

Math 025-06 (MWF 10:30-11:30, MTB 209)
Math 025-05 (MWF 3:00-4:00, MLH B32)

COURSE:

Textbook: *Elementary Algebra* (Bracken & Miller, pilot edition, © 2011)

Calculator: A scientific calculator such as the TI-30XA is required.

Prerequisite: Grade of "C" or better in MATH 015 or ACT Score of 16-18 or SAT Score of 390-460 or COMPASS Pre-Alg. 46-100, Algebra 0-45

Course Description: Brief review of integer and fraction arithmetic. Solving of equations and inequalities in one variable. Writing equations of lines; forms of linear equations. Graphing linear equations and inequalities. Solving systems of linear equations and inequalities. Introduction to linear programming. Exponents and polynomials including factoring. Solving quadratic equations using the zero product property and the quadratic formula. Introduction to functions. Unit analysis. Emphasis on problem solving. Introduction to sets, permutations, and combinations. Pre-requisite: A grade of "C" or better in MATH 015 or satisfactory placement score. Course fee.

INSTRUCTOR: Alan Hain

Office: MLH B-1 (Basement of Meriwether Lewis Hall)

Office Phone: 792-2107

Office Hours: Thursday from 9:00-12:00 & 1:30-4:00 (*Other times by appointment*)

Email Address: aphain@lcsc.edu

Home Phone: (208) 476 - 4835 [Until 9 PM, NOTE: This is a *Long Distance* call!]

Adaptations/Accommodations: If adaptations or accommodations are needed because of a disability, if you need to make me aware of emergency medical information, or if you need special arrangements in case of building evacuations, please contact me as soon as possible or by the 10th day of the semester.

Student Contact: Students are expected to monitor their LCMail email accounts for class announcements. If you don't have a computer at home, find a computer lab on campus to check your email.

COURSE REQUIREMENTS:

Skill Quizzes: Skill quizzes must be perfect. You must retake each quiz until you can do it without error. Retakes may be completed at the end of class or during office hours or by special appointment, if necessary. Only one version of any quiz may be taken on any given day. If you miss a quiz, you make it up by taking the retake. **TO PASS THIS CLASS, every skill quiz must be passed by 5:00 pm on Friday, December 12th. If you have even one skill quiz that is not successfully completed by this time, you will fail this class.**

Homework: Homework will be collected at the beginning of class each day. **No late homework is accepted.** Homework will be graded and returned. The lowest 3 of all assignments will be dropped. It is your responsibility to ask for help and to make sure you are doing problems correctly. Since this is a 3 credit class, you should expect to spend at least 6 hours a week outside of class completing assignments, studying, and preparing for quizzes and exams.

Exams: 5 exams will be worth 50% of your final grade. No retakes are possible. Headphones may be worn during tests only if you are listening to prerecorded CDs **AND** provided they do not disturb others. **Make up exams are allowed only if you contact me no later than the day of the exam by phone or email and you have an acceptable excuse for missing the test. Oversleeping and mild illnesses are not acceptable excuses.** If you can't reach me directly, please provide a detailed message either to my email (aphain@lcsc.edu) or my voice mail (792-2107).

Final Exam: The final is **comprehensive** and will be given as follows:

Math 025-06 *Monday, December 15th from 10:30 AM-12:30 PM*

Math 025-05 *Wednesday, December 17th from 3:00-5:00 PM*

Do not make plans to leave before you have completed your final exam!!

Attendance, Participation, etc.: Attendance is important! If you're absent, not only do you miss material, you'll miss skill quizzes, not be present to turn homework in, and absences will hurt your grade. Participation by asking questions will not only help you, but also many of your classmates. It will also help me to know how best to help you. This portion of your grade may also include additional work such as reviews for exams or group work.

IMPORTANT DATES:

TUESDAY, September 2: Instructor's Written Approval is required to Add this class
MONDAY, September 8: Last day to Drop this class without a permanent entry on your transcript
FRIDAY, October 24: Mid Term Grades turned in
FRIDAY, November 7: Last day to withdraw from this course with a *W* on your transcript. After this, withdrawal is only permitted by petition and approval of the division chair. The division chair requires documentation of extraordinary circumstances that prevented you from withdrawing by the deadline.

