

**Math 25 Pre-Calculus College Algebra Section 1107**  
**Fall 2017                      Santa Rosa Junior College**

**Instructor:** Bic Ha DoVan [bdovan@santarosa.edu](mailto:bdovan@santarosa.edu)

**Office & Phone:** 1718 Shuhaw / 707-778-3663 (Email is better!)

**Days & Times & Location:** Monday & Wednesday 9:00 – 10:30 am / 1713 Shuhaw

**Office Hours:** 10:30 – 11:00 am Monday & Wednesday; 9:00 – 9:30 am Tuesday.

**Prerequisite:** Qualifying Placement Score or Completion of Math 154 or 155 or higher (V1).

**Required Textbook:** College Algebra by Carl Stitz and Jeff Zeager, 3rd Corrected Edition, FREE ONLINE textbook: <http://www.stitz-zeager.com/szcprecalculus07042013.pdf> You can obtain a hard copy of the text at the link: <http://www.lulu.com/shop/carl-stitz/college-algebra-3rd-corrected-edition/paperback/product-21662390.html> or at the college bookstore. Check both campuses! You have the option of using WebAssign for online homework. The access code includes an ebook for the class. CANVAS is linked to WebAssign so if you intend to use online homework instead of the textbook, you can login and pay for the WebAssign access code for our class from CANVAS.

**Course Description:** Topics from college algebra, including analytic geometry, functions (including radical, rational, exponential, logarithmic), and their graphs, complex numbers, sequences and series.

**Calculator:** Class demonstrations will be on a TI- 83 or 84. You may use a graphing calculator for any take-home work. No graphing calculators are allowed on quizzes. Graphing calculators are allowed on some parts of the exams.

**Registration, Drop, and Grade Change Deadlines:** I will adhere to ALL registration deadlines published by SRJC. For full term classes in the Fall 2017 term the deadlines are:

- Last day to drop semester length class and be eligible for a refund .....9/03/2017
- Last day to drop a class **without** a “W” symbol ..... 9/10/2017
- Last day to drop a class **with** a “W” symbol .....11/19/2017

For the full SRJC Academic Calendar, use the link

<https://admissions.santarosa.edu/academic-calendar#fall2017>

**American Disabilities Act:** If you need disability related accommodations for this class, such as a note-taker, test-taking services, special furniture, etc., please provide the Authorization for Academic Accommodations (AAA letter) from the Dis-Ability Resources Department (DRD) to me as soon as possible. You may also speak to me privately during office hours about your accommodations. If you have not received authorization from DRD, it is recommended that you contact them directly. The DRD is located on the Third Floor in the Bertolini Student Center, Room 4844.

**Communication:** Please check your Canvas account and your SRJC email daily for any announcements, handouts or assignments. If you email me Monday – Friday between 8:00 am – 5:00 pm, I am able to respond within 24 hours. Please include your full name.

**Attendance:** It is very important that you attend every class. However, if you do miss a class you are responsible for all announcements and material covered in your absence. SRJC’s attendance requirements can be found at the link: <https://de.santarosa.edu/sites/de.santarosa.edu/files/8.1.5P.pdf>

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### Grading:

Homework (Online OR Textbook)	10 %
Quizzes (Best 4)	8 %
Exams (3 @ 20% each)	60 %
<u>Final Exam</u>	<u>22 %</u>
Total	100 %

Your grade will be based on the standard scale:

A: 90-100%

B: 80-89%

C: 70-79%

D: 60-69%

F: 0-59%

**Two Homework Options:** Textbook or Online with WebAssign. You have one week to choose which option to use for the entire semester. In order to succeed in the class you must do all of the assigned problems. Please see separate handout for more details on homework policy and the format to be used. Some students can understand the material after doing the assigned problems. If you need to do more than the assigned number of problems to understand the material, then definitely practice more problems on your own. Expect 2 – 3 hours of homework for every hour of class meeting time (6 – 9 hours per week).

**Quizzes:** Quiz problems will be similar to the homework problems. **No make-up quizzes** will be given, even if you have an excused absence. Only your top 4 quizzes will count towards your final grade, so your lowest quiz will be dropped. No graphing calculators are allowed on quizzes. A scientific calculator is OK.

**Exams:** There will be **three in-class exams**. You have to show your work and use proper mathematical notation to receive full credit. A correct answer without supporting work will receive 0 points. **There are no make-up exams**. If you have a homework score of 75% or higher for the semester, I will replace your lowest exam score with the final exam score if it improves your grade. Parts of the exam do not allow for a graphing calculator.

