

Syllabus for Math 101

Beginning Algebra:
from ancient farmers
with spare time
to René Descartes



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Instructor: Mr. Robert Gutierrez

Email: robert.gutierrez@reedleycollege.edu

Work phone: no phone.

Campus: Reedley College

Office location: FEM 1 (Math Center)

Office hours: To be announced

Required Online Textbook: coursecompass.com

Prerequisites: Math 250 or equivalent or 256

Cheating and Plagiarism:

- Cheating and plagiarism will not be tolerated.
- A student will receive no credit for an assignment if in the opinion of an instructor the individual has cheated or plagiarized.

Class behavior:

- Silence or turn off your cellphone or any device before entering and during class.
- Do not text message with your cellphone or any device during class. This request is redundant since you cannot use your cellphone or device during class anyway.
- Please do not arrive late to class nor leave early.
- Please do not eat nor drink in class except for water.
- Be considerate and polite to others.
- You may not study for another class or read a book, newspaper, magazines, etc. during class.
- Please no guests in the classroom.

Attendance and Participation:

- Students are expected to attend all class meetings, be in class at about 10:55pm., and be in class the entire class time.
- **Four** absences may result in a drop by the instructor from the course during the first nine weeks.
- Two tardies count as one absence.
- Leaving class before the end of class will be counted as an absence.
- Contacting me about a future absence does not excuse the absence unless the absence is related to a school-related activity.
- Not being present during class for an unnecessary amount of time, determined by an instructor, may be counted as an absence or an emergency.
- If you decide to drop the course, it is your responsibility to make the drop official in the Administrations and Records office or else possibly receive a grade of F.

Instructor: Mrs. Kathleen Landon

Email: kathleen.landon@reedleycollege.edu

Work phone: (559) 638-3641 ext. 3158

Course number: 56711 **Fall semester 2010**

Classroom: CCI 206

Class times: Mon, Tue, Wed, Thu, Fri
11:00 am. to 11:50am.

Basic Skills Advisories: Eligibility for ENGL 126



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Homework:

- Homework will be posted online via coursecompass.com If you need help to log in, ask an instructor.
- Homework is worth 10 points each.
- While homework is only entered online, it is **HIGHLY RECOMMENDED** that the student does each problem by hand **ON PAPER** with a **PENCIL!!!** Note that these papers will **NOT** be turned in to the instructors. However, if the student has trouble with homework, then having these papers available will help an instructor and tutor to help the student with his or her homework.

Tests:

- There are **seven** chapter tests that are taken online.
- There is one midterm that is on chapters 1,2, and 3.
- There is **one** final test that is taken in class.
- The lowest test score (only among the first seven tests) will not be used in the final grade.
- Calculators, cellphones, or any other electronic devices are **NOT** allowed during any test.
- If a student must **absolutely** be absent on a test day, then discuss taking the test earlier with an instructor.
- **THE FINAL TEST WILL BE CUMULATIVE AND MUST BE ATTENDED AS SCHEDULED.**
- The final test grade will be used in the final grade.

Why you are in this class?

- Learn the importance of arithmetic and how they lead to the beginnings of algebra.
- Be prepared for more advanced algebra and other branches of mathematics.
- Learn how to think critically, rationally, sequentially, and meticulously in a safe environment.
- Learn how to solve problems in a safe environment.
- Learn that math problems are **not** solved in one, quick, easy, and painless way.

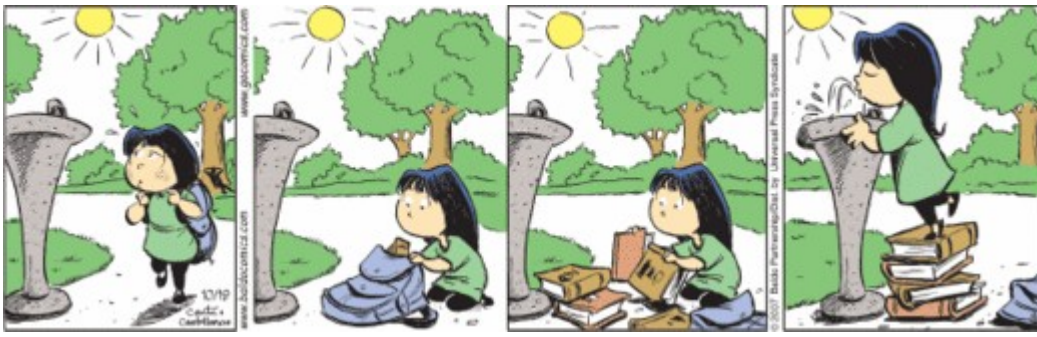
Class notes

Your instructors believe paying attention in class is more important than purely writing notes and not understanding what one is writing. However, writing class notes is important. Consequently, class notes are provided by the instructors to ensure that note taking is less of a chore and to increase the student's ability to pay more attention during class. However, these provided notes are **not complete**. The student must attend class to understand what mathematical ideas the notes convey. Although, the student should still bring paper to class.

