4th Edition, George Woodbury

You must access our MyMathLab site directly from the Canvas course management site for this course. The full e-text is available from the MyMath Lab site.

Notebooks: To keep a good record of your work on your online assignments, you should have a notebook for your assignments. When you complete online assignments, keep your work organized so that you can refer to it later!

Calculators may be used in this class and will be necessary for some calculations. I would recommend a scientific calculator that shows the expression as you type it in. The **TI-30XIIS** – Advanced 2-Line Calculator - (approx. \$18.99 in the bookstore) is a good, economical choice. (Note: I would **not** recommend the **TI-30XA**. It will be more difficult to enter more complicated expressions.)

Prerequisite: Math 201 or placement test

Catalog 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.

Grading: 70% Tests, and Final Exam
20% Online Homework
10% In-Class Activities (Worksheets and Quizzes)

Grading Scale:

90-100%	A
80-89.9%	B
70-79.9%	C
60-69.9%	D
<60%	F

Tests: There will be approximately five tests during the semester. These tests will be announced ahead of time. If you will not be able to attend class for a test, you need to make prior arrangements to take the test at another time. If you are sick on the day of a test, you must contact the instructor by phone or email **before the start class**. If you do not show up for a test without notifying the instructor, you will receive a zero for that test.

Final Exam: The material in this course is used in many courses that follow in both math and science. Because of this, it is not acceptable to just forget everything once you take a chapter test. So, a comprehensive final exam will be given during final exam week.

Online Homework: “Practice makes perfect” is particularly true in mathematics. Therefore, it is critical that you do your homework and put in a good effort in using that homework as a way to learn and practice the material. You will submit your assignments on MyMathLab, accessed through our Canvas course site. You are able to print out a copy of your homework if you would like to work them all out before entering your answers on the computer. When you do submit answers on the computer, you will immediately find out if you are correct. If you are incorrect, you will have multiple attempts to correct your answer.

Late Work: You will still be able to access an online homework assignment after the due date. However, you will lose more points for each day that you are late.

Worksheets and In-Class Activities: Occasionally in class, there will be a worksheet assigned to follow up on the concepts that we are practicing in the course. These worksheets will be collected and graded. It is important that you work through these worksheets and ask for help as necessary. Problems from these worksheets are a preview for what to expect on tests. During some in-class activities, you will be allowed to work with other students. However, some in-class work will be completed individually (quizzes).

Cheating and/or plagiarism: Cheating and/or plagiarism will not be tolerated. A student will receive no credit for the assignment if in the opinion of the instructor the individual has cheated.

Attendance and participation: It is important that you come to class every day and *participate actively*. Arrive on time. Late students not only miss important material but also distract the rest of the class.

Learning mathematics is not a passive activity. As we progress through topics, students will be given problems in class to practice new skills. During this time, all students are expected to have paper out and to be actively working on these math problems with the rest of the class.

If you miss more than two weeks worth of class sessions, you may be dropped. (However, 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.)

Accommodations for Students with Disabilities:

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.

Please turn off cell phones before the start of every class period.

The use of phones for calls, texts, or other activities is prohibited without previous approval from the instructor.

Add Date:	Friday, September 2 nd	Last day to add a course
Drop Date:	Friday, October 14 th	Last day to drop this course
Holidays:	Thursday, November 24 th	Thanksgiving Holiday
Final Exam:	Thursday, December 15 th	1:00 pm-2:50 pm

Course Outline:

Chapter 8	A Transition	Weeks 1-3
Chapter 9	Radical Expressions and Equations	Weeks 4-6
Chapter 10	Quadratic Equations	Weeks 7-9
Chapter 11	Functions	Weeks 10-13
Chapter 12	Logarithmic and Exponential Functions	
+Chapter 13	+Conic Sections	Weeks 14-16
Final Exam Review		Weeks 17-18

COURSE OBJECTIVES:

In the process of completing this course, students will:

- A) use function notation and the properties of lines and linear inequalities.
- B) simplify radical expressions and perform operations on radical expressions.
- C) graph parabolas and solve quadratic equations.
- D) use the properties of exponents and logarithmic functions to change the base of a logarithm.
- E) generalize arithmetic and geometric sequences and find the k^{th} term of a binomial expansion.
- F) manipulate and graph equations of conic sections.

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.