

1056-Z1-1805 **Katherine S. Kelm*** (kbyler@csufresno.edu), 5245 N. Backer Ave. M/S PB 108, Fresno, CA
93740-8001. *Just-in-Time Calculus*. Preliminary report.

In an effort to improve retention in Calculus I at California State University, Fresno, a number of ideas have been implemented in the last six years. One of them is “Just-in-Time” calculus, a two-semester sequence covering the traditional first-semester calculus material with substantial pre-calculus support. Although the retention rate in Calculus I has appeared to improve since the sequence was implemented, other interventions such as placement exams, concurrent “problem solving” sessions for engineering students, and a new team-teaching format may have played a role. We give our preliminary observations on the effectiveness of some of these ideas, including the troubling finding that overall retention in Calculus II has decreased. (Received September 22, 2009)