NPTEL Video Course - Metallurgy and Material Science - NOC:Properties of Materials (Nature and Properties of

Subject Co-ordinator - Dr. Ashish Garg

Co-ordinating Institute - IIT - Kanpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 30 - Strain Hardening
Lecture 31 - Grain Boundary Strengthening
Lecture 32 - Solid Solution Strengthening
Lecture 33 - Precipitation Hardening
Lecture 34 - Electrical Conduction in Metals
Lecture 35 - Free Electron Theory
Lecture 36 - Fermi-Dirac Statistics and Electronic conductivity of Metals
Lecture 37 - Fundamental of Semiconductors
Lecture 38 - Band Theory
Lecture 39 - Intrinsic Semiconductors
Lecture 40 - Extrinsic Semiconductors