

Course Syllabus

Math 1A Calculus I, Fall 2020

Section# 0899, MW 3-5:30PM, *online*

Instructor Information

Instructor: Cortney Schultz
Office location: Kunde Hall 219
Office hours: MW 2-3PM & TTH 1:30-3PM
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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>

The course key is: **santarosa 2606 3129**

Grading	Canvas Assignments	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. You will be required to share video of yourself and your workspaces while taking exams. You will be required to write out solutions for problems, take pictures of your solutions, and upload your work to Canvas.

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 and other resources on Canvas. You may also keep up with your current grade by using Canvas.

Class Meetings

Our class will meet every Monday and Wednesday at 3PM for the duration of the semester. Students are expected to watch online lecture videos before class. Class time will be reserved for working on practice problems, collaborating in groups, answering questions, and taking exams.

Canvas Assignments

Eight assignments will be posted in Canvas throughout the semester. You will be required to write out solutions for problems, take pictures of your solutions, and upload your work to Canvas.

Homework Grading/Late Homework

Select homework sections will be due twice a week (generally Tuesdays and Thursdays). 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. I ask that you KEEP YOUR VIDEO ON during class. Not only does it hold you accountable for your actions during class, but I also hate staring at black boxes. 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.
- Students are asked to keep their video on 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 17 th	Classes begin
Sunday, August 30 th	Last day to drop a class and receive a refund
Sunday, September 6 th	Last day to drop a class without a "W" symbol
Sunday, November 15th	Last day to drop a class with "W" symbol
MONDAY, DECEMBER 14th 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.

Students can access **SRJC Tutorial Centers** through their cubby by logging-in and choosing **SRJC Tutoring** in the **Quick Links** section on the right side.

SRJC Tutorial Centers can also be accessed through the website: <https://college-skills.santarosa.edu/srjc-tutorial-centers>

Live drop-in tutoring is available during Fall 2020 term:

- Monday – Thursday 8:00 AM – 7:00 PM
- Friday 8:00 AM – 4:00 PM

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 2020 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/Reserve>

Fall 2020 - Math 1A (MW 3-5:30)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
	12:00-1:00 PM	12:00-1:00 PM	12:00-1:00 PM	12:00-1:00 PM
Week 1 Aug 17 - Aug 20	Introduction/Trig Review 2.1 Tangent & velocity		2.1 Tangent & velocity 2.2 Limit of a function	
Week 2 Aug 24 - Aug 27	2.3 Calculating limits 2.5 Continuity		2.5 Continuity Canvas Assignment #1 (due Monday)	
Week 3 Aug 31 - Sep 3	2.6 Horiz. Asymptotes 2.7 Derivatives		2.8 Derivatives as functions 3.1 & 3.2 Derivative Rules Canvas Assignment #2 (due Wednesday)	
Week 4 Sep 7 - Sep 10	NO CLASS - LABOR DAY	NO CLASS - PDA FLEX DAY	3.3 Derivatives of trig functions	
Week 5 Sep 14 - Sep 17	EXAM 1		3.4 Chain Rule Canvas Assignment #3 (due Monday)	
Week 6 Sep 21 - Sep 24	3.5 Implicit Differentiation 3.6 Derivatives of logs		3.9 Related Rates Canvas Assignment #4 (due Monday)	
Week 7 Sep 28 - Oct 1	3.10 Linear approx 3.11 Hyperbolic Functions		4.1 Maximums and minimums	
Week 8 Oct 5 - Oct 8	EXAM 2		4.2 Mean Value Theorem	

Week 9 Oct 12 - Oct 15	4.3 Derivatives & Graphs 4.4 L'Hospital's Rule		4.4 L'Hospital's Rule Canvas Assignment #5 (due Monday)	
Week 10 Oct 19 - Oct 22	4.7 Optimization		4.7 Optimization 4.9 Antiderivatives Canvas Assignment #6 (due Monday)	
Week 11 Oct 26 - Oct 29	5.1 Area & Distance 5.2 Definite integral		5.3 Fundamental Theorem of Calculus	
Week 12 Nov 2 - Nov 5	EXAM 3		5.4 Indefinite integrals & net change 5.5 Substitution Rule	
Week 13 Nov 9 - Nov 12	5.5 Substitution rule Canvas Assignment #7 (due Monday)		NO CLASS - VETERANS DAY	
Week 14 Nov 16 - Nov 19	6.1 Areas between curves		6.2 Volumes Canvas Assignment #8 (due Monday)	
Week 15 Nov 23 - Nov 26	6.3 Volumes by cylindrical shells		6.5 Average value of a function	NO CLASS - THANKSGIVING
Week 16 Nov 30 - Dec 3	7.7 Approximate integration 8.1 Arc Length		EXAM 4	
Week 17 Dec 7 - Dec 10	9.3 Separable equations		Final Exam Review	
Finals Week Dec 14 - Dec 17	FINAL EXAM: Monday, December 14th (1:00-3:45PM)			

Note: Schedule is subject to change throughout the semester