

# PHYS2600J Recitation Class 1

## Week 3

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# Basics of Vector Analysis

- Vector Algebra
- Differential Calculus
- Integral Calculus
- Coordinates
- Theory of Vector Fields

# Basics of Electrostatics

- Coulomb's Law
- Gauss's Law
- Electric Potential
- Electrostatic Energy
- Conductors

# Exercise 1|Superposition Principle

## Exercise 2|Gauss's Law & Flux

## Exercise 3|Potential & Energy

**Thanks for listening!**

