

**Course Syllabus**  
**Math 27 PreCalc & Trig, Fall 2022**

**Section #1935**  
**M&W 5:00-8:00PM in Kunde 101**

**Instructor Information**

Instructor: Cortney Schultz

Email: [cschultz@santarosa.edu](mailto:cschultz@santarosa.edu)

Office location: Kunde Hall 219

Phone: (707) 527-4705

In-Person office hours:    MW 11:30-12:00PM    MW 4:00-5:00PM    MW 8:00-8:30PM (held in Kunde 101)

**Prerequisite:** Completion of MATH 156 OR MATH 154 OR MATH 155 or AB705 placement into Math Tier 3 or higher. *Math Tier 3 means that you have Passed Algebra 2 or Integrated Math 3 with C or better and have a HS GPA less than 2.7*

**Course Description:** College algebra and trigonometry topics, including equations, expressions, functions, inverse functions, and graphs. Also includes polar coordinates, parametric equations, complex numbers, vectors, sequences and series.

This course is one in where you will learn pre-calculus and trigonometry in one semester.

That is a lot of material! If you feel that you would prefer to take precalculus and trigonometry separately, you have the option to sign up for Math 25 (pre-calculus) one semester and Math 58 (trigonometry) the following semester.

**Student Learning Outcomes:** Here is the link for Math 27 course outline at SRJC.

[https://portal.santarosa.edu/srweb/SR\\_CourseOutlines.aspx?CVID=51161&Semester=20227](https://portal.santarosa.edu/srweb/SR_CourseOutlines.aspx?CVID=51161&Semester=20227)

**Required Course Materials**

**Calculator:** A graphing calculator is required for this course. I will be demonstrating on a TI 84+. You are not allowed to use computer calculators on exams.

**Textbook:** *College Algebra*, 3<sup>rd</sup> corrected edition by Carl Stitz & Jeff Zeager (this is a FREE online textbook)

**Link to textbook:** <https://www.stitz-zeager.com/szprecalculus07042013.pdf>

**WebAssign Online Homework:** Homework will be completed and submitted online.

To access the online homework, you must purchase an access code. WebAssign online homework allows students 2 weeks of free access before asking them to purchase the access code.

To create an account for WebAssign, go to the website: <https://www.webassign.net/wa-auth/login>

You can also access WebAssign through our Canvas course page.

<b>Grading</b>	Group Quizzes	10%	$A \geq 90$
	Homework	15%	$80 \leq B < 90$
	Exams (4 @ 15% each)	60%	$70 \leq C < 80$
	<u>Comprehensive Final Exam</u>	<u>15%</u>	$60 \leq D < 70$
		100%	$F < 60$

**Exams**

Exams will be proctored and taken in person. Unless the state of our community and world change for some unexpected reason, there will be no online exams throughout the semester.

Four midterm exams and a comprehensive final exam will be given during the semester, and all exams must be taken on the scheduled dates. **If you miss an exam, you must contact me within 24 hours.**

If the absence is excused, your final exam score will replace your missed midterm score.

Make-up exams are not given.

## Canvas

Throughout the course, I will post notes, handouts, exam keys, grades, and other resources on Canvas.

## Group Quizzes

Ten group quizzes will be given throughout the semester. You may submit your quiz in person or submit your quiz on Canvas. One submission for each group will be graded and everyone in that group will receive the same score – make sure to go over your solutions with your group members before turning in your quizzes! Your 2 lowest group quiz scores will be dropped.

Quizzes will be due on select **Wednesdays** by 11:59PM.

## Homework Grading/Late Homework

Select homework sections will be due twice a week on **Sundays** and **Thursdays** by 11:59PM.

You have 5 *attempts* at answering a homework question. If the first 2 attempts are incorrect, SEEK HELP.

If homework is not completed by the due date and time, you have 24 hours to complete the remaining problems for half-credit.

## Attendance

Daily attendance is essential to your success in this course. You may be dropped from the course if you have more than 5 absences. Arriving late or leaving class early may count as an absence.

## Class Behavior Rules

- ❖ Students are to act respectfully and pay attention while in class.
- ❖ Please arrive on time and stay for the entire class period.
- ❖ Cell phones are to be turned off or set to silent mode.
- ❖ Students are expected to read the textbook.
- ❖ Students are expected to ask questions.
- ❖ Students are expected to be active participants in their education and do their best every day.

## Important Academic Calendar Dates

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|---|---|
| • Monday, August 15 <sup>th</sup>         | Classes begin                                     |
| • Sunday, August 28 <sup>th</sup>         | Last day to drop a class and receive a refund     |
| • Sunday, September 4 <sup>th</sup>       | Last day to drop a class without a “W” symbol     |
| • <b>Sunday, November 13<sup>th</sup></b> | <b>Last day to drop a class with a “W” symbol</b> |
| • <b>MONDAY, DECEMBER 12<sup>th</sup></b> | <b>FINAL EXAM (4:00-6:45PM)</b>                   |

## Cheating/Plagiarism

Please read SRJC’s policy/procedure on academic integrity at

<http://www.boarddocs.com/ca/santarosa/Board.nsf/goto?open&id=A63TMC78051C>

All exams (including the final) must be done by the student alone. Any student who violates this rule will receive a zero. A student who commits a second offense may receive a failing grade in the class.

