



Calculus For Biology and Medicine (3rd Edition) (Calculus for Life Sciences Series)

By Claudia Neuhauser

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Editorial Review

From the Back Cover

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About the Author

Claudia Neuhauser is Vice Chancellor for Academic Affairs and Director of the Center for Learning Innovation at the University of Minnesota Rochester (UMR). She is a Distinguished McKnight University Professor, Howard Hughes Medical Institute Professor, and Morse-Alumni Distinguished Teaching Professor. She received her diploma in Mathematics from the Universität Heidelberg (Germany), and a PhD in Mathematics from Cornell University. Before joining UMR in July 2008, she was Professor and Head in the Department of Ecology, Evolution and Behavior at the University of Minnesota—Twin Cities, and a faculty member in mathematics departments at the University of Southern California, University of Wisconsin—Madison, University of Minnesota, and University of California—Davis. Dr. Neuhauser's research is at the interface of ecology and evolution. She investigates effects of spatial structure on community dynamics, in particular, the effect of competition on the spatial structure of competitors and the effect of symbionts on the spatial distribution of their hosts. In addition, her research in population genetics has resulted in the development of statistical tools for random samples of genes. In her role as Director of the Center for Learning Innovation at the University of Minnesota Rochester, Dr. Neuhauser is responsible for the development of the Bachelor of Science in Health Sciences. The Center promotes a learner-centered, concept-based learning environment in which ongoing assessment guides and monitors student learning and is the basis for data-driven research on learning. Dr. Neuhauser's interest in furthering the quantitative training of biology undergraduate students has resulted in a textbook on *Calculus for Biology and Medicine* and a web page Numb3r5 Count! (<http://bioquest.org/numberscount/>). In her spare time, she enjoys riding her bike, working out in the gym, and reading history and philosophy.

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