

## Time Table Physics 217, Fall 2001

Date	Topic	Chapter	Pages
September 5	Vector Algebra	1	1 - 12
September 10	Differential Calculus	1	13 - 38
September 12	Integral Calculus Curvilinear Coordinates The Direct Delta Function	1	38 - 54
September 17	The Electrostatic Field	2	58 - 64
September 19	Divergence and Curl of Electrostatic Fields	2	65 - 77
September 24	Electric Potential	2	77 - 87
September 26	Electrostatic Boundary Conditions Work and Energy in Electrostatics	2	87 - 96
October 1	Conductors	2	96 - 103
October 3	Capacitors	2	103 - 106
<b>October 8</b>	<b>Fall term break</b>		
October 10	Laplace's equation	3	110 - 121
October 15	Method of Images	3	121 - 127
<b>October 17</b>	<b>Midterm exam 1</b>	<b>1 - 2</b>	<b>1 - 106</b>
October 22	Separation of Variables: Cartesian and Spherical Coordinates	3	127 - 145
October 24	Examples of Separation of Variables	3	127 - 145
October 29	Multipole Expansion	3	146 - 155
October 31	Polarization Field of Polarized Objects	4	160 - 179
November 5	Linear Dielectrics	4	179 - 196
November 7	Lorentz Force Law Biot-Savart Law	5	202 - 220

November 12	Divergence and Curl of $B$	5	221 - 234
November 14	Magnetic Vector Potential	5	234 - 240
November 19	Magnetostatic Boundary Conditions	5	240 - 246
November 21	Magnetization The Field of a Magnetized Object	6	255 - 268
November 26	The Auxiliary Field $H$ Linear and Non-Linear Media	6	269 - 282
<b>November 28</b>	<b>Midterm exam 2</b>	<b>3 - 5</b>	<b>110 - 246</b>
December 3	Electromotive Force	7	285 - 300
December 5	Electromagnetic Induction	7	301 - 321
December 10	Maxwell's equations	7	321 - 327
December 12	Electrodynamics	7	327 - 333
<b>December 20</b>	<b>Final exam</b>	<b>1 - 7</b>	<b>1 - 333</b>