



Calculus for the Life Sciences

By Marvin L. Bittinger, Neal Brand, John Quintanilla

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Based on the best-selling *Calculus and Its Applications* by Marv Bittinger, this new text is appropriate for a two-semester calculus course for life science majors. With four new chapters and two new co-authors, *Calculus for the Life Sciences* continues the Bittinger reputation as one of the most student-oriented and clearly written Applied Calculus texts available. The exercises and examples have been substantially updated to include additional relevant life science applications and current topics.

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Editorial Review

About the Author

Marvin Bittinger For over thirty years Professor Marvin L. Bittinger has been teaching math at the university level. Since 1968 he has been employed as a professor of mathematics education at Indiana University - Purdue University at Indianapolis. Professor Bittinger has authored 159 publications on topics ranging from Basic Mathematics to Algebra and Trigonometry to Brief Calculus. He received his BA in Mathematics from Manchester College in 1963 and his PhD in Mathematics Education from Purdue University in 1968. Special honors include being Distinguished Visiting Professor at the United States Air Force Academy and being elected to the Manchester College Board of Trustees from 1992 to 1999. His hobbies include hiking, baseball, golf, and bowling and he enjoys membership in the Professional Bowler's Association and the Society for the Advancement of Baseball Research. Professor Bittinger has also had the privilege of speaking at a recent mathematics convention giving a lecture entitled, Baseball and Mathematics. In addition, he also has an interest in philosophy and theology, in particular, apologetics. Professor Bittinger currently lives in Carmel, Indiana with his wife Elaine. He has two grown and married sons, Lowell and Chris, and three grandchildren.

Neal Brand is the Departmental Chair and Professor of Mathematics at the University of North Texas in Denton, Texas, where he has taught since 1983. Before teaching at UNT, he taught at Ohio State University and Loyola University of Chicago, and he was employed as a scientist at McDonnell-Douglas Corporation. He received his BS in Mathematics from Purdue University in 1974, and his MS and PhD in Mathematics from Stanford University in 1976 and 1978 respectively. He has authored or co-authored 26 refereed articles that have appeared in the mathematical literature.

Dr. Brand is a member of the Mathematical Association of America and the American Mathematical Society. Outside of mathematics, his interests include woodworking and carpentry. He is a founding board member and current board president of Habitat for Humanity of Denton County. He lives in Denton, Texas with his wife Shari. He also has two grown daughters.

John A. Quintanilla is an Associate Professor of Mathematics at the University of North Texas in Denton, Texas, where he has taught since 1996. He received both his BS and MS in Mathematics from Stanford University in 1992, and he received his PhD in Civil of Engineering and Operations Research from Princeton University in 1997. He has authored or co-authored 18 refereed articles that have appeared in the scientific literature.

Dr. Quintanilla has been the recipient of multiple teaching awards. In 2004, he received the University of North Texas President's Council Teaching Award. In 2005, he was conferred the Distinguished College or University Teaching of Mathematics Award by the Texas Section of the Mathematical Association of America. Dr. Quintanilla is a member of the Mathematical Association of America and the Association of Christians in the Mathematical Sciences.

His outside interests include golf, volleyball, softball, and Bible study. He lives in Denton, Texas with his wife Sandra and their daughter Sarah.

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