Course Title: MATH FOUNDATIONS FOR CAHSEE PREPARATION	**Course Description**
Course No. 3214 **Grade level**: 9-12 **Text and Resources**: *Meeting the California Challenge: Math Foundations;* Globe Fearon	**Course Value:** *One Semester **Credit Value:** 1 - 5
Course Content: Key Content Standards and Course Objectives 1. **Number Sense:** Students use the inverse relationship of multiplication and division to compute and check results (3-2.3), compare fractions represented by drawings or concrete materials to show equivalency and to add and subtract simple fractions in context (3-3.1). 2. **Algebra and Functions:** Students use letters, boxes, or other symbols to stand for any number in simple expressions or equations (4-1.1), use and interpret formulas to answer questions about quantities and their relationships (4-1.4), know and use the distributive property in equations and expressions with variables (5-1.3), identify and graph ordered pairs in the four quadrants of the coordinate plane (5-1.4), solve problems involving linear functions with integer values; write the equation; and graph the resulting ordered pairs of integers on a grid (5-1.5). 3. **Measurement and Geometry:** Students measure the area of rectangular shapes by using appropriate units such as square centimeter, square meter, square kilometer or square mile (4-1.1), understand that the length of a horizontal line segment equals the difference of the x-coordinates (4-2.2), construct a cube and rectangular box from two-dimensional patterns and use these patterns to compute the surface area for these objects (5-1.2), know that the sum of the angles of any triangle is 180 degrees and the sum of the angles of any quadrilateral is 360 degrees and use this information to solve problems (5-2.2). 4. **Statistics, Data Analysis, and Probability:** Students formulate survey questions; systemically collect and represent data on a number line; and coordinate graphs, tables, and charts (4-1.1), use fractions and percentages to compare data sets of different sizes (5-1.3), identify ordered pairs of data from a graph and interpret the meaning of the data in terms of the situation depicted by the graph (5-1.4), know how to write ordered pairs correctly (5-1.5).	This course will focus on meeting the California content standards in math. Students will develop skills in number sense; Algebra and functions; measurement and Geometry; statistics, data analysis, and probability. *Open entry/open exit
Methods of Study	**Evaluation of Performance Standards**
1. Students will complete all activities assigned. 2. Students will participate in discussion with other class members and/or teacher.	1. Students will complete all assignments with a minimum of 70% accuracy. 2. The supervising teacher will be satisfied with the quality of the student's work. 3. The student must receive a minimum score of 70% on a teacher assigned final evaluation.