Intro

Questions

▼ Why we call multivariable calculus?

because we're analysing a function with two or more variables. e.g $F(x, y)$ = $x^2 + y$

It also, code be a vector:

$$F(x, y) = \begin{vmatrix} 3x \\ 2y \end{vmatrix}$$

Prerequesites

- Limits
- Differentiation (including the power rule, product rule, quotient rule, and chain rule)
- What the derivative represents(Opens in a new window)
- Critical points and optimization(Opens in a new window)
- Integration and the Fundamental Theorem of Calculus
- Parametric equations and polar coordinates

Feel free to spend a little time reviewing any of these topics. The preparation will pay off as we get into multivariable calculus.