

NPTEL Course

NPTEL Phase – II (Syllabus Template)

1. Course Title	Nanostructures and Nanomaterials: Characterization and Properties
2. Discipline	Materials Science
3. Course Format (Web or Video)	Video

4. Coordinators – Please attach a scanned copy of photograph of each coordinator					
S.No	Coordinator Name	Department	Institute	Mail -Id	Phone number
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References

1. *Nanomaterials, Nanotechnologies and Design: an Introduction to Engineers and Architects*, D. Michael Ashby, Paulo Ferreira, Daniel L. Schodek, Butterworth-Heinemann, 2009.
2. *The Science and Engineering of Materials*, Askeland, Fulay, Wright, and Balani, Cengage Learning, 2012.
3. *Handbook of Nanophase and Nanostructured Materials (in four volumes)*, Eds: Z.L. Wang, Y. Liu, Z. Zhang, Kluwer Academic/Plenum Publishers, 2003.
4. *Encyclopedia of Nanoscience and Nanotechnology*, Ed.: Hari Singh Nalwa, American Scientific Publishers, 2004.
5. *Handbook of Nanoceramics and their Based Nanodevices (Vol. 2) Edited by Tseung-Yuen Tseung and Hari Singh Nalwa*, American Scientific Publishers.