

1116-VR-452 **Sharon S Vestal*** (sharon.vestal@sdstate.edu), Mathematics & Statistics, Box 2225,
Brookings, SD 57007. *Helping Students Succeed in First Semester Calculus.*

As many of you know, most calculus students do not struggle with calculus concepts; they struggle with the algebra and trigonometry needed to complete calculus problems. We wanted to help students master these skills without delaying their entry into calculus the way traditional methods such as forcing them to take a pre-calculus course can. Our department created an alternative solution to this problem; a 1 credit co-requisite lab that aligns with any early transcendental first semester calculus course. This lab provides a review of algebra and trigonometry concepts that are needed to succeed in calculus. Using an electronic textbook with randomized problems through WebAssign, we are receiving positive results. Come find out how you may be able to implement this type of lab solution in your early transcendental first semester calculus course. (Received September 02, 2015)