

## University of Pretoria Yearbook 2016

## Electrodynamics 705 (PHY 705)

<b>Qualification</b> Po	ostgraduate
<b>Faculty</b> Fa	aculty of Natural and Agricultural Sciences
Module credits 15	5.00
Prerequisites No.	o prerequisites.
Contact time 6	lectures per week
Language of tuition Er	nglish
Academic organisation Ph	hysics
<b>Period of presentation</b> Se	emester 2

## Module content

Conservation laws in electrodynamics; electromagnetic waves in vacuum, dielectrics, conductors and wave guides; potentials and fields, guage transformations, Liénard-Wiechert potentials; electric and magnetic dipole radiation, radiation by a point charge; relativistic electrodynamics.

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