

A.P. PHYSICS C

2009-2010 COURSE SYLLABUS

1ST SEMESTER:

(approx. 16 weeks)

- **Unit 1: Motion Basics**
Chapters 1-4 (approx. 3 weeks)
- **Unit 2: Forces, Newton's Laws, & Circular Motion**
Chapters 5-6 (approx. 2 weeks)
- **Unit 3: Work & Energy**
Chapters 7-8 (approx. 2 weeks)
- **Unit 4: Center of Mass & Linear Momentum**
Chapter 9 (approx. 2 weeks)
- **Unit 5: Rotational Motion & Static Equilibrium**
Chapters 10-12 (approx. 3 weeks)
- **Unit 6: Gravitation & Oscillations**
Chapters 13, 15 (approx. 3 weeks)
- **Review for Final Exam** (approx. 1 week)
- **Cumulative Final Exam (Units 1-6)**

2ND SEMESTER:

(approx. 17 weeks)

- **Unit 7: Electric Forces & Fields**
Chapters 21-23 (approx. 2 weeks)
- **Unit 8: Electric Potential & Capacitors**
Chapters 24-25 (approx. 2 weeks)
- **Unit 9: Electric Circuits**
Chapters 26-27 (approx. 3 weeks)
- **Unit 10: Magnetic Forces & Fields**
Chapters 28-29 (approx. 3 weeks)
- **Unit 11: Electromagnetic Induction**
Chapters 30-32 (approx. 3 weeks)
- **Review for Final Exam and for AP Test** (approx. 2 weeks)
- **Cumulative Final Exam (Units 1-11)**
- **A.P. Test (Monday, May 10)**