Reminder: COPYING SOLUTIONS FROM THE INTERNET IS CHEATING

## Accommodations for Disabilities

Please provide the Authorization for Academic Accommodations (AAA letter) from the Disability Resources Department (DRD) to me as soon as possible. You may also speak with me privately during office hours about your accommodations.

## Tutoring

Free tutoring is available to all registered SRJC students.

- **SRJC Tutorial Centers** can be accessed through the website: <https://college-skills.santarosa.edu/srjc-tutorial-centers>
- **Math Lab Tutorial Center:** <https://mathematics.santarosa.edu/online-math-lab-tutoring>

## Calculator & Laptop Rentals

Students may place online requests for Reserve items, including textbooks, calculators and laptops. This curbside pick-up service will be available by appointment. Loan periods will be for the entire Spring 2022 semester. Reserve item check-outs to students will be on a first-come, first-served basis, until all physical copies are gone. Students will keep Reserve items for the entire semester.

Use this link to find more information about rentals: <https://libguides.santarosa.edu/RemoteAccess>

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
	5:00-8:00PM		5:00-8:00PM	
Week 1 Aug 15 - Aug 18	<i>Syllabus/Intro</i> 1.2 Relations		1.3 Intro to Functions 1.4 Function Notation	
Week 2 Aug 22 - Aug 25	1.5 Function Arithmetic 1.6 Graphs of Functions <b>GROUP QUIZ #1</b>		1.6 Graphs of Functions 1.7 Transformations	
Week 3 Aug 29 - Sep 1	1.7 Transformations & Graphs of Piece-Wise Functions <b>GROUP QUIZ #2</b>		2.1 Linear Functions <i>Exam 1 Review</i>	
Week 4 Sep 5 - Sep 8	<b>NO CLASS - LABOR DAY</b>		<b>EXAM 1</b> 2.2 Absolute Value Functions	
Week 5 Sep 12 - Sep 15	2.2 Absolute Value Functions 2.3 Quadratic Functions <b>GROUP QUIZ #3</b>		2.4 Inequalities with Absolute Value and Quadratic Functions	
Week 6 Sep 19 - Sep 22	3.1 Graphs of Polynomials 3.2 The Factor and Remainder Theorem <b>GROUP QUIZ #4</b>		3.3 Real Zeros of Polynomials 3.4 Complex Zeros and the Fundamental Theorem of Algebra	
Week 7 Sep 26 - Sep 29	3.4 Complex Zeros and the Fundamental Theorem of Algebra 4.1 Intro to Rational Functions <b>GROUP QUIZ #5</b>		4.1 Intro to Rational Functions 4.2 Graphs of Rational Functions	
Week 8 Oct 3 - Oct 6	4.3 Rational Inequalities and Applications <i>Exam 2 Review</i>		<b>EXAM 2</b> 4.3 Rational Inequalities and Applications	
Week 9 Oct 10 - Oct 13	5.1 Function Composition 5.2 Inverse Functions <b>GROUP QUIZ #6</b>		5.2 Inverse Functions 5.3 Other Algebraic Functions	

Week 10 Oct 17 - Oct 20	6.1 Introduction to Exponential and Logarithmic Functions 6.2 Properties of Logarithms <b>GROUP QUIZ #7</b>		6.3 Exponential Equations 6.4 Logarithmic Equations	
Week 11 Oct 24 - Oct 27	6.4 Logarithmic Equations 6.5 Applications of Exponential & Logarithmic Functions		10.1 Angles & their Measure <i>Exam 3 Review</i>	
Week 12 Oct 31 - Nov 3	<b>EXAM 3</b>		10.2 The Unit Circle	
Week 13 Nov 7 - Nov 10	10.3 The Six Circular Functions & Identities 10.4 Trig Identities		<b>NO CLASSES - PDA FLEX DAY</b>	<b>NO CLASSES - VETERANS DAY</b>
Week 14 Nov 14 - Nov 17	10.4 Trig Identities 10.5 Graphs of Trig Functions <b>GROUP QUIZ #8</b>		10.5 Graphs of Trig Functions 10.6 Inverse Trig Functions	
Week 15 Nov 21 - Nov 24	10.6 Inverse Trig Functions 10.7 Trig Equations <b>GROUP QUIZ #9</b>		10.7 Trig Equations	<b>NO CLASSES - THANKSGIVING</b>
Week 16 Nov 28 - Dec 1	11.7 Polar Form of Complex Numbers <i>Exam 4 Review</i>		<b>EXAM 4</b> 11.8 Vectors	
Week 17 Dec 5 - Dec 8	11.8 Vectors 11.9 Dot Product and Projection		11.2 The Law of Sines 11.3 Law of Cosines	
Finals Week Dec 12 - Dec 16	<b>MONDAY, DECEMBER 12<sup>th</sup> FINAL EXAM (4:00-6:45PM)</b>			

Note: Schedule is subject to change throughout the semester