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## Syllabus: *Elementary Algebra*

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### Course Information

Course Prefix/Number: Mat 082

Semester: Spring 2021

Class Days/Times: Online

Credit Hours: 3

Course Title: Elementary Algebra

Room: Online

### Instructor Information:

Name: Rebecca Johnstone

Phone/text : 928 258 7852

E-mail: johnstnerebecca@hotmail.com

Office location:

Office hours:

**Course Description:** Introduction to basic algebra. Includes the real number system, algebraic expressions, linear equations and inequalities, integer exponents, polynomials, simple rational expressions, and square roots.

### Course Objectives

During this course students will:

- **Add, subtract, multiply and divide numbers in the real number system.**
- **Solve equations and inequalities, both in isolation and in the context of story problems and real-life applications.**
- **Visualize equations by graphing.**
- **Add, subtract, multiply, divide and factor polynomials.**
- **Add, subtract, multiply and divide rational expressions.**

### Student Learning Outcomes (SLOs)

After completion of the course students will be able to:

- **Use the skills of arithmetic and algebra, in isolation and in application, with and without technologies (including but not restricted to calculators and computer programs).**
- **Express themselves visually (in graphing functions and) in presenting their answers to real-life problems.**

### Course Structure

**This course will be delivered through the computer using ALEKS. Students are expected to log in for a minimum of 3 hours per week. There are also some assignments in the Canvas program. All grades are posted in Canvas. Grades will be updated every Friday.**

### **Texts and Materials**

All materials and text are provided by ALEKS online.

**Evaluation and Grading & Assignments: Evaluation and Grading & Assignments: Daily attendance 10% Outside assignments 15% Hours logged on 10% Pie progress (5 topics per class meeting) 65% Students must log in a minum of 35 hours to receive credit.**

#### **Grading Scale**

90 - 100%	A
80 – 89%	B
70 – 79%	C
60 – 69%	D
0 – 59%	F

### **Apache Cultural Component**

San Carlos Apache College is in the process of developing culturally relevant curriculum and coursework in Apache history, culture, and language. Student and community feedback will guide this process. All SCAC instructors will find ways to incorporate culturally relevant topics and materials into their courses as appropriate.

### **Policies and Expectations**

**Policies and expectations- minimally** Students are expected to attend class 3 hours per week and log on a minimum of 3 hours per week. Students must log in a minimum of 35 hours to receive credit. Academic honesty is essential, in order for learning to progress. Ask for help when you do not understand. Your instructor is your first resource. The best way to learn math is to do math every day. The more you log on the faster your skills will grow. The Aleks program will periodically test your skill to assess progress. You may find you are repeating items you have previously covered because you did not pass the assessment item. Be patient you will succeed. Some topics are easy some are hard. The program is presented to each in an individual way depending on your skills and abilities. No one will be at the same place at the same time.

Grades will be posted in Canvas. There are also some additional assignments in Canvas. Some assignments posted in Canvas are power points to help understand some topics. They count as extra credit. Grades are updated each Friday. The total grade in Canvas is your current grade.

*Finally, if you must be absent please notify me by e-mail. Please refer to attendance policy in student handbook.*

