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Jason has a BSE in Biomedical and



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Electrical Engineering from Duke University and a MS in Engineering Management from Florida International University. Teresa Wilson Teresa Wilson has worked for the Centers for Medicare & Medicare Services for 30 years.

**Guest Faculty | Master of Biomedical**

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Introduction to Engineering Design is a practical, straightforward workbook designed to systematize the often messy process of designing solutions to open-ended problems. From learning about the problem to prototyping a solution, this

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to use project-based engineering design in their classroom.

Presents the Pratt School of Engineering at Duke University in Durham, North Carolina. Provides information on the departments within the school, which include Electrical and Computer

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Introduction to Engineering Design is a practical, straightforward workbook designed to systematize the often messy process of designing solutions to open-ended problems. From learning about the problem to prototyping a solution, this workbook guides developing engineers and designers through the iterative steps of

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This text is designed for a first course in biological mass transport, and the material in it is presented at a level that is appropriate to advanced undergraduates or early graduate level students. Its

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Engineering orientation is somewhat more physical and mathematical than a biology or standard physiology text, reflecting its origins in a transport course that I teach to undergraduate (and occasional graduate) biomedical engineering students in the Whiting School of Engineering at Johns Hopkins. The audience for my cours- and

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presumably for this text - also includes chemical engineering undergraduates concentrating in biotechnology, and graduate students in biophysics. The organization of this book differs from most texts that attempt to present an engineering approach to biological transport. What distinguishes biological



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transport from other mass transfer processes is the fact that biological transport is biological. Thus, we do not start with the engineering principles of mass transport (which are well presented elsewhere) and then seek biological applications of these principles; rather, we begin with the biological processes

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This is the new edition of the classic introductory text to electrophysiology. It covers many topics that are central to the field including the electrical properties of the cell membrane and cardiac electrophysiology. Organized as a

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derived scaffolding, along with 3D printing technology for regenerative engineering. Features: Covers the latest developments in advanced materials for regenerative engineering and medicine. Each chapter is written by world class researchers in various aspects of this medical technology. Provides unique

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