

Mathematical Physiology I & II

APSC 751 — Fall 09 and Spring 10

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Computational and mathematical aspects of cellular and systems physiology emphasizing stochastic and spatial modeling applied to biochemical dynamics, genetic regulatory networks, cell signal transduction, cellular biophysics, and neuroscience.



Mathematical Physiology (Interdisciplinary Applied Mathematics). 2nd edition. James Keener and James Sneyd. Springer. 2008.



Interested undergraduates may register for *Independent Study in Applied Science* (APSC 403-10) and receive credit toward the Applied Science *Theoretical Biology* minor.



Meeting time and place to be arranged.