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Book Review Basic Transport Phenomena in Biomedical Engineering, 2nd Edition, by Ronald L. Fournier, Taylor & Francis, New York, 2006 WILLIAM J. FEDERSPIEL I n the words of the author, the second edition of this text

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Important concepts in biomedical transport phenomena are introduced, but the pace may seem too rapid for a beginning engineering student. However, the student or practitioner who has already been exposed to some of the engineering principles covered in this text will appreciate the efficiency and breadth with which biomedical applications of classic transport principles are presented.

## **Basic Transport Phenomena in Biomedical Engineering, Third ...**

Designed for the beginning student, Basic Transport Phenomena in Biomedical Engineering, Third Edition provides a quantitative understanding of the underlying physical, chemical, and biological phenomena involved. It offers mathematical models using the 'shell balance' or compartmental approaches, along with numerous examples and end-of-chapter problems based on these mathematical models and in many cases these models are compared with actual experimental data.

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This will be a substantial revision of a good selling text for upper division/first graduate courses in biomedical transport phenomena, offered in many departments of biomedical and chemical engineering. Each chapter will be updated accordingly, with new problems and examples incorporated where

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This text combines the basic principles and theories of transport in biological systems with fundamental bioengineering. It contains real world applications in drug delivery systems, tissue engineering, and artificial organs.

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