

PHYS 7006
Electromagnetism

- Electrostatics
- Laplace's and Poisson's equations
- Legendre's and Bessel's equations
- Green's functions and boundary value problems
- Static multipole expansions
- Magnetostatics
- Magnetic vector and scalar potentials
- Maxwell's equations
- Plane waves

Level:

- Graduate students: Core requirement.

Offered: Every spring.

Text: *Classical Electrodynamics*, Third Edition, by John David Jackson