Reedley College
Math 103
Summer '09 Syllabus

Course: Math 103 Intermediate Algebra
Schedule number: 78090
Instructor: Ron Reimer
E-mail: ron.reimer@reedleycollege.edu
Phone: (559)638-3641 ext. 3355
Office Hours: By appointment
Text: Elementary and Intermediate Algebra A Combined Course, Third Edition, Charles P. McKeague.
Meeting times: Daily, 11:00 – 1:50 PM, 6/29/09 – 8/07/09
Important dates:

July 3	Friday	Independence Day
July 17	Friday	Last day to drop
August 7	Friday	Final Exam

Course Description: This course is designed to meet the pre-requisite requirements and prepare the student for higher mathematics courses such as Trigonometry and Statistics. This course will study many topics introduced in Math 101 at a more in-depth level as well as some new topics.

Course Objectives
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^h term of a binomial expansion.
F) manipulate and graph equations of conic sections.

Course Outcomes
A) create a linear equation given a slope and a point or two points; graph linear equations and inequalities and use function notation to find the value of expressions.
B) add, subtract, multiply, and divide radical expressions and use exponent properties and conjugate properties to simplify and solve radical expressions.
C) complete the square of a quadratic equation and use the quadratic formula to solve any quadratic equation; graph quadratic equations using translations.
D) solve exponential and logarithmic equations by using equivalent expressions; use exponential and logarithmic properties to convert between common logarithms, natural logarithms and other bases.

E) expand binomial expressions using Pascal's triangle and the binomial coefficient formula; find the nth term of a sequence of numbers.
F) graph each of the conic sections by translations; put conic equations and inequalities into the standard form.

Attendance: In order to maintain continuity of subject matter regular attendance is imperative in any academic course. Students, who do not attend class consistently, learn less and typically earn lower grades than students who do attend class consistently. You are expected to attend all class sessions, arrive on time and stay for the entire session. If you accumulate more than 3 absences before July 17, 2009, you will be dropped from this course. Do not be late to class. If you are not present when role is taken you will be marked absent.

Grading: Grades will be based on four sets of criteria: Homework, Midterm exams, Class participation and a Final exam.

Homework: Homework will be submitted both in written form and online through Webassign. When completing written assignments write down all problems (except word problems), show all necessary steps to solve the problem and show your solution. Please use standard 8.5" x 11" paper, if using a spiral notebook please cut off the shredded edge, staple multiple papers together in the upper left hand corner. Record the **class name**, **your name**, **section and problem numbers** on each page of your homework assignment. **No late homework assignments will be accepted**.

Online assignments will be submitted via Webassign. 3 attempts are allowed for each assignment, after these attempts have been used you must get help from me in my office to get more attempts unlocked. **No late submissions will be accepted**. Homework will make up twenty-two percent of your grade.

To enroll in Webassign go to www.webassign.net
Click on "LOG IN"
Click on "I have a Class Key"
Enter the Class Key: Reedley 6983 6458
Click on "Yes, this is my class" (if the information is correct)
Follow the onscreen instructions

Midterm Exams and quizzes: The midterm exams and quizzes will make up the majority of your grade in this course. In most cases a midterm exam will follow the completion of a chapter in the textbook and cover the material discussed in that chapter only. If appropriate a midterm exam may cover more or less than one chapter in the text. The material you will be held accountable for on an exam will be clearly announced before each exam. Your lowest midterm exam score will not be calculated in your overall grade. Midterm exams and quizzes will make up sixty-five percent of your grade.

Class Participation: In this course class participation is defined as taking notes, being involved in class discussions, asking questions, etc. Each student is awarded 50 class participation points at the beginning of the semester. Anytime you are not participating in class due to lack of attention, causing a disruption, tardiness you will lose 3 class participation points and 5 points for an unexcused absence. Class participation will make up three percent of your grade.

Final Exam: There will be a comprehensive final exam at the end of this course. The final exam <u>may not be dropped</u> from your grade. The final exam will make up ten percent of your grade. The final exam date for this course is Wednesday August 7, 11:00 AM.

Grading scale:

Final Percentage Points	Grade
90<100	A
80<90	B
65<80	C
50<65	D
0<50	F

<u>**Academic Dishonesty**</u>**:** Academic dishonesty <u>in any form</u> is a very serious offense and will incur serious consequences, including but not limited to receiving a grade of F in the course. For the college policy on cheating and plagiarism, see the college catalog.

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.

A blackboard website will be maintained for this course. The web address is: http://blackboard.reedleycollege.edu

User Name = *Your student I.D. number*
Password = *Your student I.D. number*