Midland College  
Syllabus  
Math 0371 Online  
Introductory Algebra  
3 Semester Credit Hours  
(3 Lecture/ 0 Lab)  
Co-requisite Math 0170

Students enrolled in ALL courses MUST actively participate by completing an academic assignment required by the instructor by the official census date. **Students who do not actively participate in an academically-related activity will be reported as Never Attended and dropped from the course.**

Course Description:  
This course is designed to enable students requiring leveling work in algebra to develop and review their algebraic skills. This introductory algebra course will permit students to become more proficient in the areas of fundamental algebraic operations, exponents, simple factoring, solving linear and quadratic equations, graphing linear equations and functions, solving systems of equations and inequalities, and word problems. Co-requisite: Math 0170 (Must pass to progress in sequence). Prerequisite: Math 0370, or a satisfactory score on a math placement test.

Text, References, and Supplies:  
Pearson MyMathLab Access Code  
ISBN 0 - 321 - 78504 - 5 or  
978 - 0 -- 321 - 78504 6

Course Goals/ Objectives:  
After successfully completing this course the student should be able to:  
1. Use the language of algebra.  
2. Simplify algebraic expressions.  
3. Solve and graph linear equations and inequalities.  
4. Solve quadratic equations.  
5. Create mathematical models.

Student Contributions and Class Policies:  
Midland College does not tolerate scholastic dishonesty or academic misconduct in any form. Please read the MC Student Handbook on this subject.

Intellectual Competencies:  
1. Reading - Understanding the material incorporated in the text used in this course will require the student to analyze and interpret various mathematical concepts.
2. Listening – The primary teaching methods used in this course are discussion and lecture. Understanding the oral presentation of material will require the student to analyze and interpret various mathematical concepts.

3. Critical Thinking – Critical thinking, as exemplified by problem solving, is inherent in the study of any scientific discipline. Mathematical problems will be considered, discussed, and analyzed in this course.

ADA Statement:
Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact the instructor as soon as possible. These conditions may include documented physical or educational disabilities. Please be aware that services or accommodations are not automatic. Each student must request and secure the proper authorizations.

Evaluation of Students:

Homework (online): 25%
Quizzes (online): 25%
Exams (proctored): 50%

The normal grading scale is:
90-100 for an A
80-89 for a B
70-79 for a C
60-69 for a D
0-59 for an F

Your grade at any point in time is available on the grade book button on MyMathLab.

Class Schedule:

1.2 Algebraic Expressions and Sets of Numbers
1.3 Operations on Real Numbers
1.4 Properties of Real Numbers
2.1 Linear Equations in One Variable
2.2 An Introduction to Problem Solving
2.3 Formulas and Problem Solving
2.4 Linear Inequalities and Problem Solving
2.5 Compound Inequalities
2.6 Absolute Value Equations
3.1 Graphing Equations
3.2 Introduction to Functions
3.3 Graphing Linear Functions
3.4 The Slope of a Line
3.5 Equations of Lines
3.6 Graphing Piecewise - Defined Functions and Shifting and Reflecting Graphs of Functions
3.7 Graphing Linear Inequalities
5.1 Exponents and Scientific Notation
5.2 More Work with Exponents and Scientific Notation
5.3 Polynomials and Polynomial Functions
5.4 Multiplying of Polynomials
5.5 The Greatest Common Factor and Factoring by Grouping
5.6 Factoring Trinomials
5.7 Factoring by Special Products
5.8 Solving Equations by Factoring and Problem Solving

Optional Topics:

4.1 Solving Systems of Linear Equations in Two Variables
4.3 Systems of Linear Equations and Problem Solving

Homework (25% of grade):

Homework assignments are assigned online through the publisher's website called MyMathLab. Students can find instructions on how to access this website by referring to the MyMathLab Students Access Kit included with the printed textbook or by purchasing the MyMathLab program at http://pearsonmylabandmastering.com/. Each section has 2 homework assignments:

1. Study for section (counts as lab participation). This will consist of videos and 1 – 2 questions related to the videos. You must access the video in order to complete the related problem(s). A 70% or greater must be achieved before the student will have access to the section homework assignment. Once the student has completed the study homework with a 70% or greater, the section homework will become available.

2. Section homework. Students are expected to complete each homework assignment prior to the due date given in the course calendar (Sunday evenings at 11:00 p.m. usually). Students may work each problem, in the section homework an unlimited number of times and receive full credit up to the due date. Further instruction on how to log into MyMathLab and the Course ID are in the welcome email sent to the student and posted on Canvas.

E-mail Contact Assignments:

E-mail contact assignments will be posted on the announcements page of MyMathLab. It will be due on Monday night each week for which a contact is assigned. This e-mail contact will be a way for us to stay on top of the assignments and responsibilities of the course. The e-mail contact response should be short paragraphs answering the particular question I ask that week. No
other student will see your response. It is private communication between you and me. You may also use this assignment to share any concerns you have about the course and your success in the course. The weekly e-mail contact will count as a homework grade for the week.

**Quizzes (25% of grade):**

Quizzes are listed in the course calendar sent to you in the welcome e-mail and posted in Canvas. It would be helpful for you to print the calendar and highlight these quiz due dates. These quizzes will cover all material in the homework. Quizzes are taken online in MyMathLab.

**Final Exam - Proctored (50% of grade):**

A proctored final exam will be given. **No calculator, no book, and no notes are allowed on the exam.** The exam may be taken only once. Exams are proctored in the Midland College Math Lab in the Marie Hall Academic Building room 125 for local students. Out of area students should arrange to take the exams at a secure testing center at a local college or alternate location by approval. During the first week, I will ask you for the name of the testing location and the name of the contact person at that site.

**Late Work Policy:**

All work is expected to be completed on time. Do not wait until the last few hours to complete online work as the online environment can be unpredictable. You may encounter computer, internet connectivity or website problems beyond our control leaving you no time to complete the assignment.

If you have a catastrophic incident that prohibits you from completing an assignment, please contact me as soon as you can to work out a plan for you to complete the work. **All** late work will have a point deduction penalty.

**IMPORTANT:**

It is critical that you check in to MyMathLab often (daily is recommended). I will post any changes to the schedule in the announcements on MyMathLab. Doing math everyday will increase your memory of the concepts and increase the likelihood that you will be successful in this course. You must create a habit of working on your online math just as you would attend a scheduled course. I recommend dedicated a given time every day to working on this course.

It is also important that you contact me as soon as possible when you feel that you are having difficulties. I cannot help you if I don’t know you are in trouble.
Instructor Information:
Name:

Office/ Phone:

E-mail:

Office Hours:

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