COURSE OBJECTIVES:

In the process of completing this course, students will:

- recognize the real number system, its subsets and how to perform operations on numbers from these subsets.
- simplify algebraic expressions and solve linear equations and inequalities
- graph linear equations in two variables and solve systems of linear equations.
- simplify expressions using the properties of exponents and perform operations with polynomials.
- factor algebraic expressions and solve equations of degree greater than one.
- perform arithmetic operations on rational expressions and solve equations containing rational expressions.



COURSE CONTENT OUTLINE:

A. Number Systems and Operations

1. The set of real numbers and its subsets
2. Addition, subtraction, multiplication and division of real numbers

B. Linear Equations and Inequalities

1. Simplifying expressions
2. Solving equations using the addition and multiplication properties of equality
3. Applying the addition and multiplication properties to solve formulas
4. Applying the addition and multiplication properties to solve inequalities
5. Applications

C. Graphing and Linear Systems

1. Graphing ordered pairs
2. Finding solutions to linear equations in two variables
3. Finding axis intercepts and using them to graph the equation
4. Solving systems by graphing, addition, and substitution method
5. applications of systems

D. Exponents and Polynomials

1. Multiplication and division with exponents
2. Operations with monomials
3. Addition, subtractions, multiplication, and division of polynomials
4. Special products

E. Factoring

1. Greatest common factor
2. Factoring by grouping
3. Factoring trinomials
4. Special factoring
5. Solving equations by factoring
6. Applications

F. Rational Expressions

1. Reducing rational expressions
2. Multiplication, division, addition, and subtraction of rational expressions
3. Solving equations with rational expressions
4. Solving proportions
5. Applications
6. Simplifying complex fractions

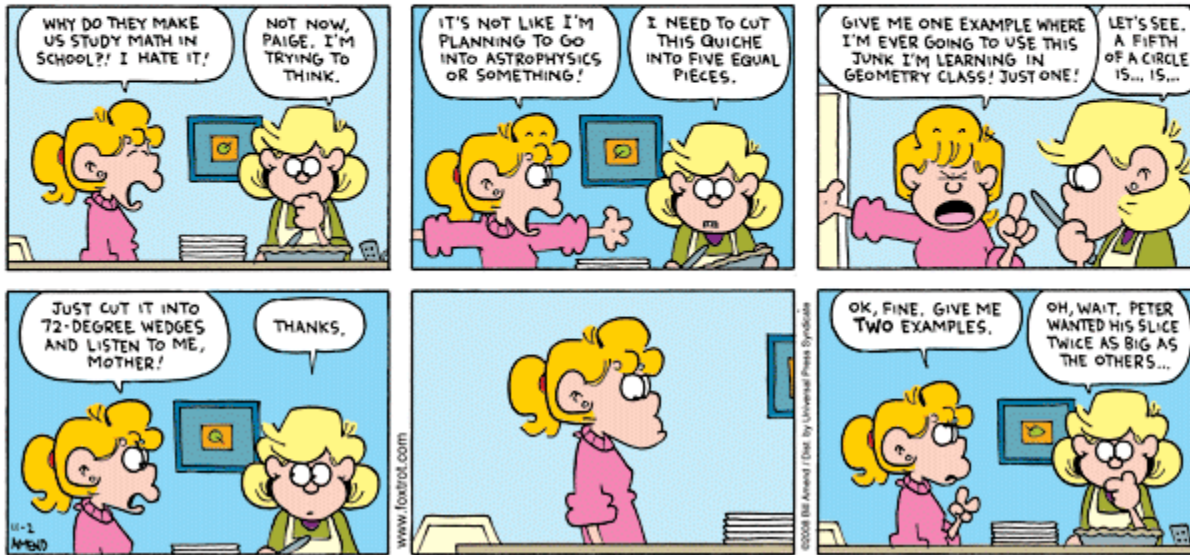


Important Dates:

- Monday, September 6: Labor Day (no class)
- Friday, October 15: Last day to drop the class
- Thursday, November 11: Veteran's Day (no class)
- Thursday and Friday, November 25 and 26: Thanksgiving (no classes)
- Thursday, December 9: Last day of class
- Wednesday, December 15: Final Exam at 11:00am to 12:50pm in CCI 206

Class materials:

- Blank AND lined paper
- Student access to coursecompass.com THIS IS REQUIRED.
- Mechanical or wooden pencils
- Colored pencils (We may not use these, but it does not hurt to have them anyway)
- Pencil erasers
- Pencil sharpener if you use wooden pencils.
- Three-ring binder or folders
- Small stapler with extra staples
- Graph paper
- 6 in or 12 in ruler



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 us as soon as possible.

Grading scale: 90% ≤ A ≤ 100% 80% ≤ B < 90% 70% ≤ C < 80% 60% ≤ D < 70% 0% ≤ F < 50%

Disclaimer: Due to time constraints and/or unforeseen circumstances during the semester, your instructor reserves the right to alter any of the above when deemed necessary for the educational welfare of the students.