Cuyamaca College

Math 280 – Analytic Geometry & Calculus II Section 8211 – Spring 2023

Instructor: Dat	n Curtis		E-mail:daniel.curtis@gcccd.edu
Class Times: TTh 8:00-9:50 am			Room: H138
Office Hours:	Monday	11:45 – 12:30 pm	Office: H115
	Tuesday	10:00 - 11:00, 12:15	– 1:45 pm
	Wednesday	11:45 – 12:30 pm	
	Thursday	10:00 - 11:00	

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+ or TI 89, are highly recommended.

<u>Course Description</u>: Continuation of Math 180. Includes parametric equations, polar coordinates, hyperbolic functions, techniques of integration, indeterminate forms, infinite series and conics.

Important Dates:	Last day to add classes/Last day to drop and qualify for a refund and to drop without receiving a "W" Last day to drop with a 'W'	Sunday, February 12	
	Last day to drop with a 'W'	Sunday, April 30	
	Final Exam	Thursday, June 1st 7:30 am – 9:30 am	

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

<u>Grading</u>: 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%. Also, to pass the course, you must receive a D or better on the final exam.

Grading Summary:	WebAssign Homework	25%
	Exit Surveys	10%
	Projects	15%
	Exams	30%
	Final Exam	20%
	Total	100%

- <u>Homework</u>: Homework assignments 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 will have the opportunity to request extensions for an additional week to complete assignments at no penalty. If you need an extension for a homework assignment, use the button provided in WebAssign and it will automatically be granted.
- Exit Surveys: At the end of each class, there will be an exit survey. They will consist of one or two problems from the material covered that class. You will be given full credit for attempting the survey, not for accuracy. The purpose of the surveys is to provide me with feedback on how well the class is understanding the material. Up to 4 missed exit surveys will be dropped and not count against your grade.
- <u>Projects</u>: Throughout the semester, there will be projects that will consist of problems that are more interesting and involved than the typical homework and exam problems. Students are encouraged to work together, but each student is responsible for completing and submitting his/her own project.
- <u>Exams</u>: 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. If you score at least 70% overall on the WebAssign homework, I will drop your lowest exam score. The final (worth 20%) will be cumulative. Cell phones, or other communication devices, are not allowed on exams. Put them in your pocket or purse, or under your desk.

Student Learning Outcomes

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

- 1. Use analytical, numerical, and graphical methods to solve calculus problems related to real-valued functions, polar & parametric equations, and power series.
- 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.
- <u>Disability Support Services</u>: Academic accommodations are available for students with disabilities. Please identify yourself to your instructor and to DSPS staff so that the appropriate accommodations can be ensured. DSPS is at A-300, LRC (660-4239)
- <u>Academic Honesty</u>: 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.
- <u>Misconduct</u>: 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.
- <u>Tutoring</u>: Online Tutoring and (Limited) In-person Tutoring has been consolidated into one Cuyamaca Tutoring Center, which will be open Monday 9-6, Tuesday 9-7, Wednesday 9-7, Thursday 9-6, Friday 10-3. You will be able to request a Zoom Video Tutoring session, an Email Tutoring session, or an In-person tutoring session from your Canvas container by clicking the blue "Tutoring" link on the left side of your course container and completing the request form. You may also email <u>Cuyamaca.Tutoring@gccccd.edu</u> or visit our website at <u>www.cuyamaca.edu/tutoring</u> or leave a message with your call back information at (619) 660-4525 for more information.

Class Schedule

Week	Tuesday	Thursday
Wk 1 (1/30)	Intro, 7.1	7.1
Wk 2 (2/6)	7.2	7.3
Wk 3 (2/13)	7.3	7.4
Wk 4 (2/20)	7.5	7.8
Wk 5 (2/27)	Review	Exam #1
Wk 6 (3/6)	6.2	6.3
Wk 7 (3/13)	10.1	10.2
Wk 8 (3/20)	8.1	10.3
Wk 9 (4/3)	10.4	11.1
Wk 10 (4/10)	Review	Exam #2
Wk 11 (4/17)	11.2	11.3
Wk 12 (4/24)	11.4	11.5
Wk 13 (5/1)	11.6	11.7
Wk 14 (5/8)	Review	Exam #3
Wk 15 (5/15)	11.8	11.9
Wk 16 (5/22)	11.10	Review for Final
Finals Week		Final Exam
		Thursday, June 1
		7:30-9:30