

1171-97-43

Victor Piercey*, Ferris State University Department of Mathema, 820 Campus Drive, ASC 2021, Ferris State University Department of Mathema, Big Rapids, MI 49307. *Cross-Disciplinary Collaboration to Develop, Implement, and Sustain Multiple Forms of Inquiry in a Quantitative Reasoning Course at Ferris State University*. Preliminary report.

As part of the SUMMIT-P Consortium, mathematics faculty at Ferris State University have been collaborating with partner discipline faculty in business, nursing, and social work. The goal of the collaboration has been to revise an inquiry-based quantitative reasoning sequence to direct and align the mathematics with the needs and usage in their degree programs and in their professions. Early in the collaboration, we found new approaches to inquiry – evolving case studies and simulation. After developing early examples, we extended the collaboration through a faculty learning community. In this talk, we will discuss the development, implementation, and plans to sustain both the collaboration and the resulting products. (Received August 06, 2021)