



# Thermodynamics in Materials Science: Solutions Manual

*Robert P. DeHoff*

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## **Thermodynamics in Materials Science: Solutions Manual** Robert P. DeHoff

This text adopts an approach based upon a general criterion for equilibrium (developed directly from the laws of thermodynamics) which yields a general strategy for obtaining conditions for equilibrium. This strategy is then applied to a collection of systems of increasing complexity and sophistication to derive in each case the conditions for equilibrium - working equations for solving practical problems in thermodynamics are shown to be restatements of these equilibrium conditions. The presentation applies to all classes of materials - including applications to ceramics, metals, polymers and electronic materials. The book has been specifically designed for students on a first course in thermodynamics on a materials science or related degree. However, it could also be used on chemistry, physics and chemical engineering courses.

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