Framing Non-Course Based Math Options

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Abstract: A brief comparison of the standard Non-Course Based Math Options based on FOCUS Elements versus the implementation of the Advanced Caminos High School Summer Camp offered at Texas State University. We will discuss the origin of the frameworks, the differences between Spring 2014 and Summer 2014, and some preliminary findings from the summer.

Shawnda Smith is a Doctoral Teaching Assistant at Texas State University as she works on her Ph.D. in Mathematics Education. She received her BA in Mathematics and MA in Mathematics from the University of Texas at Austin UTeach Program. She is a certified high school teacher for the state of Texas. She taught at Westlake High School in Austin for six years and also taught at Austin Community College and the Art Institute of Austin. Shawnda is interested in researching how students transition from high school mathematics to college level mathematics and Pedagogical Content Knowledge of pre-service teachers.

Christine Herrera is a Gates Millennium Scholar and a Doctoral Teaching Assistant at Texas State who is pursuing her Ph.D. in Mathematics Education. Christine received her MS in Mathematics and BS in Mathematics from Colorado State University. She was the instructor of record at Colorado State University for Math in the Social Sciences. As a Graduate Teaching Assistant at CSU, she taught College Algebra 1 and 2, and Matrices and Linear Equations. Christine is interested in conducting research to investigate the factors that support high achievement among at-risk students in upper division, proof-based mathematics courses.