

## Module 2. Intro

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Note: If you happy with the Concept of differentiation,  
Then everything we add from here, will  
just be extensions of this one idea,  
as well as some interesting applications.

Remember, the Course is called multivarient  
Calculus, we will be generalizing the  
Concept of gradients to MULTIVARIABLE  
Systems.

So, words multivarient and multivariable  
are used interchangeably;

But subtle difference between 2 terms,  
which are related to whether they  
are multiple input variables, or  
multiple output variables, or both



But this distinction is not critical to  
in Study of Calculus we doing here  
(leave that to Statisticians)

With more than one variable to play with,  
we will now be able to use Calculus, to  
help us navigate high dimensional  
Space