

Material Science

Prof. Satish V. Kailas

Associate Professor
Dept. of Mechanical Engineering,
Indian Institute of Science,
Bangalore – 560012
India

Chapter 4. Mechanical Properties of Metals

Learning objectives:

- To study the importance of mechanical properties
- To study the behaviour of materials under load, and stress-strain behaviors
- To study the deformation behaviour and mechanisms
- To know about yield criterion and their definition
- Fundamental understanding of correlation between crystal structure, microstructure and deformation