

Course Syllabus – Fall 2025

Math 1A Calculus

Math 201 Calculus Co-req Support

CLASSROOM: Lindley 271

Section#0899 MW 3-4:30PM & TH 3-4PM

Section#1028 TTH 4-5PM

Instructor Information

Instructor: Cortney Schultz

Email: cschultz@santarosa.edu

Office location: Kunde Hall 219

Phone: (707) 527-4705

Office Hours: All office hours are in person.

Monday & Wednesday: 4:30-5:30PM (Lindley 271)

Tuesday & Thursday: 1-1:30PM (Kunde 219) and 2:30-3PM (Lindley 271) and 5-5:30PM (Lindley 271)

You may schedule an appointment if you have a schedule conflict with the times listed above

Email Expectations: The best way to contact Prof. Schultz is by email cschultz@santarosa.edu or by sending a message through Canvas. During the week, you can expect an email response within 24 hours. You may get a response sooner, but there is no guarantee. If you email Prof. Schultz during the weekend, you can expect a response on Monday.

Grading for Math 1A

Traditional grading scheme

		$A \geq 90$
Homework	15%	$80 \leq B < 90$
Exams (4 @ 17% each)	68%	$70 \leq C < 80$
<u>Comprehensive Final Exam</u>	<u>17%</u>	$60 \leq D < 70$
	100%	$F < 60$

Grading for Math 201

Pass/No Pass

Math 201 Quizzes	40%	
Exam Rewrites	50%	$PASS \geq 70$
<u>Final Exam Review</u>	<u>10%</u>	$NO PASS < 70$
	100%	

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: *Calculus: Early Transcendentals, 9th Edition*, by James Stewart with WebAssign access code.

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

Here are four purchasing options:

Option #1: Purchase the hardback textbook and the WebAssign access code (E-textbook included).

Option #2: Purchase the loose-leaf textbook and the WebAssign access code (E-textbook included).

Option #3: Purchase only the WebAssign access code (E-textbook included).

Option #4: Purchase a Cengage Unlimited subscription - you get access to all Cengage online textbooks, platforms, etc. (recommended for students who are using Cengage textbooks in other classes).

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.

MATH 1A Course Description: Limits and continuity, differentiation, applications of the derivative, integration, applications of the integral.

Prerequisite: Completion of MATH 27 or higher (MATH); OR Course Completion of MATH 25 and MATH 58; OR AB705 placement into **Math Tier 4**

Student Learning Outcomes: Here is the [link](#) for Math 1A course outline at SRJC. At the conclusion of this course, the student should be able to:

1. State and apply basic definitions, properties, and theorems of first semester calculus.
2. Calculate limits, derivatives, definite integrals, and indefinite integrals of algebraic and transcendental functions.
3. Model and solve application problems using derivatives and integrals of algebraic and transcendental functions.

Math 201 Course Description: Students will receive additional instructional support to enhance learning and promote conceptual understanding of Calculus 1. This course gives students an opportunity to strengthen their study skills and foundational mathematics competencies, and it allows more time with their instructor. Required for students who are concurrently enrolled in Math 1A and who have not passed precalculus in high school or have a high school GPA less than 2.7. All Math 1A students who wish additional support are welcome and encouraged to enroll in this course.

Prerequisites/Corequisites: Concurrent Enrollment in MATH 1A

Student Learning Outcomes: Here is the [link](#) for the Math 201 course outline at SRJC. At the conclusion of this course, the student should be able to:

1. Apply effective learning strategies for success in college-level mathematics.
2. Utilize precalculus algebra and trigonometry concepts and skills necessary for success in Calculus 1.

Exams

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 have a DRD accommodation, it is your responsibility to discuss and schedule your exam accommodations with Prof. Schultz at least 1 week in advance.

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. If you are absent due to an illness, you are required to provide Prof. Schultz with a doctor's note.

Homework Grading/Late Homework

Select homework sections will be due twice a week on **Tuesdays** 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.

Math 201 Quizzes

Four in-class quizzes will be given throughout the semester to help you prepare for upcoming Math 1A exams. There are no makeups for these quizzes. You must be in class to take them. If you are absent for a quiz, you will receive a zero.

Exam Rewrites

Exam rewrites count towards your Math 201 grade. These assignments will give you an opportunity to take the time to review and correct select problems on your Math 1A exam.

Canvas

Throughout the course, I will be posting notes, handouts, chapter review keys, and exam keys on Canvas. You may also keep up with your current grade by using Canvas.

