

1077-P1-352      **Mike Martin\*** ([michael.e.martin@gmail.com](mailto:michael.e.martin@gmail.com)), 6319 Sherwood Lane, Merriam, KS 66203.

*Deviation from the Norms – Algebra, Trigonometry, & Calculus for the Aspiring Life Scientist.*

This talk will discuss the outcomes and implementations from an NSF grant charged with developing a textbook and web tools for those pursuing careers in the life sciences and medicine. Models will range from ecology, genetics, developmental biology, physiology, cellular processes, and the more general areas of space-filling models and biological rhythms. Mathematical areas include algebra, trigonometry, discrete mathematics, statistics, calculus, and differential equations. The tools featured include those utilizing webMathematica, the Wolfram Demonstration project, and Wolfram alpha. (Received August 25, 2011)