GRADING:**Grading Scale**

93-100% A
 90-92.9% A –
 87-89.9% B+
 83-86.9% B
 80-82.9% B –
 77-79.9% C+
 70-76.9% C
 67-69.9% D +
 60-66.9% D
 0-59.9% F

How your grade is determined:

20%	Homework
10%	Attendance/Participation
50%	Exams
20%	Final
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100%	Course Grade

Academic Dishonesty: According to the Lewis-Clark State College Student Code of Conduct found in the Student Handbook, cheating or plagiarism in any form is unacceptable. All work submitted by a student must represent his/her own ideas, concepts and current understanding. Academic dishonesty includes cheating, fabrication, helping others to cheat, and plagiarism. **Examples of academic dishonesty include, but are not limited to, looking at previous skill quizzes or notes during a skill quiz, allowing someone to copy your homework, telling someone in the afternoon section about the test in the morning section, submitting answers from the back of the book instead of actually doing the problems, copying someone else's work on a test or skill quiz, or using a calculator when told not to do so.** Collaborative homework is acceptable as long as all the participants fully participate in the work. Students are encouraged to work together on homework and to study together for exams. There is a clear difference between collaboration and copying.

Academic dishonesty in this course will result in a grade of F and the code of conduct violation will be reported to the appropriate administrative office for further action.

Incompletes: Incompletes will only be given under the following conditions: (1) 80% of all coursework is completed. (2) You must be passing with an 70% or better. (3) You must provide written documentation of a medical or family emergency.

List of Skill Quizzes:

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| <ul style="list-style-type: none"> <input type="checkbox"/> Skill Quiz A. Add, subtract, multiply & divide fractions. <input type="checkbox"/> Skill Quiz B. Add and subtract integers. <input type="checkbox"/> Skill Quiz C. Identify a number as a member of any or all of the following: the whole numbers, the integers, the rational numbers, the irrational numbers, and the real numbers. <input type="checkbox"/> Skill Quiz D. Describe the commutative, associative, and distributive properties using words or variables. Simplify an expression using the distributive property. <input type="checkbox"/> Skill Quiz E. Evaluate expressions that include integers. <input type="checkbox"/> Skill Quiz F. Evaluate an expression using the order of operations. <input type="checkbox"/> Skill Quiz G. Solve percent problems using the 5-step method. <input type="checkbox"/> Skill Quiz H. Solve an equation in one variable; check the solution. <input type="checkbox"/> Skill Quiz I. Solve an equation with one, no, or infinite solutions; clear the fractions from an equation. <input type="checkbox"/> Skill Quiz J. Solve an equation for a given variable. <input type="checkbox"/> Skill Quiz K. Solve an inequality, graph the solution, and check the solution. <input type="checkbox"/> Skill Quiz L. Graph an equation in one or two variables. <input type="checkbox"/> Skill Quiz M. Graph a linear equation using intercepts. Show your work in finding the intercepts. <input type="checkbox"/> Skill Quiz N. Calculate the slope of a line given two points. Given the equation of a line, find its slope and y-intercept. <input type="checkbox"/> Skill Quiz O. State standard form, slope-intercept form, and point-slope form of a linear equation in two variables. | <ul style="list-style-type: none"> <input type="checkbox"/> Skill Quiz P. Write the equation of a line given two points on the line using point-slope form. Determine the y-intercept of the line. <input type="checkbox"/> Skill Quiz Q. Determine whether a relation is a function; evaluate a function. <input type="checkbox"/> Skill Quiz R. Graph a linear inequality in two variables. You must show your work with the test point. <input type="checkbox"/> Skill Quiz S. Solve a system of linear equations using the substitution method. <input type="checkbox"/> Skill Quiz T. Solve a system of linear equations using the elimination method. <input type="checkbox"/> Skill Quiz U. For a number in place-value notation, rewrite it in scientific notation. For a number in scientific notation, rewrite it in place-value notation. <input type="checkbox"/> Skill Quiz V. Add and subtract polynomials. <input type="checkbox"/> Skill Quiz W. Multiply polynomials. <input type="checkbox"/> Skill Quiz X. Factor the greatest common factor from a polynomial. Factor a four term polynomial by grouping. Factor a trinomial using the AC method. Factor a difference of squares. <input type="checkbox"/> Skill Quiz Y. State the zero product property. Solve a quadratic equation by factoring and using the zero product property. <input type="checkbox"/> Skill Quiz Z. Convert a measurement from one unit of measurement to another using unit analysis. |
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