**Final Exam:** The Final Exam is comprehensive and given at 7:00 – 9:45 am on Wednesday, Dec. 20, 2017.

**Academic Integrity:** <https://studentlife.santarosa.edu/academic-integrity>

Exams, Quizzes and the Final Exam must be done by the student alone.

Any student and all those involved who violate this rule will receive a zero on the Quiz, Exam or Final Exam.

A second offense may result in failing the course.

**Resources:** If you are struggling with the material in class, please come see me right away! Aside from my office hours, you have the following free services available on campus:

- Computer and Mathematics Labs in Shuhaw Hall, Rooms 1733 & 1735
- Santa Rosa Campus's Tutorial Center on the first floor of Doyle library
- Petaluma Campus's Tutorial Center in Kathleen Doyle Hall, 2nd Floor, Room 247.

Also, any student who has declared a Calculus based Science Major can join MESA, located in Bertolini. They have tutoring services and so much more!

**Class Conduct:** You are expected to act with respect and in a courteous manner toward me and your classmates. Please turn off your cell-phones before the class begins. DO NOT TEXT DURING CLASS, or you may be asked to leave the classroom. If you use a laptop for note-taking accommodations, please sit in the front row with the sound off. You are expected to adhere to the Student Conduct Code in this class. Student Conduct Code: <https://student-conduct.santarosa.edu/student-conduct-and-discipline-due-process>

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### *Tentative Schedule*

Week / Date	Monday	Wednesday
1: Aug. 21/23	Introduction to course; Review & Worksheet; 1.1 The Set of Real Numbers & the CCP	1.1 Set of Real Numbers and the Cartesian Coordinate Plane 7.2 Circles
2: Aug. 28/30	1.2 Relations 1.3 Functions	1.4 Function Notation <b>Quiz #1</b>
3: Sept. 4/6	<b>NO CLASSES Labor Day Holiday</b>	1.5 Function Arithmetic 1.6 Graphs of Functions
4: Sept. 11/13	1.6 Graphs of Functions 1.7 Transformations	2.1 Linear Functions <b>Quiz #2</b>
5: Sept. 18/20	2.2 Absolute-Value Functions Catch Up	<b>Exam 1</b> <b>(Covers Sections 1.1 – 1.7, 2.1, 7.2)</b>
6: Sept. 25/27	2.3 Quadratic Functions	2.4 Inequalities with Absolute-Value and Quadratic Functions
7: Oct. 2/4	3.1 Graphs of Polynomials 3.2 The Factor and Remainder Theorem	3.3 Real Zeros of Polynomials <b>Quiz #3</b>
8: Oct. 9/11	3.4 Complex Zeros and the Fundamental Theorem of Algebra 4.1 Introduction to Rational Functions	4.1 Introduction to Rational Functions 4.2 Graphs of Rational Functions
9: Oct. 16/18	4.3 Rational Inequalities and Applications Catch Up	<b>Exam 2 (Covers Sections 2.2 – 2.4, 3.1 – 3.4, 4.1, 4.2)</b>
10: Oct 23/25	5.1 Function Composition	5.2 Inverse Functions
11: Oct.30/Nov.1	5.3 Other Algebraic Functions	6.1 Introduction to Exponential and Logarithmic Functions; <b>Quiz #4</b>
12: Nov. 6 / 8	6.2 Properties of Logarithms	6.3 Exponential Equations 6.4 Logarithmic Equations
13: Nov. 13/15	6.4 Logarithmic Equations	6.5 Applications of Exponential and Logarithmic Functions; <b>Quiz #5</b>
14: Nov. 20/22	Catch Up/ Review	<b>Exam 3</b> <b>(Covers Sections 4.3, 5.1 – 5.3, 6.1 – 6.5)</b>
15: Nov. 27/29	8.7 Systems of Non-Linear Equations and Inequalities	8.7 Systems of Non-Linear Inequalities 11.10 Parametric Equations
16: Dec. 4 / 6	11.10 Parametric Equations 9.1 Sequences	9.1 Sequences 9.2 Summation Notation
17: Dec. 11/ 13	9.2 Summation Notation <b>Quiz #6</b>	Review Final Exam
18: Dec. 18/20	<b>NO CLASSES Finals Week</b>	<b>COMPREHENSIVE</b> <b>Final Exam **7:00 – 9:45 am**</b>

*This tentative schedule may be modified when necessary to accommodate changes in scheduling and pace of class. All above dates are subject to change except for the final exam date.*