

Meeting: 1003, Atlanta, Georgia, MAA CP S1, MAA Session on Meeting the Challenge: Relationship Between Mathematics and Biology in the 21st Century

1003-S1-401 **Timothy D Comar*** (tcomar@ben.edu), Department of Mathematics, Benedictine University,
5700 College Road, Lisle, IL 60532. *A Calculus Sequence for Biology Students.*

In an effort to better prepare biology and pre-medical students for the increasing level of mathematical background needed for their future coursework, the Department of Mathematics at Benedictine University has begun to offer a two-semester calculus sequence for this audience. Although these this new course sequence is offered at the same level of mathematical rigor as the traditional sequence for students majoring in mathematics, physics, and engineering, the content is specifically geared to meet the needs of the biology and pre-med students. In this talk, we discuss the developing collaboration between the mathematics and biology departments to continually update this course sequence, differences in between our course outline and the standard calculus syllabus, and opportunities for students to participate in the development of future materials for this course sequence. (Received September 14, 2004)