

Spring 2001 Calculus/Physics

15 Jan No Classes	16 Jan No Classes	17 Jan First Day of Classes Equilibrium	18 Jan Imaginary Numbers Roots	19 Jan Describe Oscillations
22 Jan Explain Oscillations	23 Jan Euler's Form Roots	24 Jan Oscillation in many places	25 Jan Roots S.H.M	26 Jan Fourier Series
29 Jan Waves and Wave speed	30 Jan Integrating Trig Functions	31 Jan Waves and mathematical formalism	1 Feb Series Sol. to D.E.s	2 Feb Problems Damped oscillations
5 Feb Kinetic Theory of Gases	6 Feb Sequences Partial Sums	7 Feb Review	8 Feb Review	9 Feb Test
12 Feb Specific Heat	13 Feb Geometric Series	14 Feb Coulomb's Law	15 Feb Integral Test u -substitution	16 Feb Comet Problem
91 Feb Gravitational and Electrostatic forces	20 Feb Comparison Test Limit Comparison	21 Feb E-Field Lines and Tutorial	22 Feb u -substitution	23 Feb Euler's Method and Comet E-Field Hockey
26 Feb E-Field due to a bar of charge	27 Feb Trig Substitution	28 Feb Gauss' Law	1 Mar Flux	2 Mar Satellite Problem
Mar Gauss' Law	6 Mar E-Field	7 Mar Review	8 Mar Review	9 Mar Test
19 Mar Potential Energy	20 Mar Partial Fractions	21 Mar Potential Energy	22 Mar Center of Mass Int. by Parts	23 Mar Neon light problem
26 Mar Capacitance	27 Mar Center of Mass Integration	28 Mar Capacitance	29 Mar Slope Fields & D.E.s	30 Mar RC Circuit Theory
2 Apr Capacitors and Resistors	3 Apr D.E.s	4 Apr Multiloop circuits	5 Apr Ratio Test Root Test	6 Apr RC Circuit Experiment
9 Apr Circuits Kirchoff's Laws	10 Apr Radius of Convergence Convergence	11 Apr Review	12 Apr Review	13 Apr Test
16 Apr Introduction to Magnetism	17 Apr Polar Coordinates	18 Apr Motion in a magnetic field	19 Apr Polar Coordinates	20 Apr Martian Gas Gauge
23 Apr Magnetism and currents	24 Apr Gravity	25 Apr Integration to get Magnetic Field	26 Apr Limits	27 Apr LRC circuit problems
30 Apr Lenz's Law	1 May Limits	2 May Lenz's Law	3 May L'Hôpital's Rule	4 May Projects
7 May Review	8 May Review	9 May Reading Day	10 May Reading Day	11 May Finals exams begin