

1116-G5-2639 **Robin A. Cruz*** (rcruz@collegeofidaho.edu) and **Lynda A. Danielson**
(ldanielson@collegeofidaho.edu). *Yes, You Can Have It All.*

Faced with growing demand from very different student populations, The College of Idaho (a small liberal arts college) developed a three-year plan to redesign its entry-level mathematics courses. Our first objective was to streamline the sequence of courses for our bimodal audience of students, not all of whom enter college with calculus experience. Our second objective was to improve quantitative skills required by a variety of majors. This talk will focus on the redesigned Calculus courses and particularly, on our new course, Applied Calculus: A Modeling Approach based on a similar course developed at Macalester College. Our course is a terminal math course for Business and Biology majors that also provides adequate background for underprepared students who wish to major in Chemistry, Computer Science, Math or Physics. The redesigned curriculum has reduced the number of credits an underprepared student needs prior to Multivariable Calculus from 16 to 8. (Received September 22, 2015)