

**GENERAL INFORMATION SHEET  
SANTA ROSA JUNIOR COLLEGE  
MATH 151 ELEMENTARY ALGEBRA**

Mr. Gale Bach

Fall 2017

Class Time: **151-1:** Monday – Wednesday 1:30pm to 3:00pm and Tuesday – Thursday 1:30pm to 2:30pm.

**151-2:** Tuesday – Thursday 3:00pm to 5:30pm.

Room: **Math 151-1:** Room 1713 Shuhaw Hall **Math 151-2:** Room 1737 Shuhaw Hall

Office Hours: Monday – Wednesday 3:00pm to 4:30pm, Tuesday – Thursday 9:00am to 10:00am, or by appointment, Office 1716 in Shuhaw Hall.

Message: 527 - 4994

email: [gbach@santarosa.edu](mailto:gbach@santarosa.edu) and Website: <https://profiles.santarosa.edu/gale-w-bach>

Prerequisites: Must have completed CSKL 372 or an equivalent course with a "C" or better, or qualified by placement exam.

Course Description: This course is a one semester standard beginning algebra course, topics include solving linear and quadratic equations and inequalities in one variable, cartesian coordinate system, graphing linear equations and inequalities, using slope-intercept method and intercepts method, and finding the equation of a line; operations with polynomials, and factoring polynomials; using properties of integer exponents to simplify algebraic expressions. Simplification and operations of rational expressions, complex fractions, and solving rational equations. Solving systems of equations in two variables by graphing, addition, and substitution. Simplifying radical expressions, rational exponents, and solving radical equations. Solving quadratic equations by square root method, completing the square, and quadratic formula. Graphing quadratic functions of the form  $y = ax^2 + bx + c$ . Applications and mathematical modeling of all the notions discussed above.

Attendance: Four absences and the student may be dropped from the course. However, if the student wishes to be dropped, a formal drop-slip must be handed in at Plover Hall or dropped online through your student portal by the date stated in the schedule of classes or an "F" grade will result. Please be on time, arriving late is disruptive to the class and instruction. **Turn off cell phones, and keep them in your backpacks!**

Assignments: All written work is to be handed in on 8 ½ X 11 engineering binder paper. The heading and format used on the front page should be that shown in the following outline:

|                                      | <u>Course # &amp; Instructor</u>                             | <u>Assn. #</u>   | <u>Name</u> | <u>Roll #</u> |
|--------------------------------------|--|--|-------------|---------------|
|                                      | Math 151-1 or -2, Bach                                       | Assn. #1   | White, Bob  | 31            |
|                                      | Section 2.1 Page 84: <b>15, 40, 65, 70, 110</b> ; 5-110 (5n) |  |             |               |
| Each<br>Problem<br>Clearly<br>Number | #15  | Complete Solutions Written Here<br>(Clearly Indicate Your Answer.) |             |               |
|                                      | #40  | Draw lines to separate problems.                                   |             |               |

Homework assignments will be graded on a ten point basis. Five problems will be chosen to determine your score. If the assignment is incomplete, two points are subtracted from the assignment total. The work should appear in pencil on the front side of the paper. Do not write on the back. Clearly identify each assignment with the appropriate heading, every problem must be supported by sufficient work and the answer clearly indicated. Problems and pages must be in their proper order and pages must be fastened together by a staple. Assignments must be handed in at the end of class on the day they are due. One of your homework assignments will be dropped when calculating your final grade. You can earn back those points missed on homework assignments by reworking those problems that were solved incorrectly. An incomplete assignment will **NOT** qualify for corrections. You get two weeks to do the corrections from the time the assignment is handed back. Corrections must be handed in during one of my office hours. **NO late or absent assignments will be accepted, do not slip assignments under my office door, or give it to the secretary. NO corrections will be accepted in the seventeenth week.**

- Tests:
1. There will be four exams given, each one and one-half hours in length.
  2. The final will cover all the material in the course.

**Note: No make-up for tests if they are missed.** (If your homework score is greater than 70% and the final is greater than your lowest test score, the final score will replace it. If two or more of your lowest test scores are the same, the final will only replace one of them.)

Academic Integrity: <http://www.santarosa.edu/polman/3acadpro/3.11P.pdf>

Student Learning Outcomes:

[https://portal.santarosa.edu/SRweb/SR\\_CourseOutlines.aspx?CVID=24400&Semester=20137](https://portal.santarosa.edu/SRweb/SR_CourseOutlines.aspx?CVID=24400&Semester=20137)

Course Grade: The following weighing factors will be used to determine your grade:

Homework: 20%  
Tests: 50%  
Final: 30%

Grading Scale:

90% - 100% A  
80% - 89% B  
68% - 79% C  
55% - 67% D  
Less Than 55% F

Materials:

1. Textbook: *Beginning Algebra 7<sup>th</sup> Edition*  
Author: Elayn Martin-Gay  
ISBN-13: 978-0-13-420880-0 (I do not use MyMath Lab)

2. 8 ½ X 11 Engineering Paper
3. Calculator, preferably the TI-84 graphing calculator
4. Student solution guide to odd problems is recommended, but is not required.