Instructor: Hassan. Bourgoub
Course Name: Vector Calculus
CRN/Section 27502/01Y
Classroom: E32
Time: M-Th 8:30am-9:20am, F: Asynchronous.
Office Hours 9:30am-10:20pm, Room 47A
Email: Canvas Inbox for any class communication
Text: Calculus, Early Transcendentals, by James Stewart. 9e edition with Web-assign.

Course Content/Curriculum Outline

PREREQUISITES

Deanza Math 001B with grade of C or better or the equivalent.

Attendance

The Class meets on campus MTWTH, 8:30am-9:20am. F: Asynchronous. Room E32.

Ancillary Materials

Be sure to watch the videos on Web-assign when available, Canvas Modules, or any other media available, read the textbook on Web-assign site, notes posted on Canvas Modules before doing homework assignments. The textbook by far offers the best source of information and concept-based learning. Most videos only show you how to solve problems and lack on principles and concepts. Overall Concept based learning is long lasting and takes a lot less time.

Web Assigned Homework.

This part of the course is done on Web-assign website by Cengage. You are to purchase an access code for web-assign with an e-book or web-assign bundled with a hard copy of a new textbook directly from the site or the Deanza Bookstore. If you make your purchase from the bookstore, be sure to purchase the 9^{th} edition. You will be registered in web-assign by Canvas/Cengage Integration tools, and you do not need a class key.

Web-assign Access code Purchase

In the event that you do not have a multi term valid access code to the textbook assigned to the course, you will need to purchase an access code within the first two weeks of the quarter. Be sure to check Canvas Announcement for a possible multi-term discount.

If you have a Cengage account, log in to your account to see our course listed under the textbook. If you do not have a Cengage account, create an account first, using the email address you use on Deanza Myportal, and your name as it appears on the Deanza site. Then you can access the class after you log in to your Cengage account. You will only see your course in Cengage if you use the same email address and the same name as it appears on Deanza Myportal.

HW Assignment Due Dates

All fixed due dates for the assignments are set on Web-assign site to insure uniform distribution of course load throughout the quarter. Each assignment comprises a number of homework credits equal to the number of problems in the assignment. These credits will be scaled at the end of the quarter for a maximum of 100 course points, 25% of course grade.

HW Assignments and Extensions.

Only one extension for each assignment that expires in three days after the due date is done automatically on the site with 10% penalty. Do not ask for extensions on the site after extension time has expired. If you have some excruciating circumstances that warrant another extension, you need to contact me about the matter using Canvas Inbox.

All questions about HW problems are best addressed, after preparing for the assignment, during office hours and through Canvas email. Prepare for material covered in each assignment and allow ample time to work out the assignments and avoid last minute completion as it is not possible for many students to get the help they need in a very short amount of time and at an inconvenient time of the day.

Writing Exercises:

This part of classwork includes problem sets that cover sections studied in the Textbook. The problem sets are available on Canvas Assignments. I highly recommend that you work out these problems as they are intended to help students write during exams and quizzes. **These assignments are intended for your writing practice/review, and they are not to be turned in for credits.**

Testing

We are going to have three tests, three quizzes and a final exam. The tests are worth 50 points each, and the total number of points for the quizzes is 50, and the final exam counts for 100 points. There will be no makeup exams. The final exam will be comprehensive and mandatory and counts for 100 points, 25% of course grade. The dates for all Tests and Quizzes is available on Canvas Assignments and Canvas Modules.

Grade Distribution

Distribution of Course Points. (cpts)	
Quizzes	50 cpts
Tests	150 cpts
Homework	100 cpts
Final Exam	100 cpts
Total	400 cpts

Test Performance

Satisfactory performance on tests, homework assignments and the final exam are necessary for passing the course. All dates for the assignments are fixed to allow for even distribution of classwork throughout the quarter.

Materials

The required text mentioned above, a TI84 calculator or the equivalent.

Academic Integrity

Refer to Schedule of Classes on college policy under subtitle Academic Integrity ; in addition, cheating and plagiarism is not tolerated and will be decisively met with grade F for test/ assignment, and, or dismissal from class depending on the circumstances.

Grading

The course grade is based on the fixed scale below. Grades are not given to you, they are earned by your desire and willingness to be consistent, persistent and hardworking. There are three components to the total grade in this course, in-class tests and quizzes, homework assignments, and a final exam.

How am I doing in this class?

Record all Tests, Quizzes and Homework scores. The best indicator or predictor of your course grade is your test and quiz scores.

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Grading Scale

The Course letter grade is based on the scale below.

Letter Grades	A+	A	A-	B+	B	B-	C+	C	D	F
Range In %	98-100%	94-97%	90-93%	87-89%	84-86%	80-83%	72-79%	65-71%	50-64%	Below 50%

Good Luck

Student Learning Outcome(s):

• Analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.
• Apply infinite sequences and series in approximating functions.
• Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.

Office Hours:

M,T,W,TH	9:30 AM - 10:20 AM	S47A
M,W,T,TH	9:30 AM - 10:20 AM	Zoom
M,W	3:30 PM - 3:50 PM	Zoom