

1106-97-2302      **Qingxia Li\*** (qli@fisk.edu), 411 Annex Ave, Apt B4, Nashville, TN 37209. *Challenges and Successes in Teaching Developmental Math Courses at HBCUs.*

This research project is supported by NSF Implementation Award(HRD-1332284) at Fisk University. Fisk University is a historically black university and ranks ”#1 in Liberal Arts HBCU in research”. One of the objectives of this award is to shorten the completion time for math prerequisites and improve mastery of math skills. In Fall 2014, we did a pilot study to assess gains in math content and changes in students’ attitude towards mathematics by comparing traditional teaching with teaching with case studies. In this presentation, I will first discuss about the success and challenges in teaching developmental mathematics courses at Fisk University. Then I will demonstrate the changes in math content and attitude towards mathematics collected from the pilot study of 125 students in Intermediate Algebra at Fisk University. (Received September 16, 2014)