

PH125 Spring 2009

| Tuesday | | | Thursday | | | Friday | | |
|---------------------|--------------------------|-------------|----------|------------------------------|-------------------------|--------|------------------------|--------------------|
| date | topic | exercise | date | topic | exercise | date | topic | exercise |
| 13 Jan | Units, math, notation | estimation | 8 Jan | Syllabus, course overview | assessment | 9 Jan | No class | HW1 out |
| 20 Jan | Motion in 2D | problems | 15 Jan | Motion in 1D | 1D motion lab | 16 Jan | Motion in 2D | HW2 out |
| 27 Jan | Newton's laws | problems | 22 Jan | Projectiles, circular motion | | 23 Jan | Newton's laws | HW3 out |
| 3 Feb | EXAM I | | 29 Jan | Friction, drag | 2nd law lab | 30 Jan | Motion on curved paths | HW4 out |
| 10 Feb | Potential energy | problems | 5 Feb | Kinetic energy & work | work-kinetic lab | 6 Feb | Kinetic energy | HW5 out |
| 17 Feb | Momentum | problems | 12 Feb | Potential energy | Coeff. of restitution | 13 Feb | Consv. of energy | HW6 out |
| 24 Feb | Rotation | problems | 19 Feb | Momentum/collisions | 1D collisions lab | 20 Feb | Center of mass | HW7 out |
| 3 Mar | Angular momentum | Exam review | 26 Feb | Rotation | Rotational dynamics | 27 Feb | Rolling motion | HW8 out |
| 10 Mar | Statics & equilibrium | problems | 5 Mar | EXAM II | | 6 Mar | Exam post-mortem | HW9 out |
| | | | 12 Mar | Fluids | short paper topics | 12 Mar | No class | |
| SPRING BREAK | | | | | | | | |
| 24 Mar | Gravitation | short paper | 26 Mar | Gravitation | short paper | 27 Mar | Harmonic motion | HW11 out/paper due |
| 31 Mar | Oscillations | problems | 2 Apr | Harmonic motion | Harmonic motion lab | 3 Apr | Waves | HW12 out |
| 7 Apr | Waves | problems | 9 Apr | Waves | Standing waves lab | 10 Apr | Honors day, no class | HW13 out |
| 14 Apr | EXAM III | | 16 Apr | Temperature & Heat | Newton's law of cooling | 17 Apr | 1st law of thermo | HW14 out |
| 21 Apr | Kinetic theory of gasses | problems | 23 Apr | Entropy & 2nd law of thermo | Boyle's law lab | 24 Apr | Entropy, engines | |
| 28 Apr | What comes next | dead week | 30 Apr | Exam review | dead week | 1 May | Exam review | |