MATH 151   CALCULUS WITH ANALYTIC GEOMETRY II   SPRING 2023

INSTRUCTOR

Dr. Collins

WEBSITE

www.collinscalculusclass.org

OFFICE

Virtual

OFFICE HOURS

By appointment, I am very available on Zoom, the link is on my website.

CONTACT

E-mail collinscalculusclass@gmail.com

LECTURE

Lectures are on YouTube, link is on my website.

PREREQUISITES

Math 150 with a grade of "C" or better, or equivalent.

TEXT

Optional, see Class Policy.

DESCRIPTION

This is a continuation of Mathematics 150. This course covers more advanced topics in analytic geometry, differentiation and integration of algebraic and transcendental functions, infinite series, Taylor series, and parametric equations. This course also covers a general introduction to the theory and applications of power series, techniques of integration, and functions in polar coordinates, as it serves as a basis for multivariable calculus and differential equations.

STUDENT LEARNING OBJECTIVES

Student Learning Outcomes can be found at:
http://www.sdmesa.net/acp/math151.html

Students should be able to apply appropriate math definitions, properties and appropriate techniques in a variety of problem solving situations, as well as recognize an appropriate solution as opposed to an unreasonable or extraneous one.

Students will be able to demonstrate knowledge of the interrelatedness of the concepts within a particular course and/or among different courses.

Students will be able to demonstrate an ability to communicate mathematical reasoning, in the context of solving a problem, with clarity and detail.

Students will be able to choose and apply appropriate mathematical tools and technology

to various problems.

QUESTIONS

Problems with residency or registration should be resolved with Karina Sandoval (ksandoval@sdccd.edu) Student Services, I-400, 7250 Mesa College Drive, San Diego, 92111.

CLASS POLICY

Since there is no text, access and familiarity with my website will be crucial to your success in this course. On the left side of the homepage is a list of classes. You will visit the Math 151 tab which will direct you to the Math 151 homepage. All of the necessary material will be provided here to include the syllabus, class notes, worksheets, important dates and HW problems. You will read through the notes and watch any accompanying videos BEFORE the Zoom session. The Zoom sessions are intended to supplement and/or clarify any issues, I will not be providing an entire lecture again. Every Friday you will email me a picture of your completed HW for the section. This will constitute your HW grade outlined below. Please note that when you ask me a question on Zoom your camera must be ON. I will not answer questions to blank screens, as it is impossible for me to see if you understand the material in that fashion.

EVALUATION

There will be 6 exams and a final. I will randomly administer up to a maximum of three oral exams per student per semester. If you are chosen to participate in this I will notify you 24 hours before the test time and it will be conducted one on one over Zoom. There will be NO make-ups on exams except in cases of extreme emergency. If you have an emergency then you must notify me before the test begins. Any evidence of plagiarism on any assignment will result in a 0 for that assignment. Any infraction after that will result in a 0 for the COURSE, no exceptions. Your homework grade will be calculated as follows: every assignment will be emailed and graded as either a 0, 1 or 2. A (0) means a significant portion of the assignment was not done; a (1) means most of the assignment was attempted; and a (2) means all problems were attempted with most complete and correct. At the end of the semester your final average in the class will be adjusted based on the HW you have completed. A HW completion rate of 95% or higher will result in adding 2 points to your average; from 90% to 94% results in no change to your average; and below 90% will result in a deduction of 2 points from your final average.

Test 1 through Test 6	100 points each
Final	100 points
HW	see above

Total	700 points

LETTER GRADES WILL BE ASSIGNED AS FOLLOWS:

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

IMPORTANT DATES

To withdraw without a W, the deadline is February 7th. The last day to withdraw from the course is April 10th.

ATTENDANCE

Attendance is required and you are responsible for all material covered. There are NO make-ups on any material unless you have spoken to me previously with regards to an excused absence. Exam make-ups will only be given in extreme emergencies and only if you contact me BEFORE the exam begins. If you happen to miss a class, contact a fellow student to find out what was covered, check the website or contact me. It is the student's responsibility to drop all classes in which he/she is no longer attending. It is at my discretion to withdraw a student after the add/drop deadline due to excessive absences. Students who remain enrolled beyond the withdrawal deadline will receive an evaluative letter grade in this class. This is an SDCCD class and it is critical you read and understand the following references. They can be found in the college catalog online or at the Office of Student Affairs (Room H-500).

Policy 3100: Student Rights, Responsibilities, and Administrative Due Process
Procedures 3100.1: Student Grievance Procedures
Procedures 3100.2: Student Disciplinary Procedures
Procedures 3100.3: Honest Academic Conduct Procedures

ACCOMMODATION OF DISABILITY

Students that have any disability, either permanent or temporary, which might affect their ability to perform in this class should contact me as soon as possible so that I can adapt methods, materials or tests as needed to provide for equitable participation.