

JEE Main Physics Syllabus (Basic to Advanced)

BASIC FOUNDATION (Start here)

- Mathematical Tools
- Units and Measurements
- Motion in a Straight Line
- Motion in a Plane
- Newton's Laws of Motion
- Work, Energy and Power
- Centre of Mass and System of Particles
- Rotational Motion
- Gravitation

MECHANICS AND THERMAL PHYSICS

- Mechanical Properties of Solids
- Mechanical Properties of Fluids
- Thermal Properties of Matter
- Kinetic Theory of Gases
- Thermodynamics

WAVES AND OSCILLATIONS

- Oscillation
- Waves

ELECTROSTATICS AND CURRENT ELECTRICITY

- Electric Charges and Fields
- Electrostatic Potential and Capacitance
- Current Electricity

MAGNETISM AND ELECTROMAGNETIC INDUCTION

JEE Main Physics Syllabus (Basic to Advanced)

- Moving Charges and Magnetism
- Magnetism and Matter
- Electromagnetic Induction
- Alternating Current
- Electromagnetic Waves

OPTICS

- Ray Optics and Optical Instruments
- Wave Optics

MODERN PHYSICS

- Dual Nature of Radiation and Matter
- Atoms
- Nuclei
- Semiconductor Electronics: Materials, Devices and Simple Circuits