

1154-97-2817 **Roselyn Williams*** (roselyn.williams@famuc.edu). *Bridging the Gaps in Undergraduate Mathematics Education.*

The mathematical courses of today contain students from a large spectrum of backgrounds and skills. In a classroom setting there are students who are well prepared to master the subject matter, as well as those who are under prepared to do so. The question is how to provide instruction that challenges the best students and with enough detail that benefits under prepared students in a manner in which all students can be successful in their course work. This talk explores strategies to complement classroom lectures and text books in a manner that empowers and inspires students to be independent learners. For all students, learning should be an enjoyable experience of building confidence, acquiring knowledge, and developing the skills necessary to become effective problem solvers. (Received September 18, 2019)