

MATH 129: Elementary Calculus II, part 1

This course is a continuation of MATH 127 and is focused on multivariable and vector calculus. It covers calculus of curves in space, vector functions, functions of more than one variable, and introduces vector calculus. Applications of this more general descriptions of calculus to scientific research will also be presented.

This is the first part of a two-part course. Registration is required separately for each part of the course.

Learning Objectives

- Understand how to describe curves in space and apply calculus parametric functions
- Understand functions of more than one variable, partial derivatives and multiple integrals
- Become acquainted with vector calculus

Credits: 2

Class Type: Graduate Course

Prerequisites:

MATH 127

MATH 128

The above course(s) or permission from the instructor.

Program: Bioinformatics and Data Science