1135-VK-2934 **Po-Ning Chen** (poningc@ucr.edu), **Tim McEldowney*** (mceldowney@math.ucr.edu) and **John Simanyi** (simanyi@math.ucr.edu). *Insights from a Graduate Student led Summer Program.*

Many mathematics majors at University of California Riverside have difficulty completing their undergraduate degree and continuing their career in mathematics. This is especially the case for underrepresented minority, female, and first-generation college students who often face additional social and economic obstacles in their careers. Looking to improve undergraduate retention and success, UC Riverside graduate students, with help from faculty, developed the Summer Program in Advanced Mathematics. This program was a three week long FREE summer class on logic, abstract algebra, and real analysis taught by graduate students, with talks on graduate school. Through surveying and talking to our 25 participants, we began to develop a better understanding of the major difficulties for undergraduates in math, as well as what we can do to help. Of particular note, we found some anecdotal data related to the low continuation rate of female and minority students in math. We plan to talk about what we learned from the program and what we plan to do going forward. We will also discuss some possible approaches to running effective supplemental student programs on a minimal budget. (Received September 26, 2017)