Attendance

Daily attendance is essential. You may be dropped from the course if you have more than 4 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

- Monday, August 18th Fall semester begins
- Sunday, August 31st Last day to drop a class and receive a refund
- Sunday, September 7th Last day to drop a class without a "W" symbol
- **Sunday, November 16th Last day to drop a class with a "W" symbol**
- **MATH 1A FINAL EXAM: Monday, December 15 (1:00 – 3:45PM)**
- **MATH 201 FINAL EXAM: Tuesday, December 16 (1:00 – 3:45PM)**

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 quizzes & exams (including the final) must be done by the student alone. Any student who violates this rule will receive a zero and may be reported to academic affairs for their offense. A student who commits a second offense may receive a failing grade in the class.

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.

Emergency Evacuation

In the event of an emergency during class that requires evacuation of the building, please leave the class immediately and calmly. If you are a student who may need assistance in an evacuation, please see me as soon as possible to discuss an evacuation plan.

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>

Course Calendar

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
	3:00-4:30 PM	3:00 PM - 5:00 PM	3:00-4:30 PM	3:00 PM - 5:00 PM
Week 1 Aug 18-21	Introduction, Linear Functions	Function Notation	2.1 Tangent & velocity	2.1 Tangent & velocity
Week 2 Aug 25-28	2.2 Limit of a function	2.3 Calculating limits	2.3 Calculating limits	2.3 Calculating limits
Week 3 Sep 1-4	Labor Day Holiday	Finding the domain of a function algebraically	2.5 Continuity	2.6 Horizontal Asymptotes
Week 4 Sep 8-11	2.6 Horizontal Asymptotes	Math 201 QUIZ 1 2.7 Derivatives	2.7 Derivatives	2.7 Derivatives <i>Exam 1 Review</i>
Week 5 Sep 15-18	MATH 1A EXAM 1 (2.1-2.3, 2.5, 2.6)	2.8 Derivatives	3.1 Derivative Rules	3.2 Derivative Rules
Week 6 Sep 22-25	TRIG FUNCTION REVIEW	3.3 Derivatives of Trig Functions	3.4 Chain Rule	3.4 Chain Rule
Week 7 Sep 29 - Oct 2	3.4 Chain Rule	3.5 Implicit Differentiation	3.5 Implicit Differentiation	3.6 Derivatives of logs
Week 8 Oct 6-9	3.9 Related Rates	Math 201 QUIZ 2 3.9 Related Rates	3.10 Linear approx	3.11 Hyperbolic Functions <i>Exam 2 Review</i>
Week 9 Oct 13-16	MATH 1A EXAM 2 (2.7, 2.8, 3.1-3.6, 3.9)	4.1 Maximums and minimums	4.1 Maximums and minimums	4.2 Mean Value Theorem
Week 10 Oct 20-23	4.3 Derivatives & Graphs	4.4 L'Hospital's Rule	4.4 L'Hospital's Rule	4.7 Optimization
Week 11 Oct 27-30	4.7 Optimization	Math 201 QUIZ 3 4.9 Antiderivatives	4.9 Antiderivatives	5.1 Area & Distance
Week 12 Nov 3-6	5.2 Definite Integrals	5.2 Definite Integrals <i>Exam 3 Review</i>	MATH 1A EXAM 3 (3.10, 3.11, 4.1-4.4, 4.7, 4.9)	5.3 Fundamental Theorem of Calculus
Week 13 Nov 10-13	5.3 Fundamental Theorem of Calculus	Veteran's Day Holiday	5.4 Indefinite integrals & net change	5.5 Substitution rule
Week 14 Nov 17-20	5.5 Substitution rule	6.1 Areas between curves	6.1 Areas between curves	6.2 Volumes
Week 15 Nov 24-27	6.2 Volumes	Math 201 QUIZ 4 <i>Catch-up</i>	6.3 Volumes by cylindrical shells	Thanksgiving Holiday
Week 16 Dec 1-4	6.3 Volumes by cylindrical shells	MATH 1A EXAM 4 (5.1-5.5, 6.1)	6.5 Average value of a function	7.7 Approximate integration
Week 17 Dec 8-11	8.1 Arc Length	9.3 Separable equations	9.3 Separable equations	<i>Final Exam Review</i>
Finals Dec 15-18	MATH 1A FINAL EXAM: MONDAY, DEC 15 (1-3:45PM)			

Note: Schedule is subject to change throughout the semester