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Introduction to Transport Phenomena Momentum, Heat and

Introduction to Transport Phenomena Introduction to Transport Phenomena Momentum, Heat and Mass Bodh Raj Formerly Professor Department of Chemical Engineering Seth Jai Parkash Mukand Lal Institute of Engineering and Technology (JMIT) Haryana New Delhi-110001 2012 INTRODUCTION TO TRANSPORT PHENOMENAâ€™Momentum, Heat and Mass Bodh Raj

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Although Introduction to Transport Phenomena by Dr. Thomson is a great primer, and Transport Phenomena by Bird Stewart & Lightfoot is the "Bible," I suggest that one maintains a 'living library' of reference material that helps understanding in this subject area.

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Introductory Transport Phenomena: R. Byron Bird, Warren E

This classic text on fluid flow, heat transfer, and mass transport has been brought up to date in this second edition. The author has added a chapter on 'Boiling and Condensation' that expands and rounds out the book's comprehensive coverage on transport phenomena.

An Introduction to Transport Phenomena In Materials

This text introduces the fundamental concepts of transport phenomena and enables students to translate physical phenomena into mathematical terms. All the basic principles of transport phenomena are introduced with mathematical complexity kept to minimum.

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The take-home exam may require the help of a computer to solve the transport problem. The test dates for the exams will be decided in class. Course Content. I: Introduction to Transport Phenomena in Materials Processing . II. Diffusion: Introduction; Steady State Diffusion ; Unsteady State

EMA 4125 : Transport Phenomena in Materials Processing

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2. David R. Gaskell, "Introduction to Transport Phenomena in Materials Engineering" - Macmillan Publishing Company, 1992. Topics: I. Fluid Flow (3 weeks) Fluxes, Phenomenological laws, and Conservation laws Momentum transfer and viscosity Convective and diffusive momentum transport II. Heat Transfer (3 weeks)

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