

AP PHYSICS

Instructor: Timothy M. Leung, Ph.D.

E-mail: tim@timleungjr.ca

Fall 2017

Class Time

Saturdays 4:20pm–6:50pm (Starts November 11, 2017)

Course Outline

1. Calculus in Physics
2. Mechanics
 - (a) Momentum
 - (b) Circular motion and angular momentum
 - (c) Gravitation
 - (d) Oscillation (Simple harmonic motion)
 - (e) Fluid dynamics
3. Review and practice exam
4. Electricity and Magnetism (“E& M”)
 - (a) Electrostatics
 - (b) Capacitance
 - (c) Current, Resistance and DC circuit
 - (d) Magnetism
5. Review and practice exam
6. Thermal physics
7. Waves
8. Light and Optics
9. Modern Physics
10. Review and practice exams