

Cuyamaca College

Math 281 – Multivariable Calculus Section 9793 – Fall 2020

Instructor: Dan Curtis

E-mail: daniel.curtis@gcccd.edu

Class Times: MW 12:00-1:50 pm

Office Hours: Monday 9:30 – 10:30 am

Tuesday 10:00 – 11:00 am

1:30 – 2:30 pm

Wednesday 9:30 – 10:30 am

Thursday 10:00 – 11:00 am

Class session and Office Hours Zoom Link: <https://cccconfer.zoom.us/my/daniel.curtis>

WebAssign Course Code: cuyamaca 8972 8779

Prerequisites: A grade of C or better in Math 180 or the equivalent.

Text and Materials:

- **Calculus, Early Transcendentals**, 8th Edition, Stewart
- A scientific or graphing (recommended) calculator is required. The TI 84+, TI 89, or Voyage 200 are highly recommended.

Course Description: The third of a three-course sequence in calculus. Topics include vector valued functions, calculus of functions of more than one variable, partial derivatives, multiple integration, Green's Theorem, Stokes' Theorem, and divergence theorem.

<u>Important Dates:</u>	Last day to add classes/Last day to drop and qualify for a refund and to drop without receiving a "W"	Sunday, August 30
	Last day to file a petition for credit/no credit	Friday, September 18
	Last day to drop with a 'W'	Sunday, November 8
	Final Exam (Cumulative)	Monday, December 14 11:45-1:45

It is the student's responsibility to take care of any administrative procedures involved in dropping should he/she stop attending class.

Class Meetings: Due to COVID-19, this class will be 100% remote learning. All class sessions will be conducted through Zoom conferencing software at the scheduled class days and times (Mondays and Wednesdays from 12:00 pm – 1:50 pm). Attendance and participation in the class meetings is required, just like if this were an on-campus class. In these uncertain times, however, there may be times where you may have to miss a class. For this reason, all class sessions will be recorded and posted in Canvas so you can see what you missed.

Grading: Your final grade will be based on the percentage of total points you earned, using the following scale: A = 90% and above, B = 80-89.9%, C = 70-79.9%, D = 60-69.9%, F = below 60%.

<u>Grading Summary:</u>	Exams (3 total):	25%
	WebAssign Homework:	40%
	Quizzes	20%
	<u>Final Exam:</u>	<u>15%</u>
	Total	100%

Exams: There will be three two-hour exams during the semester. Exam questions will be based on the homework, and I will review the material covered on the exam during class on the last class day before the exam. No makeup exams will be given, but your lowest exam score will be dropped. The final will be cumulative.

Homework: Homework assignments (worth 40% of your overall grade) will be completed using WebAssign and each section will be due one week after we cover it. Because the material from this course builds on itself, it is important to keep up with the homework assignments as they are due. You may request an extension for the homework if required. You must request the extension within 7 days after the assignment is due, and once you request the extension, you will have 7 days to complete it. If you need an extension for a homework assignment, use the button provided in WebAssign and it will automatically be granted.

Quizzes: Throughout the semester, there will be quizzes. Each quiz will consist of one or two problems. The quizzes will be on Canvas and completed outside of class time. I will announce ahead of time when the quizzes will be and what section they will cover. There will be no makeup quizzes, but your two lowest quiz scores will automatically be dropped.

Student Learning Outcomes

Upon successful completion of this course, students will be able to:

- 1) Apply analytical, numerical, and graphical methods to solve problems related to multi-variable functions.
- 2) Solve multi-disciplinary application problems and interpret the results in context.

Attendance: Good attendance is a must for success in this class. College policy states that a student may be dropped from the course for excessive absences or tardies.

My Policy: Four absences during the first four weeks or six absences during the entire semester and you may be dropped – arriving significantly late or leaving significantly early counts as half an absence.

Disability Support Services: If you have a documented disability and need accommodations for this class, please send me your DSPS Academic Accommodation form as early as possible. You must complete the online Test Accommodations Registration form on the [Test Proctor Website](#) or contact the Test Proctor directly at Roberta.Gottfried@gcccd.edu.

Academic Honesty: Academic dishonesty of any type by a student provides grounds for disciplinary action by the instructor or college. If you cheat, there will be consequences: I may give you a zero on the assignment or a zero in the course, or other additional consequences, regardless of whether you were the giver or receiver of the cheating.

Misconduct: Disruptive or threatening behavior or any conduct that interferes with my ability to teach or another student's ability to learn will not be tolerated. Such actions could result in a warning, removal from the class, or referral to the Dean for disciplinary action. Please turn off your cell phones during class.

STEM Achievement Center: To support your efforts to succeed in this class, it is highly recommended that you utilize the free tutoring services available. The hours are Monday & Thursday 9:00 am – 6:00 pm; Tuesday & Wednesday 9:00 am – 7:00 pm; Friday 10:00 am – 2:00 pm. To make an appointment, please either call 619-800-2407 or email cuyamacatutors@gmail.com with the course and time you would like to meet with a tutor. The college also offers additional online tutoring through NetTutor which can be accessed 24/7 through your Canvas course.

Class Schedule

Week	Monday	Wednesday
Week 1	Intro, 12.1	12.2
Week 2	12.3	12.4
Week 3	12.5, 12.6	13.1
Week 4	13.2	13.3
Week 5	13.4	Review
Week 6	Exam #1	14.1
Week 7	14.2	14.2
Week 8	14.4	14.5
Week 9	14.6, 14.7	14.8
Week 10	15.1	Review, 15.2
Week 11	Exam #2	15.2
Week 12	15.3	15.6, 15.7
Week 13	15.8	16.2
Week 14	Review, 16.3	Exam #3
Week 15	16.3	16.4
Week 16	Review for Final	Review for Final
Finals Week	Final Exam Monday, December 14 11:45-1:45	