

1116-97-2157      **James R. Valles, Jr.\*** (jrvalles@pvamu.edu), Department of Mathematics, Prairie View A&M University, P. O. Box 519 – Mailstop 2225, Prairie View, TX 77446-0519. *Engagement, Capacity, and Continuity Theory: What is it and how can I use it?* Preliminary report.

There have been a number of theories posited regarding the success, or lack of success, of students in mathematics courses. The Engagement, Capacity, and Continuity Theory (ECC) attempts to address factors that affect student success in STEM courses when they are considered together, as opposed to previous analysis where they may have been evaluated individually.

Some background on ECC Theory will be discussed as will various attempts (some successful and some not successful) the author has made in his classes to incorporate aspects of this theory into the classroom lecture/presentation. (Received September 21, 2015)