

PHYS 80001
Electrodynamics

- Scattering and diffraction
- Special relativity
- Covariant formulation
- Radiation from charges
- Multipole expansions
- Radiation damping
- Wave guides and RF cavities
- Basic elements of a classical field theory

Level:

- Graduate students: Core requirement.

Offered: Every fall.

Text: Modern Problems in Classical Electrodynamics by Charles A. Brau

Supplemental text: *Classical Electrodynamics*, Third Edition, by John David Jackson