

**MATH 103 – INTERMEDIATE ALGEBRA
SPRING 2013**

Instructor: Jamie Shepherd
E-mail: jamie.shepherd@reedleycollege.edu
Class Hours: Monday / Wednesday 3:30pm – 5:45pm
Room: SOC 31
Schedule No: 56095
Course Id. (For access to MyMathLab): shephard16865

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.

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.

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.

Prerequisite: Math 101 or equivalent.

Advisory: Eligibility for English 126.

Textbook:

George Woodbury, Elementary and Intermediate Algebra, 3rd Addition.

Most of the work for this course will be done using a website called MyMathLab (www.mymathlab.com). The textbook will also be available electronically through this website. You will need to purchase an access code for MyMathLab one of the following ways:

- 1) You may purchase the bundled textbook from the Reedley College Bookstore, which includes the textbook and access code to MyMathLab. Be careful, once you open the kit, you will not be able to return it for a full refund.
OR
- 2) You may purchase the access code through MyMathLab and use the textbook electronically.

**YOU MUST BE REGISTERED ON MYMATHLAB BY THE END OF THE DAY ON FRIDAY JANUARY
11TH OR YOU WILL BE DROPPED FROM THE COURSE!**

Course Materials

- Binder / notebook (for your notes)
- Paper, pens, pencils, ruler (for taking notes)
- Calculator(Non-graphing. Cell phones may not be used as calculators)

Online Homework

Homework is the basis of learning any mathematics and therefore will be an important part of this course. The majority of the homework assignments in this class will be completed online. Each assignment will have a due date and it will be unavailable to the student after the due date. **NO LATE HOMEWORK WILL BE ACCEPTED**, however your two lowest homework scores will be dropped.

Note: When working on a homework assignment, you do not have to complete the entire assignment at one time. If you need to stop while in the middle of an assignment, the program will save the problems you have completed and you can come back where you left off at another time.

Written Homework

There will be some written homework assigned throughout the semester. The grade on these assignments will be based on completeness, neatness and effort. All work must be shown to receive full credit. Solutions must be in pencil and problems must be in order. **NO LATE HOMEWORK WILL BE ACCEPTED.**

In-class Assignments

There may be quizzes, in-class assignments and group projects assigned throughout the semester. No in-class assignments can be made up so it is very important to attend class every day. These assignments will be included as part of your homework grade.

Attendance

Attendance will be taken daily. You are expected to be in class, on time with any assignments completed, and remain for the entire class session. Calling or e-mailing me to tell me that you will be absent for ANY reason does not excuse your absence. **If you are absent more than FOUR class sessions before the final drop date, you may be dropped. If you are dropped for poor attendance, you will not be readmitted. However, if you wish to drop this course it is your responsibility to do so. Do not assume the instructor will.**

*****THE FINAL DROP DEADLINE FOR THIS COURSE IS FRIDAY MARCH 8TH*****

Tardies

Students are expected to be in class on time. It is rude and distracting to classmates and the instructor when a student is late. If you leave class early you will be marked tardy. Two tardies will count as an absence.

Exams

There will usually be an exam given at the end of each chapter, approximately every 2 to 3 weeks. Exam dates will be announced in class well in advance. Each exam will be equally weighted. Cell phones are NOT allowed to be used as calculators for the exams and will NOT be allowed on students desks during exams. **There are NO MAKE-UPS for missed exams. No exceptions.** To compensate for illness and emergencies, the lowest exam score will be replaced by the final exam score, if it's to the advantage of the student.

Final Exam

There will be a comprehensive final exam given at the end of the semester during finals week. The final exam is weighted the same as each chapter exam. **The final exam may not be taken late or made-up.** Arrangements should be made with the instructor if you need to take the final exam or any other exam early.

Grading: Final semester grades will be based on the following:

1. Homework (Online / Written / In-class):

The total number of points you score on each assignment will be added up and divided by the total number of possible homework points. This number is then multiplied by 100 to give you a homework score between 0 and 100. **Your homework score is worth 20% of your grade.**

2. Exams and Final:

Your exam percentages and your final exam percentage will be averaged. This average will be multiplied by 100 to give you an exam score between 0 and 100. **Your exam score is worth 80% of your grade.**

Example: If your Homework score is 85 and your Exam score is 75, then you would compute your grade as follows:

$$(0.20)*(85) + (0.80)*(75) = 17 + 60 = 77$$

<u>Percent</u>	<u>Grade</u>
90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

Your current grade in the class will be available through the MyMathLab website.

Important Dates:

Martin Luther King, Jr. Day (No classes held, campus closed) – Monday January 21st

Last day to add a full-term class – Friday January 25th

Last day to drop a full-term class to avoid a “W” - Friday January 25th

Lincoln Day observed (No classes held, campus closed) – Friday February 15th

Washington Day observed (No classes held, campus closed) – Monday February 18th

Last day to drop a full-term class (letter grades assigned after this date) – Friday March 8th

Spring Recess (No classes held, campus open, classes reconvene April 1st) – Monday – Friday March 25th - 29th

Spring holiday observed (No classes, campus closed) – Friday March 29th

Spring 2013 final exams week – Monday – Friday May 13th – May 17th

End of fall semester – Friday May 17th

Final Exam – Monday May 13th from 3pm – 4:50pm in Room SOC 31.

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

All students are expected to adhere to the College policy on academic integrity. All work submitted is expected to be your own. Cheating and/or plagiarism will not be tolerated. The college policy on cheating and plagiarism can be found in the [Reedley College 2012 - 2014 Catalog](#).

Cheating is the practice of fraudulent or deceptive acts for the purpose of improving a grade or obtaining course credit...Plagiarism is a specific form of cheating which consists of the misuse of the published and/or unpublished works of another by representing the material so used as one's own work.

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.

Note: This syllabus is subject to change at the discretion of the instructor.