The divisions below assume 27 lecture hours, though this varies quarter to quarter and depending on class time give to exams.

9A
Kinematics, including multidimensional and circular motion: 6 hours
Dynamics/F = ma, including friction and circular motion: 4 hours
Energy, including conservation and nonconservative forces: 4 hours
Momentum, including collisions and center of mass, 4 hours
Rotational Dynamics, including kinematics, angular momentum: 4.5 hours
Equilibrium: 2 hours
Gravitation: 1.5 hours
Oscillations: 1 hour

9B
Waves and Sound: 6 hours
Interference (physical optics), including 2-slit and thin films: 4 hours
Diffraction (physical optics), including 1-slit and multislit/grating: 4 hours
Geometrical Optics, including Snell's Law and lenses: 1.5 hours
Heat and Thermal Topics, including expansion, calorimetry, heat transfer: 3 hours
Gasses, including kinetic theory, equipartition: 1.5 hour
1st Law of Thermodynamics: 2.5 hours
2nd Law of Thermodynamics, including thermal cycles and entropy: 2.5 hours
Fluids: 2 hours

9C
Electric Fields, including continuous charge distribution: 3 hours
Gauss' Law: 3 hours
Electric Potential: 2 hours
Capacitance: 1.5 hours
DC Circuits, including RC circuit: 4 hours
Effects of Magnetic Fields, including torque on dipole: 3 hours
Sources of Magnetic Fields, including Biot-Savart and Ampere's Laws: 3 hours
Electromagnetic Induction: 3 hours
Inductance, including LR circuit: 2 hours
Maxwell's Equations and EM waves: 2.5 hours

9D
Relativity: ~ 7-8 hours
Photons and Basic 1 Dimensional Quantum Mechanics: ~10-12 hours
Multidimensional QM and atoms: ~7-8 hours
Instructor-dependent topics (such as Nuclear, Molecular, Solid-State, Particle Physics): ~4-5 hours