



OHIO
UNIVERSITY

Independent and Distance Learning

PHYSICS 253 CCE

Reading Assignment

Text: *Physics for Scientists and Engineers*, by Paul A. Tipler, 4th ed., W.H. Freeman, 1999

Chapter	Topic
24	Electric Potential
25	Electrostatic Energy and Capacitance Circuits
26	Electric Current and Direct Current
27	Microscopic Theory of Electrical Conduction
28	Magnetic Field
29	Sources of the Magnetic Field
30	Magnetic Induction
31	Alternating Current Circuits
32	Maxwell's Equations and Electromagnetic Waves
33	Properties of Light
34	Optical Images
35	Interference and Diffraction

It is recommended that you work approximately 20% of the problems at the back of each chapter to prepare for the exam.