

**Course Syllabus**  
**Math 1A Calculus I, Fall 2024**

**Section # 1650**  
**T&TH 5:30-8PM in Lindley 204**

**Instructor Information**

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

Office location: Kunde Hall 219  
Phone: (707) 527-4705

**Office Hours:** All office hours are in person.

*Monday: 2-3PM (Kunde 219)*

*Wednesday: 6-7PM (Kunde 219)*

*Tuesday & Thursday: 2-3PM (Kunde 219) and 8-8:30PM (Lindley 204)*

*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](mailto: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.

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**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.
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**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, 9<sup>th</sup> 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.

<b>Grading</b>	Group Quizzes	10%	$A \geq 90$
	Homework	10%	$80 \leq B < 90$
	Exams (4 @ 16% each)	64%	$70 \leq C < 80$
	<u>Comprehensive Final Exam</u>	<u>16%</u>	$60 \leq D < 70$
		100%	$F < 60$

## 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.

## Quizzes

Group quizzes and in-class/individual quizzes will be given throughout the semester. You may submit group quizzes in person or on Canvas. For group quizzes, 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! Group quizzes will be due on select **Thursdays** by 11:59PM.

There are no makeups for in-class quizzes or group quizzes. Your lowest 2 quiz scores will be dropped.

## Homework Grading/Late Homework

Select homework sections will be due twice a week on \_\_\_\_\_ and \_\_\_\_\_ 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

- Monday, August 19<sup>th</sup>                      Fall semester begins
- Sunday, September 1<sup>st</sup>                      Last day to drop a class and receive a refund
- Sunday, September 8<sup>th</sup>                      Last day to drop a class without a "W" symbol
- **Sunday, November 17<sup>th</sup>                      Last day to drop a class with a "W" symbol**
- **FINAL EXAM: Tuesday, December 17<sup>th</sup> (4:00 - 6:45PM)**

## 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>

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
		5:30-8:00PM		5:30-8:00PM
Week 1 Aug 19-22		<i>Intro &amp; Syllabus</i> 2.1 Tangent & velocity <b>GROUP QUIZ #1</b>		2.1 Tangent & velocity 2.2 Limit of a function
Week 2 Aug 26-29		2.3 Calculating limits <b>GROUP QUIZ #2</b>		2.5 Continuity 2.6 Horiz. Asymptotes
Week 3 Sep 2-5	<b>NO CLASS</b>	2.6 Horiz. Asymptotes 2.7 & 2.8 Derivatives		3.1 & 3.2 Derivative Rules
Week 4 Sept 9-12		<b>EXAM 1</b> 3.1, 3.2, 3.3 Derivative Rules		3.3 Derivatives of trig functions 3.4 Chain Rule
Week 5 Sept 16-19		3.4 Chain Rule 3.5 Implicit Differentiation <b>IN CLASS QUIZ #3 (DERIVATIVE RULES)</b>		3.5 Implicit Differentiation 3.6 Derivatives of logs
Week 6 Sept 23-26		3.9 Related Rates <b>GROUP QUIZ #4</b>		3.10 Linear approx 3.11 Hyperbolic Functions
Week 7 Sept 30-Oct 3		4.1 Maximums and minimums		<b>EXAM 2</b> 4.1 Maxs & Mins
Week 8 Oct 7-10		4.2 Mean Value Theorem <b>GROUP QUIZ #5</b>		4.3 Derivatives & Graphs 4.4 L'Hospital's Rule
Week 9 Oct 14-17		4.4 L'Hospital's Rule <b>GROUP QUIZ #6</b>		4.7 Optimization
Week 10 Oct 21-24		4.7 Optimization 4.9 Antiderivatives		5.1 Area & Distance 5.2 Definite integral
Week 11 Oct 28-31		<b>EXAM 3</b> 5.2 Definite Integral		5.3 Fundamental Theorem of Calculus

Week 12 Nov 4-7		5.4 Indefinite integrals & net change 5.5 Substitution Rule <b>GROUP QUIZ #7</b>		5.5 Substitution rule
Week 13 Nov 11-14		<b>NO CLASS</b>		6.1 Areas between curves <b>IN CLASS QUIZ #8 (INTEGRALS)</b>
Week 14 Nov 18-21		6.2 Volumes <b>GROUP QUIZ #9</b>		6.3 Volumes by cylindrical shells
Week 15 Nov 25-28		6.5 Average value of a function 7.7 Approximate integration		<b>NO CLASS</b>
Week 16 Dec 2-5		8.1 Arc Length		<b>EXAM 4</b> <i>catch-up</i>
Week 17 Dec 9-12		9.3 Separable equations <b>GROUP QUIZ #10</b>		<i>Final Exam Review</i>
Finals Week Dec 16-19	<b>FINAL EXAM: Tuesday, December 17 (4:00-6:45PM)</b>			

Math 1A – Spring 2024 Syllabus Quiz

1. What is the best way to get in contact Prof. Schultz?
2. Where is her office?
3. What are the pre-requisites to get into Math 1A – Calculus 1?
4. **TRUE OR FALSE:** This course will use online homework.
5. What should you do if you have to miss an exam due to a valid excuse?
6. **TRUE OR FALSE:** There are 2 kinds of quizzes in this class, individual and group quizzes.
7. What day and time are group quizzes usually due?
8. **TRUE OR FALSE:** if you do poorly on the individual quizzes, your scores may possibly be dropped.
9. How many attempts do you have on each WebAssign homework question?
10. When is the last day to drop a class with a “W” symbol?
11. What is the date of your first exam?
12. What is the date and time of your final exam?