

Physics 1425: Physics for Engineers I

PowerPoint lecture presentations (in PDF):

[Lecture 1](#): Introduction

[Lecture 2](#): Kinematics

[Lecture 3](#): Falling Motion

[Lecture 4](#): Two-Dimensional Motion

[Lecture 5](#): Projectile Motion

[Lecture 6](#): Newton's Laws

[Lecture 7](#): Using Newton's Laws

[Lecture 8](#): Friction

[Lecture 9](#): Circular Motion

[Lecture 10](#): More Circular Motion

[Lecture 11](#): Gravitation

[Lecture 12](#): Work and Energy

[Lecture 13](#): Kinetic Energy

[Lecture 14](#): More Energy Topics

[Lecture 15](#): Momentum

[Lecture 16](#): More about Momentum

[Lecture 17](#): Center of Mass

[Lecture 18](#): More about Circular Motion

[Lecture 19](#): Rotational Dynamics

[Lecture 20](#): More Rotational Dynamics

[Lecture 21](#): Angular Momentum

[Lecture 22](#): More about Angular Momentum

[Lecture 23](#): Statics

[Lecture 24](#): More about Statics

[Lecture 25](#): Hydrostatics

[Lecture 26](#): More Hydrostatics

[Lecture 27](#): Hydrodynamics

[Lecture 28](#): Simple Harmonic Motion

[Lecture 29](#): Damped Driven Oscillators

[Lecture 30](#): Temperature, Expansion, Ideal Gas Law

[Lecture 31](#): Kinetic Theory of Gases

[Lecture 32](#): More Kinetic Theory

[Lecture 33](#): Heat and Energy

[Lecture 34](#): Gas Processes and Heat Transport

[Lecture 35](#): The Second Law and Heat Engines

[Lecture 36](#): Entropy