MATH 103 Intermediate Algebra REEDLEY COLLEGE

(Section #52073) Spring 2018

TTH 6:00-8:15 P.M. 1/8-5/15/2018

CCI-206

Instructor: Bob Rutherford

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COURSE DESCRIPTION: This course will deal with many algebraic concepts consistent with a second course in algebra including: equations and inequalities in two variables, rational exponents and roots, quadratic functions, exponential and logarithmic functions, and the conic sections.

## BASIC SKILLS ADVISORIES: Eligibility for ENGL 126

SUBJECT PREREQUISITES: Math 201 or Equivalent

OBJECTIVES: In the process of completing this course, students will:

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 and to change the base of a logarithm.

E) generalize arithmetic and geometric sequences and find the *kh* term of a binomial expansion.

F) manipulate and graph the equations of the conic sections.

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REQUIRED TEXT: George Woodbury, Elementary and Intermediate Algebra, Pearson Publishing, Fourth Edition, 2016.

MATERIALS REQUIRED: Textbook, pencil, paper, graph paper

ATTENDANCE: Students are expected to attend all class meetings, be on time, and be in class the entire class session. Students are required to participate in all class discussions and activities. Each evening will count as two (2) class sessions. Arriving late or leaving early will be counted as an absence. Missing an entire evening will count as two (2) absences. Eight (8) absences (which is missing four evenings) may result in a drop from the course. If you decide to drop the course it is your responsibility to make the drop official in the Administration and Records Office or you could receive an F grade. The drop deadline is March 9, 2018.

HOMEWORK: Homework will be collected each time we meet. Each assignment collected will be graded on completeness, neatness, and effort. Homework should be written on 8.5” x 11” paper, stapled in the upper left hand corner, and in order. Record your name, the class name, the chapter, section, and page number. Problems must be written out (except word problems) and all work must be shown in order to receive credit. Late homework will be worth 60% credit up to one week late. After one week late homework will not be accepted. Homework not turned in because of absence is considered late.

TESTS: There will be chapter tests, occasional quizzes, and a comprehensive final exam. The final exam is scheduled for Tuesday, May 15, 2018, during the regular class time. All make up exams must be arranged for and taken ahead of time. Missing a test without prior arrangements will result in a zero on the test.

SPECIAL NEEDS REQUESTS: If you have special needs as addressed by the Americans with Disabilities Act (ADA) including alternate media requests, please notify your course instructor immediately. Reasonable efforts will be made to accommodate your special needs.

GRADING: Tests and quizzes account for approximately 70% of your grade, homework will account for approximately 25% of your grade, and class projects will account for approximately 5% of your grade. A lack of participation in class activities will result in a deduction of your grade.

The grading scale will be:

Percent of Total Points Grade

* 1. A
  2. B
  3. C
  4. D

0 –54 F

Please turn off cell phones, pagers, etc. during class. Cell phones are not allowed to be used as calculators Also, children are not allowed in class.