

1125-F1-3057 **Rachid Ait Maalem Lahcen*** (rachid@ucf.edu), Department of Mathematics, University of Central Florida, Orlando, FL 32816, and **R. N. Mohapatra** (ram.mohapatra@ucf.edu), Department of Mathematics, University of Central Florida, Orlando, FL 32816. *Preparing students to succeed in Calculus through adaptive instructional approach.*

Experience and consideration of data shows that there is a trend of students changing from STEM majors due to low success rate in Calculus. In spite of funds allocated to universities for Calculus reform, there is no significant success in increasing pass rate in Calculus in major metropolitan public universities. In this talk we shall mention how we plan to approach improvement of instructional method in pre-calculus courses with a view to providing students with a platform to improve their confidence and better problem solving skills through inquiry based instruction. (Received September 20, 2016)