

1125-F1-2989 **James S Rolf*** (jim.rolf@yale.edu) and **John Hall**. *Impact of an Online Bridge Program for Preparedness for Quantitative Reasoning*. Preliminary report.

Online Experiences for Yale Scholars (ONEXYS) is a summer online bridge program to help incoming students who are bright, but underprepared for quantitative reasoning courses. The past three summers we have taught pre-calculus material through online videos, adaptive practice, and challenging applications, and have employed upperclassmen as coaches and mentors to foster online learning communities. A large proportion of the students in ONEXYS come from underrepresented groups, and we purposefully use strategies that we believe will ease their transition to campus life and increase STEM retention.

We will discuss the evidence that led us to adopt this structure as well as the results of pre/post surveys and focus groups designed to assess the impact of the program on student perception of preparedness for quantitative reasoning courses. (Received September 20, 2016)