

Course Syllabus
Math 1A Calculus I, Fall 2021
Section # 0899

Monday 3-4:30PM in Barnett Hall 1275
Wednesday 3-5:30PM online
1 hour of asynchronous per week

Instructor Information

Instructor: Cortney Schultz

Email: cschultz@santarosa.edu

Office location: Kunde Hall 219

In-Person office hours (held in Kunde 219): M 1:30PM-2:30PM & 4:30-5:30PM, T 1:30-2:30PM

Zoom office hours (<https://santarosa-edu.zoom.us/j/97109763128>): W 1:30-2:30PM, TH 1:30-2:30PM

Phone: (707) 527 – 4705

Website: <https://profiles.santarosa.edu/cortney-schultz>

Prerequisite: Completion of MATH 27 or higher (MATH); OR Course Completion of MATH 25 and MATH 58; OR appropriate placement based on AB 705 mandates

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

Student Learning Outcomes: Here is the link for Math 1A course outline at SRJC.

https://portal.santarosa.edu/srweb/SR_CourseOutlines.aspx?CVID=48953&Semester=20195

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, 8th 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.

Grading	Group Quizzes	8%	$A \geq 90$
	Homework	12%	$80 \leq B < 90$
	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

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.

Class Meetings

Our class will meet in person on Mondays 3-4:30PM and online Wednesdays 3-5:30PM for the duration of the semester. There will be 1 hour of asynchronous instruction per week that is reserved for working on group quizzes or watching recorded lecture videos.

Group Quizzes

Ten group quizzes will be given throughout the semester. You will be required to write out solutions for problems, take pictures of your solutions, and upload your work to 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.

Homework Grading/Late Homework

Select homework sections will be due once a week (generally Sunday nights 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 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 watch lecture videos before coming to class.
- 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 16 th	Classes begin
Sunday, August 29 th	Last day to drop a class and receive a refund
Sunday, September 5 th	Last day to drop a class without a “W” symbol
Sunday, November 14th	Last day to drop a class with “W” symbol
MONDAY, DECEMBER 13th	FINAL EXAM (1-3:45PM)

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 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 Fall 2021 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>

Fall 2021 - Math 1A (MW 3-5:30)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
	3-4:30PM (in person)		3-5:30PM (online)	
Week 1 Aug 16 - Aug 19	<i>Introduction/Trig Review</i>		2.1 Tangent & velocity 2.2 Limit of a function	
Week 2 Aug 23 - Aug 26	2.2 Limit of a function 2.3 Calculating limits GROUP QUIZ #1		2.3 Calculating limits 2.5 Continuity	
Week 3 Aug 30 - Sep 2	2.6 Horiz. Asymptotes GROUP QUIZ #2		2.7 Derivatives 2.8 Derivatives as functions	
Week 4 Sep 6 - Sep 9	NO CLASS - LABOR DAY		3.1 & 3.2 Derivative Rules	
Week 5 Sep 13 - Sep 16	EXAM 1		3.3 Derivatives of trig functions 3.4 Chain Rule	
Week 6 Sep 20 - Sep 23	3.4 Chain Rule 3.5 Implicit Differentiation GROUP QUIZ #3		3.6 Derivatives of logs 3.9 Related Rates	
Week 7 Sep 27 - Sep 30	3.9 Related Rates 3.10 Linear approx GROUP QUIZ #4		3.10 Linear approx 3.11 Hyperbolic Functions	

Week 8 Oct 4 - Oct 7	4.1 Maximums and minimums GROUP QUIZ #5		4.2 Mean Value Theorem 4.3 Derivatives & Graphs	
Week 9 Oct 11 - Oct 14	EXAM 2		4.3 Derivatives & Graphs 4.4 L'Hospital's Rule	
Week 10 Oct 18 - Oct 21	4.4 L'Hospital's Rule 4.7 Optimization GROUP QUIZ #6		4.7 Optimization 4.9 Antiderivatives	
Week 11 Oct 25 - Oct 28	5.1 Area & Distance GROUP QUIZ #7		5.2 Definite integral 5.3 Fundamental Theorem of Calculus	
Week 12 Nov 1 - Nov 4	5.4 Indefinite integrals & net change GROUP QUIZ #8		5.5 Substitution rule	
Week 13 Nov 8 - Nov 11	EXAM 3		NO CLASSES - PDA FLEX DAY	NO CLASSES - VETERANS DAY
Week 14 Nov 15 - Nov 18	6.1 Areas between curves GROUP QUIZ #9		6.2 Volumes by disk & washer	
Week 15 Nov 22 - Nov 25	6.3 Volumes by cylindrical shells GROUP QUIZ #10		6.5 Average value of a function	NO CLASSES - THANKSGIVING
Week 16 Nov 29 - Dec 2	EXAM 4		7.7 Approximate integration 8.1 Arc Length	
Week 17 Dec 6 - Dec 9	9.3 Separable equations		Final Exam Review	
Finals Week Dec 13 - Dec 16	FINAL EXAM: MONDAY, DECEMBER 13 (1:00PM - 3:45PM) - FINAL WILL BE IN PERSON			

Note: Schedule is subject to change throughout the semester