Course Syllabus
Math 1B Calculus II , Fall 2019
Section#3232 , MW 6:00 – 8:30PM , Kunde Hall 101
Instructor: Cortney Schultz

Instructor Information

Office location: Kunde Hall 219
Office hours: MW 2:30-3:00PM , MW 5:00-6:00PM , TTH 2:00-3:00PM
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Prerequisite: Completion of MATH 1A or higher (MATH)

Course Description: Topics include methods of integration, conic sections, polar coordinates, infinite sequences and series, parametric equations, solid analytic geometry, and vectors.

Student Learning Outcomes: Here is the link for Math 1B course outline at SRJC.
https://portal.santarosa.edu/SRweb/SR_CourseOutlines.aspx?CVID=25440&Semester=20147

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 three 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).

To create an account for WebAssign, go to www.webassign.net
The course key is **santarosa 3340 3532**

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%		$F < 60$

Example: Mr. Chong's quiz average is 82.1%. His homework average is 97%. His midterm average is 77% and his final exam score is 75%.
His course average is then 82.1*0.08 + 97*0.12 + 77*0.60 + 75*0.20 = 79.4 , earning him a C in the class.

Exams

Four midterm exams and a comprehensive final exam will be given during the semester. Make-ups are not given, 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. If you take all four midterms and have excellent attendance (at most 4 absences or tardies), then your lowest midterm score will be replaced by the final exam.

Quizzes

Eight quizzes will be given during the semester. Six of these quizzes will be take home and two will be given in class. Make-ups for in class 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 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.

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

August 19th	Classes begin
September 1st	Last day to drop a class and receive a refund
September 8th	Last day to drop a class without a "W" symbol
November 17th	**Last day to drop a class with "W" symbol**
December 16th	Final Exam (6:00-8:45PM)

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 Aug 19 - Aug 22	*Intro & Warmup* **7.1** Integration by parts		**7.1** Integration by parts **7.2** Trigonometric Integrals	
Week 2 Aug 26 - Aug 29	**7.3** Inverse Trig Sub **7.4** Integration of rational functions by partial fractions		**7.4** Integration of rational functions by partial fractions **7.5** Strategy for integration **QUIZ 1 (INTEGRATION) - IN CLASS**	
Week 3 Sep 2 - Sep 5	**No Class**		**7.8** Improper integrals **8.2** Area of a surface of revolution **QUIZ 2 - TAKE HOME**	
Week 4 Sep 9 - Sep 12	*Catch-up* **11.1** Sequences		**EXAM 1**	
Week 5 Sep 16 - Sep 19	**11.1** Sequences **11.2** Series		**11.2** Series **11.3** Integral test & estimates of sums **QUIZ 3 - TAKE HOME**	
Week 6 Sep 23 - Sep 26	**11.4** The comparison tests **11.5** Alternating series		**11.6** Absolute convergence and the Ratio and Root tests	
Week 7 Sep 30 - Oct 3	**11.6** Absolute convergence and the Ratio and Root tests **11.7** Strategy for testing series **QUIZ 4 (SERIES) - IN CLASS**		*Catch-up* **11.8** Power Series	
Week 8 Oct 7 - Oct 10	**EXAM 2**		**11.9** Representation of functions as power series	
Week 9 Oct 14 - Oct 17	**11.10** Taylor and Maclaurin Series		**11.11** Applications of Taylor Polynomials **10.1** Curves defined by parametric equations **QUIZ 5 - TAKE HOME**	
Week 10 Oct 21 - Oct 24	**10.2** Calculus with parametric curves		**10.3** Polar coordinates **10.4** Areas and lengths in polar curves **QUIZ 6 - TAKE HOME**	
Week 11 Oct 28 - Oct 31	**10.4** Areas and lengths in polar curves **10.5** Conic sections		*Catch-up* **12.1** Three-dimensional coordinate systems	
Week 12 Nov 4 - Nov 7	**EXAM 3**		**12.2** Vectors	
Week 13 Nov 11 - Nov 14	**No Class**	**No Class**	**12.3** The Dot Product **12.4** The Cross Product **QUIZ 7 - TAKE HOME**	
Week 14 Nov 18 - Nov 21	**12.5** Equations of lines and planes		**12.6** Cylinders and quadric surfaces **QUIZ 8 - TAKE HOME**	
Week 15 Nov 25 - Nov 28	**13.1** Vector functions and space curves		**13.2** Derivatives and integrals of vector functions	**No Class**
Week 16 Dec 2 - Dec 5	**13.3** Arc length and curvature		**EXAM 4**	
Week 17 Dec 9 - Dec 12	**13.4** Motion in space: Velocity and acceleration		*Catch-up / final review*	
Finals Week Dec 16 - Dec 19	**FINAL EXAM: Monday, December 16th**			

Note: Schedule is subject to change throughout the semester