

1086-R1-107

**Ryan P Dunning\*** (rdunning1@stmarytx.edu), One Camino Santa Maria, San Antonio, TX 78228. *Introduction to proof in an IBL setting for the liberal arts*. Preliminary report.

While other liberal arts math courses focus on application-oriented topics, I chose to focus on the subject of proof in an IBL setting. Topics covered included logic and set theory. I will discuss course structure and sample problems (both successful and unsuccessful). I will share results of entrance and exit surveys (modified from a survey by A. Schoenfeld), aimed mainly at tracking changes in students' expectations and beliefs about mathematics. (Received July 19, 2012)