

1106-VU-2902 **Christina Lee*** (leec@tcnj.edu), Department of Mathematics and Statistics, The College of New Jersey, 2000 Pennington Road, Ewing, NJ 08628. *Using Assessment and Management to Improve Learning Outcomes in Precalculus*. Preliminary report.

This talk addresses steps The College of New Jersey (TCNJ) took to tackle the high failure rates and low student preparedness for Calculus in our Precalculus courses. Modular style and multiple-semester style courses were not a logistical option for TCNJ. Many of precalculus sections are taught by adjuncts, therefore to help understand the course dynamics we implemented common homework and a common final to create consistency among all the sections as well as collect learning outcome data. Using this data we made syllabus changes and created a 7 question pretest students took on the first day of classes. We found that student scores on the pretest correlated to course failure rates. Data from the common final and pretest together enable us to advise our students and manage specific learning outcomes semester to semester. (Received September 17, 2014)