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**Theresa A Laurent\*** (tlaurent@stlcp.edu), St Louis College of Pharmacy, 4588 Parkview Place, St Louis, MO 63110-1088. *An Analysis of College Mathematics Placement Policies for Students with High School Calculus Experience.*

The number of students taking calculus in high school has been increasing dramatically since 1982 but commercially available placement tests still do not include calculus topics. It is unclear if current placement policies for students with high school calculus experience are accurately placing students. This research investigates placement policies for this population by surveying math departments and administering a calculus placement exam to freshmen with high school calculus experience. Departments were surveyed to determine characteristics of their calculus sequence, current placement policies and satisfaction levels with their policies. A causal-comparative design was used to compare groups based on institution enrollment, institution selectivity, course characteristics and policy characteristics. Freshmen with calculus experience completed a placement exam to determine their calculus achievement. A causal-comparative design was used to compare groups of students based on their high school experience (i.e.: earned credit by AP Calculus exam score, earned dual-enrollment credit, or did not earn credit). The results of the survey and calculus placement exam will be discussed along with implications and recommendations for departmental placement policies. (Received August 20, 2008)