

References

Module 1

1. Materials Science and Engineering, W.D. Callister, Jr., Wiley
2. Physical Ceramics: Principles for Ceramic Science and Engineering, Y.-M. Chiang, D. P. Birnie, and W. D. Kingery, Wiley-VCH
3. Introduction to Ceramics, W. D. Kingery, H. K. Bowen, D. R. Uhlmann, Wiley
4. Fundamentals of Ceramics, Michael Barsoum, McGraw Hill

Module 2

1. Nonstoichiometry, Diffusion and Electrical Conductivity in Binary Metal Oxides (Science & Technology of Materials), P.K. Kofstad, John Wiley and Sons Inc.
2. Physical Ceramics: Principles for Ceramic Science and Engineering, Y.-M. Chiang, D. P. Birnie, and W. D. Kingery, Wiley-VCH
3. Introduction to the Thermodynamics of Materials, David R. Gaskell, Taylor and Francis.

Module 3

1. Physical Ceramics: Principles for Ceramic Science and Engineering, Y.-M. Chiang, D. P. Birnie, and W. D. Kingery, Wiley-VCH
2. Principles of Electronic Ceramics, by L. L. Hench and J. K. West, Wiley
3. Electroceramics: Materials, Properties, Applications, by A. J. Moulson and J. M. Herbert, Wiley

Module 4

1. Principles of Electronic Ceramics, by L. L. Hench and J. K. West, Wiley
2. Dielectrics and Waves, by Arthur R. von Hippel, John Wiley and Sons Inc.
3. Electroceramics: Materials, Properties, Applications, by A. J. Moulson and J. M. Herbert, Wiley

Module 5

1. Principles of Electronic Ceramics, by L. L. Hench and J. K. West, Wiley
2. Principles and applications of ferroelectrics and related materials, M. E. Lines and A. M. Glass, Oxford University Press
3. Electroceramics: Materials, Properties, Applications, by A. J. Moulson and J. M. Herbert, Wiley

Module 6

1. Principles of Electronic Ceramics, by L. L. Hench and J. K. West, Wiley
2. Electroceramics: Materials, Properties, Applications, by A. J. Moulson and J. M. Herbert, Wiley

Module 7

1. Principles of Electronic Ceramics, by L. L. Hench and J. K. West, Wiley

Module 8

1. N. A. Hill, J. Phys. Chem. B, 104, 6694-6709 (2000)
2. M. Fiebig, J. Phys. D: Appl. Phys., 38, R123–R152 (2005)
3. W. Eerenstein, N. D. Mathur and J. F. Scott, Nature, 442, 759 (2006)

Module 9

1. Introduction to Ceramics: W. David Kingery, H. K. Bowen, Donald R. Uhlmann, and Wiley
2. Electroceramics: Materials, Properties, Applications: A. J. Moulson and J. M. Herbert, Wiley
3. Material Science of Thin Films: Milton Ohring, Academic Press

