Mindluster Platform

About the course Physics

Mechanics. Motion and its causes; interactions between objects. Thermodynamics. Heat and temperature. Vibrations and Waves Phenomena. Specific types of repetitive motions- springs, pendulums, sound. Optics. Light (including mirrors), lenses, colors. Electromagnetism. ... Relativity. ... 1 Classical mechanics. 2 Thermodynamics and statistical mechanics. 3 Electromagnetism and photonics. 4 Relativistic mechanics. 5 Quantum mechanics, atomic physics, and molecular physics. 6 Optics. 7 Condensed matter physics. 8 High-energy particle physics and nuclear physics. What is basic of physics? Physics is a natural science that involves the study of matter and its motion through space and time, along with related concepts such as energy and force. Matter is generally considered to be anything that has mass and volume. ... These laws of nature are rules that all natural processes appear to follow. What are the 4 basic laws of physics? The 4 most fundamental physics concepts Classical mechanics (the laws of motion) If you've studied any sort of science, you've probably heard the story of Isaac Newton sitting under an apple tree and formulating the basic laws of motion. ... Electromagnetism. ... Relativity. ... Thermodynamics. What are the 2 types of physics? There are Two Main Branches of Physics, Classical Physics and Modern Physics Who named physics? He wrote the first work which refers to that line of study as "Physics" â€“ in the 4th century BCE, Aristotle founded the system known as Aristotelian physics. He attempted to explain ideas such as motion (and gravity) with the theory of four elements. What is the hardest branch of physics? Top Ten Hardest Physics Topics Quantum Mechanics. I love physics but to say some of it's laws are just too much hard. ... Electromagnetism. ... Projectile Motion. ... String Theory. ... Electronics. ... General Relativity. ... Relative Velocity. ... Radiation. Can I study physics on my own? You should really work out problems on your own. If you just watch videos online or read book chapters, you might be convinced that you understand the physics but from my experience it's a wrong feeling. Doing problem sets is the best (and only) way to really master the subject.

Science Category's Courses

Course Lesson(47)

Lesson 1 : **Crash Course Physics Preview**

Lesson 2 : **Motion in a Straight Line Crash Course Physics 1**

Lesson 3 : **Derivatives Crash Course Physics 2**

Lesson 4 : **Integrals Crash Course Physics 3**

Lesson 5 : **Vectors and 2D Motion Crash Course Physics 4**

Lesson 6 : **Newton s Laws Crash Course Physics 5**

Lesson 7 : **Friction Crash Course Physics 6**

Lesson 8 : **Uniform Circular Motion Crash Course Physics 7**

Lesson 9 : **Newtonian Gravity Crash Course Physics 8**

Lesson 10 : **Work Energy and Power Crash Course Physics 9**

Lesson 11 : **Collisions Crash Course Physics 10**

Lesson 12 : **Rotational Motion Crash Course Physics 11**

Lesson 13 : **Torque Crash Course Physics 12**

Lesson 14 : **Statics Crash Course Physics 13**

Lesson 15 : **Fluids at Rest Crash Course Physics 14**

Lesson 16 : **Fluids in Motion Crash Course Physics 15**

Lesson 17 : **Simple Harmonic Motion Crash Course Physics 16**

Lesson 18 : **Traveling Waves Crash Course Physics 17**

Lesson 19 : **Sound Crash Course Physics 18**

Lesson 20 : **The Physics of Music Crash Course Physics 19**

Lesson 21 : **Temperature Crash Course Physics 20**

Lesson 22 : **Kinetic Theory and Phase Changes Crash Course Physics 21**

Lesson 23 : **The Physics of Heat Crash Course Physics 22**

Lesson 24 : **Thermodynamics Crash Course Physics 23**

Lesson 25 : **Engines Crash Course Physics 24**

Lesson 26 : **Electric Charge Crash Course Physics 25**

Lesson 27 : **Electric Fields Crash Course Physics 26**

Lesson 28 : **Voltage Electric Energy and Capacitors Crash Course Physics 27**

Lesson 29 : **Electric Current Crash Course Physics 28**

Lesson 30 : **DC Resistors Batteries Crash Course Physics 29**

Lesson 31 : **Circuit Analysis Crash Course Physics 30**

Lesson 32 : **Capacitors and Kirchhoff Crash Course Physics 31**

Lesson 33 : **Magnetism Crash Course Physics 32**

Lesson 34 : **AmpÃ¨re s Law Crash Course Physics 33**

Lesson 35 : **Induction An Introduction Crash Course Physics 34**

Lesson 36 : **How Power Gets to Your Home Crash Course Physics 35**

Lesson 37 : **AC Circuits Crash Course Physics 36**

Lesson 38 : **Maxwell s Equations Crash Course Physics 37**

Lesson 39 : **Geometric Optics Crash Course Physics 38**

Lesson 40 : **Light Is Waves Crash Course Physics 39**

Lesson 41 : **Spectra Interference Crash Course Physics 40**

Lesson 42 : **Optical Instruments Crash Course Physics 41**

Lesson 43 : **Special Relativity Crash Course Physics 42**

Lesson 44 : **Quantum Mechanics Part 1 Crash Course Physics 43**

Lesson 45 : **Quantum Mechanics Part 2 Crash Course Physics 44**

Lesson 46 : **Nuclear Physics Crash Course Physics 45**

Lesson 47 : **Astrophysics and Cosmology Crash Course Physics 46**

Related courses

Geography

Organic Chemistry

History of Science

Physics

Astronomy

Anatomy Physiology



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