Course Syllabus
Math 1A Calculus I, Spring 2020
Section# 7218, TTH 5:30 – 8:00PM , Kunde Hall 101
Instructor: Cortney Schultz

Instructor Information

Office location: Kunde Hall 219
Office hours: MW 4:00-4:30PM & 5:30-6:00PM TTH 4:30-5:30PM & 8:00-8:30PM
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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+.

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 our Canvas page at canvas.santarosa.edu
From there, go to "Modules" and then to "WebAssign – Math 1A" to be directed to our course page.

Grading

Quizzes	8%	$A \geq 90$
Homework	12%	$80 \leq B < 90$
Exams (4 @ 15% each)	60%	$70 \leq C < 80$
Comprehensive Final Exam	20%	$60 \leq D < 70$
	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 miss an exam, contact me within 24 hours. If it is an excused absence, your final exam score will replace that missed midterm score. Make-up exams are not given.

Quizzes

Eight quizzes will be given during the semester. Two will be in class and the rest will be take-home. Make-ups for quizzes are not given.

If you are absent the day that a take-home quiz is handed out, email me and I will send you a copy of the quiz. If you are absent the day a take-home quiz is due, email me a picture of your quiz on the day it is due. Late take-home quizzes will not be accepted.

Homework Grading/Late Homework

Select homework sections will be due twice a week (generally Mondays and Wednesdays).
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.

Canvas

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

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 read the textbook.
- Students are expected to be active participants in their education and do their best every day.

Important Academic Calendar Dates

January 13th	Classes begin
January 26th	Last day to drop a class and receive a refund
February 2nd	Last day to drop a class without a "W" symbol
April 19th	**Last day to drop a class with "W" symbol**
Tuesday, May 19th	Final Exam (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. 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.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
Week 1 Jan 13 - 16		*Introduction*/Trig Review **2.1** Tangent & velocity		**2.1** Tangent & velocity **2.2** Limit of a function **Quiz 1 (Take Home)**
Week 2 Jan 20 - 23	**NO CLASS**	**NO CLASS**		**2.3** Calculating limits **2.5** Continuity
Week 3 Jan 27 - 30		**2.5** Continuity **2.6** Horiz. Asymptotes		**2.7** Derivatives **2.8** Derivatives as functions **Quiz 2 (Take Home)**
Week 4 Feb 3 - 6		**3.1 & 3.2** Derivative Rules		**3.3** Derivatives of trig functions
Week 5 Feb 10 - 13		**EXAM 1**		**NO CLASS**
Week 6 Feb 17 - 20		**3.4** Chain Rule **3.5** Implicit Differentiation		**3.5** Implicit Differentiation **3.6** Derivatives of logs **Quiz 3 (In Class - Derivatives)**
Week 7 Feb 24 - 27		**3.9** Related Rates		**3.10** Linear approx **3.11** Hyperbolic Functions **Quiz 4 (Take Home)**
Week 8 Mar 2 - 5		**4.1** Maximums and minimums		**4.2** Mean Value Theorem
Week 9 Mar 9 - 12		**EXAM 2**		**4.3** Derivatives & Graphs **4.4** L'Hospital's Rule
Mar 16 - 19	**SPRING BREAK**			
Week 10 Mar 23 - 26		**4.4** L'Hospital's Rule		**4.7** Optimization **Quiz 5 (Take Home)**
Week 11 Mar 30 - Apr 2		**4.7** Optimization **4.9** Antiderivatives		**5.1** Area & Distance **5.2** Definite integral **Quiz 6 (Take Home)**
Week 12 Apr 6 - 9		**5.3** Fundamental Theorem of Calculus		**EXAM 3**
Week 13 Apr 13 - 16		**5.4** Indefinite integrals & net change **5.5** Substitution Rule		**5.5** Substitution rule **Quiz 7 (In Class - Integration)**
Week 14 Apr 20 - 23		**6.1** Areas between curves		**6.2** Volumes **Quiz 8 (Take Home)**
Week 15 Apr 27 - 30		**6.3** Volumes by cylindrical shells		**6.5** Average value of a function
Week 16 May 4 - 7		**EXAM 4**		**7.7** Approximate integration **8.1** Arc Length
Week 17 May 11 - 14		**9.3** Separable equations		**Final Exam Review**
Finals Week May 18 - 21	**Final Exam: Tuesday, May 19th (4:00-6:45PM)**			