PHY 111 - General Physics I

Original BarTech CBT Study Guide

BarTech CBT Study Resources Library

Purpose

This original guide is a concise revision framework for university lectures, tests and C

Use this guide with your lecturer notes, official course outline and approved textbooks.

Core Topics

1. Physical quantities, units, dimensions, vectors and measurement.
2. Kinematics: displacement, velocity, acceleration and motion graphs.
3. Dynamics: Newton laws, friction, momentum and impulse.
4. Work, energy, power, conservation laws and simple machines.
5. Rotational motion, gravitation and basic properties of fluids.
6. Oscillations, wave motion and introductory mechanical waves.

Revision Checklist

1. Define key terms and explain the main ideas in your own words.
2. Review examples, diagrams, processes and calculations where applicable.
3. Practise questions without checking the answer before you finish.
4. Use the BarTech CBT course page for self-check and CBT practice.