

| Date | Topic | Reading (Taylor) | Assignments | Extra | Note |
|--------|--|------------------|------------------------|---------------------|------------------------------------|
| 22-Aug | Newton's Laws | 1.4-1.6 | | Review Taylor 1.1-3 | |
| 24-Aug | Newton's Laws | 1.7 | HW0 due (short) | Short math guide | |
| 27-Aug | Projectile motion / linear air resistance | 2.1-3 | | | |
| 29-Aug | Projectile motion / quadratic air resistance | 2.3-4 | | | Add/Drop day |
| 31-Aug | Projectile motion / Charge in a B field | 2.5, 2.7 | HW1 due (Ch. 1-2) | Review Taylor 2.6 | |
| 3-Sep | Labor Day / no class | | | | |
| 5-Sep | Momentum, rockets, center of mass | 3.1-3 | | | |
| 7-Sep | Angular momentum | 3.4-5 | HW2 due (Ch. 2) | | |
| 10-Sep | Kinetic energy, Forces & Potential energy | 4.1-4 | | | |
| 12-Sep | Time dependence, 1D systems | 4.5-7 | | Curved Paths notes | Review spherical polar coordinates |
| 14-Sep | Central Forces, multiparticle systems | 4.8-10 | HW3 due (Ch. 3-4) | | |
| 17-Sep | Oscillations | 5.1-3 | | | |
| 19-Sep | Damping and Driven oscillations | 5.4-5 | | | |
| 21-Sep | Resonance, Fourier series in brief | 5.6-7 | HW4 due (Ch. 5) | | |
| 24-Sep | Calculus of variations | 6.1-2 | | | |
| 26-Sep | EXAM 1 | Ch. 2-5 | | | |
| 28-Sep | Calculus of variations | 6.3-4 | | | |
| 1-Oct | Lagrange's equations | 7.1-2 | | | |
| 3-Oct | Lagrange's equations | 7.2-5 | | | |
| 5-Oct | Lagrange's equations | 7.5 | Exam 1 makeup | | |
| 8-Oct | Lagrange's equations | 7.6-7 | HW5 due (Ch. 6) | | |
| 10-Oct | Lagrange's equations / examples | 7.10 | | | |
| 12-Oct | Central Forces | 8.1-3 | | | |
| 15-Oct | Central Forces | 8.3-4 | | | |
| 17-Oct | Central Forces | 8.5-7 | HW 6 Due (Ch. 7) | | |
| 19-Oct | Central Forces | 8.7-8, review | | | |
| 22-Oct | Coupled Oscillations | 11.1-3 | | | |
| 24-Oct | Coupled Oscillations | 11.3-4 | HW7 due (Ch. 7-8) | | |
| 26-Oct | Fall Break / no class | | | | |
| 29-Oct | Coupled Oscillations | 11.5-6 | | | |
| 31-Oct | Coupled Oscillations | 11.6-7 | | | Drop day |
| 2-Nov | Non-inertial frames | 9.1-2 | HW8 due (Ch. 8-11) | | |
| 5-Nov | Non-inertial frames | 9.3-5 | | | |
| 7-Nov | EXAM 2 | Ch. 7-8, 11 | | | |
| 9-Nov | Non-inertial frames | 9.6-8 | HW9 due (Ch. 11,9) | | |
| 12-Nov | Non-inertial frames | 9.9-10 | | | |
| 14-Nov | Rigid Body Rotation | 10.2-3 | | | |
| 16-Nov | Rigid Body Rotation | 10.4-5 | | | |
| 19-Nov | Rigid Body Rotation | 10.6-8 | HW10 due (Ch. 9-10) | | Review 10.1 |
| 21-Nov | Thanksgiving / no class | | | | |
| 23-Nov | Thanksgiving / no class | | | | |
| 26-Nov | Rigid Body Rotation | review | | | |
| 28-Nov | Collision Theory | 14.1-3 | | | |
| 30-Nov | Collision Theory | 14.4-6 | HW11 due (Ch. 14) | | Last day for exams |
| 3-Dec | Continuum Mechanics | 16.1-4 | | Fluids notes | |
| 5-Dec | Continuum Mechanics | 16.5-7 | | | |
| 7-Dec | Hamiltonian Mechanics | 13.1-3 | HW 12 due (Ch. 14,16) | | |
| 11-Dec | FINAL EXAM TUES 7-9:30pm | | | | |