



# Physical Metallurgy: Principles and Practice

By Raghavan

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## Physical Metallurgy: Principles and Practice By Raghavan

This well-established book, now in its second edition, presents the principles and applications of engineering metals and alloys in a highly readable form. This new edition retains all the basic topics such as phase diagrams, phase transformations, heat treatment of steels and nonferrous alloys, solidification, fatigue, fracture and corrosion covered in the first edition. The text has been updated and rewritten for greater clarity. Also, more diagrams have been added to illustrate the concepts discussed. This edition gives new sections on: thermoelastic martensite; shape memory alloys; rapid solidification processing; and, quaternary phase diagrams. Intended as a text for undergraduate courses in metallurgy/metallurgical and materials engineering, this book is also suitable for students preparing for associate membership examination of Indian Institute of Metals (AMIIM), as well as other professional examinations like AMIE.

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