

Instructor: Hassan. Bourgoub
Course Name: Multivariable Calculus
CRN/Section 13680/18Z
Classroom: Online
Time: Synchronous, Meetings M-Th 5:30pm-7:45pm.
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 001C with grade of C or better or the equivalent.

Attendance

The course is synchronous, and meetings are scheduled online, M-TH 5:30pm-7:45PM
Zoom ID is available on Canvas Syllabus.

Ancillary Materials

Be sure to watch the videos on Web-assign Media Index provided by the e-book when available, Canvas Modules, or any other media available, and read the textbook on Web-assign site, and 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 lacks on principles and concepts. Overall Concept based learning offers long lasting retention and takes a lot less time.

Homework

Homework is an integral part of the course. It is very unlikely for most students to succeed in this course without completing all homework assignments on time.

Web assigned Homework

This part of the of the course is done on Web-assign website. You are to purchase an access code separately or bundled with a new textbook directly from the site or the Deanza Bookstore. You will be registered in web-assign by me and do not need class key; on the other hand, you will need to purchase an access code within the first week of the quarter in the event that you do not have a valid access to the textbook assigned for the course.

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, then you can access the class on web-assign after you log in to your Cengage account. There are Notes on Canvas Weekly Modules. The Textbook has videos for all the sections in the book. Click on the e-book, then choose the Media Index, there are 309 media files covering all the sections in the textbook.

All due dates for the assignments on the site are set approximately five days after the relevant material is discussed in class. Fixed due date used to allow for uniform distribution of course load throughout the quarter. Each assignment comprises a number of homework credits equal 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.

Only one extension for each assignment that expires in three days is allowed and it is done automatically on the site with 10% penalty.

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 week of the session. 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 class 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.

Testing

We are going to have two tests, three quizzes and a final exam. The two tests are worth 125 points, and the total number of points for the quizzes is 75, 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	75 cpts
Tests	125 cpts
Homework	100 cpts
Final Exam	100 cpts

Total	400 cpts
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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):

- Apply analytic, graphical and numerical methods to study multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.
- Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.
- Synthesize the key concepts of differential, integral and multivariate calculus.