1145-VJ-266

Mary A Nelson* (mnelso15@gmu.edu), 4400 University Drive, Fairfax, VA 22030, and Stephen Liddle, Mathematics Department, George Mason University, 4400 University Drive, Fairfax, VA 22030. *Facilitating Calculus I for Diverse Students*. Preliminary report.

Because students enter Calculus I with dramatically different preparation, we have created multiple entry points to ensure every student's ability to succeed. In addition to the regular one-semester Calculus I class, we have created an active learning two-semester course and have accommodated students earning a 3 on the AP test. In the two-semester course, students earn 3 credits each semester. Four credits count as the equivalent of Calculus I, and the other two credits are math elective credits. Students earning AP3 are given credit for the first semester of the two semester course and take the second semester. Students who have completed the two-semester course have been shown to succeed at rates equivalent to those students who take the regular course. Many of the two semester students who have a high probability of failing in the regular course, now have over an 80% probability of success. We will discuss the supports for this course: learning assistants, active learning classrooms and oral reviews. (Received August 27, 2018)