

Math 101: Elementary Algebra, Spring 2010

Instructor: Walid Tayar

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Office Hours: M, T, TH 9:00-9:50am in FEM 1K or by appointment

Math Center Hours: W 9:00-9:50am and 11:00-11:50am

Phone: 559-638-3641 ext. 3263

Schedule #: 56820 M-F from 10:00am-10:50am in Room CCI 200

Course Description:

As stated in the Reedley College course outline, Math 101 involves the study of operations with signed numbers, algebraic expressions, linear equations and their graphs, inequalities, exponents, radical expressions and equations, factoring, rational expressions and equations, as well as quadratic equations.

Prerequisites:

Basic Skills Advisories: Eligibility for English 126 (A)

Subject Prerequisites: Successful completion of Math 250 or equivalent

Required text:

Make sure to buy the bundled textbook (which includes the textbook and access code) at the Reedley College Bookstore.

TITLE: Elementary and Intermediate Algebra, 3rd Edition

AUTHOR: Charles P. McKeague

Note: Before you buy the book, **make sure both you are ready to take this course.** This book comes bundled with a ***Student Access Kit***. It is very important that your book has the ***Student Access Kit*** with it. Once you open the kit you will not be able to return the book for a full refund.

Course Materials:

- 4 x 6 note cards
- Notebook paper
- Stapler (try the dollar store)
- 3-ring binder (for class notes)
- Paper, Pencils, Ruler
- Calculator (non-graphing)

BLACKBOARD: This course will utilize blackboard for announcements, handouts, assignments, etc. You can access blackboard from the Reedley College homepage or at <http://blackboard.reedleycollege.edu> .

Your login and password to blackboard is as follows:

Login ID: “your student ID#”

Password: “your student ID#”

Course Outcomes:

Upon completion of this course, students will be able to:

- apply the four arithmetic operations (addition, subtraction, multiplication and division) to problems involving whole numbers.
- apply the four arithmetic operations to problems involving fractional numbers.
- apply the four arithmetic operations to problems involving decimal numbers.
- evaluate whole numbers raised to exponents using the definition of exponents.
- solve consumer arithmetic problems such as balancing a checkbook and calculating unit cost.
- solve consumer arithmetic problems using ratios and proportions such as proportionally increasing or decreasing a recipe and calculating fuel mileage.
- solve business applications such as computing simple interest.

Course Objectives:

In the process of completing this course, students will:

- develop an understanding of the base ten number system.
- practice with and master basic addition and multiplication facts of single digit whole numbers.
- learn, extensively practice and apply the concepts of addition, subtraction, multiplication and division of single and multiple digit whole numbers and decimals.
- learn, extensively practice and apply the concepts of addition, subtraction, multiplication and division of fractions.
- use ratios to compare two quantities with the same units.
- use rates to compare two quantities with different units.
- set up the four elements of a proportion.
- determine whether a statement is a proportion.
- solve a proportion with an unknown element.
- convert numbers between decimal, fractional and percent forms.
- translate a percent problem into an equation and solve.
- translate a percent problem into a proportion and solve.

Online Homework:

Online homework assignments are completed online and the assignments can be found at the WebAssign website. You may work ahead if you like. The program is set up so that you must complete all the homework assignments with at least a 70% to be able to take the online chapter tests. Do not expect to take the exam and then complete the homework. Each assignment has a due date and the assignment will be unavailable to the student after the due date. Homework will not be accepted late, but the two lowest homework scores will be dropped to allow for any emergencies or missed assignments. It is important to stay current to be successful in the course!

Note: When working on homework, you do not have to complete an entire assignment during one session. If you need to stop while in the middle of an assignment, you can submit your work and the program will save it for you. You can then come back to the assignment and continue from where you left off at another time.

