

1086-VB-2962 **Paul Sisson*** (paul.sisson@lsus.edu), 1372 Leonard Road, Shreveport, LA 71115. *What it takes for a student today to be successful in calculus?*

Ever-changing methods of calculus instruction and curriculum influence students and instructors alike. While instructors need to adapt to new ways of teaching, students also need to adjust the way they learn the material in order to reach their fullest potential. We know when it comes to mathematics education, students learn best by doing. Physically taking the time to write out problems and working through their solutions is key. Nowadays, technology is being incorporated in and out of the classroom more than ever before. As the calculus curriculum evolves and technology becomes more prominent in instruction, we can focus on motivating our students through topics such as Applications of Integrals and Taylor Series. By pointing out their various applications within sciences and engineering, we can help students relate calculus to other topics of interest. As a former professor, Dr. Paul Sisson now serves as Provost and Interim Chancellor at Louisiana State University in Shreveport. He carries with him firsthand knowledge and experience to influence mathematics instructors from the perspective of a professor, administrator, and author. (Received September 26, 2012)