

# PH 108

## Basics of Electricity and Magnetism

Interactive sessions (Division 1)

Tuesdays: 9:30 AM – 10:20 AM

Thursdays: 10.35 AM – 11:30 AM

Instructor : Alok Shukla  
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# Lecture plan (Flipped)

Two lecture videos per week - uploaded on Saturdays

Can be viewed only using IITB LDAP id.

First interactive session on Tue: 9:30 – 10:25 AM

Second interactive session on Thu – 10:30 – 11:30 AM

Interactive sessions are on MS Teams

# Video Quiz

Every uploaded video contains one video quiz (2 per week)

MUST be attempted via MOODLE

Deadline to attempt first quiz: Tues 9:00 am.

Deadline to attempt second quiz: Thurs 9.00 am.

# Tutorial plan

Tutorial sheets will be uploaded on **Saturdays**

Selected problems will be discussed on the following  
Wednesday (3 pm to 4 pm for D1)

There will be 8 tutorial batches (for each division)

Tutorial sessions will be conducted on MS Teams -  
you will be added to a different TEAM by your  
student TA

## Tutorial Quiz

Last five minutes of the tutorial session will be used for  
weekly tutorial Quiz

Will be conducted on SAFE by the student TA

# Evaluation Scheme

- ✦ Lecture Video Quizzes : 10
- ✦ Tutorial Quizzes : 20
- ✦ Midsem : 30
- ✦ Endsem : 40

## -Reference Books

Introduction to Electrodynamics : David Griffiths.

Electricity and Magnetism : Edward Purcell

Murray Spiegel : Vector Analysis (Schaum Series)

Feynman Lectures on Physics (Vol. 2)

Classical Electrodynamics: J. D. Jackson

Attendance Requirement: 80% lectures

100% tutorials

Exceptions: medical or other emergencies