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Raina S. Robeva* (robeva@sbcc.edu), Guion Science Centre A201, Dept. of Mathematical Sciences, Sweet Briar College, Sweet Briar, VA 24595, and **Michael L. Johnson**, Dept. of Pharmacology and Internal Medicine, University of Virginia School of Medicine, Charlottesville, VA 22907. *An Undergraduate Course in Biomathematics with an Accompanying Textbook.*

We present an undergraduate biomathematics course developed and taught by faculty from Sweet Briar College and the University of Virginia School of Medicine with funding from the National Science Foundation and the National Institutes of Health. The course assumes minimal background in calculus and statistics and utilizes a hands-on approach using contemporary projects based on ongoing research at the University of Virginia School of Medicine. A textbook, "An Invitation to Biomathematics" with an accompanying laboratory manual project book has been developed concurrently by the same group of faculty. This textbook is currently under production with Elsevier/Academic Press, to be published in 2007.

We discuss the educational results of our approach as well as share successes, problems, and key questions that were raised in the context of teaching the course and classroom-testing the manuscript at both the University of Virginia and Sweet Briar College. (Received September 26, 2006)