Written Homework:

There will be written homework assignments for the semester. These assignments will be collected in class. All work must be shown in order to receive full credit for these assignments. No Late assignments are accepted. I will answer any HW questions at the beginning of each class before HW is collected. Your homework will be graded on completeness, neatness, and effort. Problems must be written out in pencil and all work must be shown in order to receive credit. I will not accept HW on spiral bound notebook paper. Please staple your HW in the top left corner and clearly highlight the section number at the top of each page or it will not be accepted. If you come to class after the HW has been collected or are absent it will not be accepted for full credit. All late HW must be turned in by the following class meeting for half credit. If you are absent, you are still responsible for any HW assignments. It is your responsibility to keep up with the pace of the class.

Online Chapter Tests/Quizzes:

There will be one or more online test/quiz for each chapter. Your lowest online test/quiz score will be dropped. There are no make-ups for missed tests/quizzes. No exceptions.

In-Class Assignments:

There will be quizzes, in-class assignments and possibly group projects assigned throughout the semester. No in class assignments can be made up so attendance is very important. These assignments will be included as part of your HW grade.

Attendance:

If you are absent more than once in the first two weeks of the semester, more than twice in the first four weeks or more than 3 times in the first nine weeks, you may be dropped from the course. Attendance is a key factor in your success as a college student. Students are expected to attend all class meetings, be on time, and be in class the entire class session. 5 absences over the course of the entire semester may result in a drop from the course. However, if you decide to drop the course, it is your responsibility to make the drop official in the Admissions and Records office or else possibly receive an F in the course. Also, there are to be no visitors in class for any reason. Pagers, cell-phones, CD/DVD/MP3 players, and any other electronic device must be turned off, silenced, and out of sight before entering class. You will be asked to leave if your phone rings in class. Also, cell phones are NOT to be used as calculators.

Tardies:

It is distracting, rude and unfair to classmates and to the instructor when a student is late. Leaving class at anytime during the lecture will not be allowed. Please use the restroom/make phone calls before or after class. If you leave class at any time, it will count as a tardy. Two tardies will be counted as an absence. You are responsible for telling me, at the end of class, that you were tardy. If I mark you absent and you do not tell me of your tardy, you will remain absent. If you leave class early, you will be marked absent. Students with chronic tardiness may be dropped from the course.

Exams:

There will be an exam at the end of each chapter, approximately every 3 weeks. Each exam will be worth 100 points. There are no make-ups for missed exams. No exceptions. Calling the day of the exam and telling me that you can not make it to class is inexcusable. All tests will be taken using pencil.

Final Exam:

A final exam worth 100 points will be given at the end of the semester during finals week.

- Final: Monday, May 17th from 10:00am-11:50am

Grading:

- Homework (Online/Written) and Online Tests/Quizzes will be worth 20% of your overall grade.
- Exams and Final will be worth 80% (Lowest Exam score will be replaced by Final score)

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

Course Outline:

Number Systems and Operations (3 weeks)

Linear Equations and Inequalities (2.5 weeks)

Graphing and Linear Systems (3 weeks)

Exponents and Polynomials (3 weeks)

Factoring (3 weeks)

Rational Expressions (3 weeks)

Important Dates:

January 11 (M) Spring 2010 instruction begins

January 11 - March 12 (M-F) Spring 2010 short-term classes, first nine weeks

January 18 (M) Martin Luther King, Jr. Day observed (no classes held, campus closed)

January 22 (F) Last day to drop a full-term class for a refund for Spring 2010

January 29 (F) Last day to register for a full-term fall class for Spring 2010

January 29 (F) Last day to drop a fall full-term class to avoid a “W” for Spring 2010

February 12 (F) Lincoln Day (no classes held, campus closed)

February 15 (M) Washington Day observed (no classes held, campus closed)

February 16 (T) Last day to change a spring class to/from a Pass/No-Pass grading basis

March 12 (F) Last day to drop a full-term class (letter grades assigned after this date)

March 15 - May 21 (M-F) Spring 2010 short-term classes, second nine weeks

March 29 - April 2 (M-F) Spring Recess (classes reconvene April 5)

May 17-21 (M-F) Spring 2010 final exams week

May 21 (F) End of spring semester/Commencement

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 refer to the RC Catalog for the Plagiarism and Cheating Policy, pg. 51.

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