

Math 25 Pre-Calculus College Algebra Section 4433
Spring 2018 Santa Rosa Junior College

Instructor: **Bic Ha DoVan** bdovan@santarosa.edu

Days & Times & Location: **Monday & Wednesday 9:00 – 10:30 am / 1765 Shuhaw**

Office & Phone: **1746 Shuhaw / 707-778-3663** (Email is better!)

Office Hours: **Monday 10:30 – 11:30 am**

Tuesday 10:30 – 11:30 am

Wednesday 10:30 – 11:30 am AND 2:00 – 3:00 pm

Thursday 10:30 – 11:30 am

OR by appointment if needed.

Prerequisite: Qualifying Placement or Grade C or higher in 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.

The textbook is also on reserve at the Doyle Library, Call Number: **QA154.3 S75 2013**

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- 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.

Admissions and Records Deadlines: I will adhere to ALL registration deadlines published by SRJC. For full term classes in the Spring 2018 term the deadlines are:

- Last day to drop semester length class and be eligible for a refundJan. 28, 2018
- Last day to drop a class **without** a “W” symbol Feb. 4, 2018
- Last day to drop a class **with** a “W” symbolApril 22, 2018

For the full SRJC Academic Calendar, use the link

<https://admissions.santarosa.edu/academic-calendar#spring2018>

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>

Grading:	Homework (4 Sets)	12 %
	Quizzes (Best 3)	6 %
	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%

Homework: I collect Homework assignments regularly. I do NOT accept late homework. You may email me a scanned or screen shot of your Homework if you will be absent. I will accept a maximum of 2 absent days of scanned email assignments for the semester. The Homework is divided into four (4) HW Sets for grades during the semester. There is a separate Homework Assignment Sheet with due dates, problems and format for turning in homework.

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 3 quizzes** will count towards your course grade, so your lowest quiz will be dropped. No graphing calculators are allowed on in-class quizzes. A scientific calculator is OK.

Exams: There will be **three in-class exams**. You must 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 70% 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 exams do not allow for a graphing calculator.

Final Exam: The Final Exam is comprehensive and given at **7:00 – 9:45 am on Wednesday, May 23, 2018**. Please plan accordingly. I will not give any final exams before finals' week.

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 and have it off your desk. 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

Spring 2018 (DoVan)

Week / Date	Monday	Wednesday
1: Jan. 15 / 17	NO CLASSES: Holiday Happy Birthday Martin Luther King	Introduction, syllabus; Review Worksheet; 1.1 Set of Real Numbers
2: Jan. 22 / 24	1.1 Set of Real Numbers and the Cartesian Coordinate Plane; 1.2 Relations	Finish 1.2 Relations; 1.3 Functions
3: Jan. 29 / 31	Finish 1.3 Functions; 1.4 Function Notation	1.5 Function Arithmetic; Quiz #1
4: Feb. 5 / 7	1.6 Graphs of Functions; <i>Library of Functions Supplement</i>	1.7 Transformations Quiz #2
5: Feb. 12 / 14	2.1 Linear Functions; Catch Up	Exam 1 (Covers Sections 1.1 – 1.7, Supplement)
6: Feb. 19 / 21	NO CLASSES: Holiday Happy Birthday Presidents	2.2 Absolute-Value Functions; 2.3 Quadratic Functions
7: Feb. 26 / 28	Finish 2.3 Quadratic Functions; 2.4 Inequalities with Absolute-Value and Quadratic Functions	3.1 Graphs of Polynomials; 3.2 The Factor and Remainder Theorem
8: Mar. 5 / 7	Finish 3.2 The Factor and Remainder Theorem; 3.3 Real Zeros of Polynomials	3.4 Complex Zeros and the Fundamental Theorem of Algebra; Quiz #3
9: Mar. 12 / 14	4.1 Introduction to Rational Functions; Catch Up	Exam 2 (Covers Sections 2.1 – 2.4, 3.1 – 3.4)
10: Mar. 19 / 21	NO CLASSES: Spring Break	NO CLASSES: Spring Break
11: Mar. 26 / 28	Finish 4.1 Introduction to Rational Functions; 4.2 Graphs of Rational Functions	4.3 Rational Inequalities and Applications; 5.1 Function Composition
12: April 2 / 4	Finish 5.1 Function Composition; 5.2 Inverse Functions	Finish 5.2 Inverse Functions; Quiz #4
13: April 9 / 11	6.1 Introduction to Exponential and Logarithmic Functions	6.2 Properties of Logarithms; 6.3 Exponential Equations
14: April 16/ 18	Finish 6.3 Exponential Equations; 6.4 Logarithmic Equations	Finish 6.4 Logarithmic Equations 6.5 Applications of Exponential and Logarithmic Functions
15: April 23/ 25	Finish 6.5 Applications of Exponential & Logarithmic Functions; Catch Up / Review	Exam 3 (Covers Sections 4.1 – 4.3, 5.1, 5.2, 6.1 – 6.4)
16: April 30/ May 1	7.2 Circles	8.7 Systems of Non-Linear Equations and Inequalities
17: May 7 / 9	9.1 Sequences	9.2 Summation Notation
18: May 14 / 16	11.10 Parametric Equations Quiz #5	Review Final Exam
19: May 21 / 23	NO CLASS: Finals Week	COMPREHENSIVE Final Exam **7:00 – 9:45 am**

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.