

1163-A5-1363 **Pavel Belik***, belik@augsbu.edu, and **Joan Kunz**. *Incorporating Chemistry into a Calculus Lab*.

As part of the national SUMMIT-P project, faculty from Mathematics, Economics, and Chemistry at Augsburg University renovated the calculus sequence to meet the needs of the partner disciplines. As one of the outcomes, weekly labs in Calculus I and II now feature partner discipline contexts/questions and are placed later to make it less obvious what calculus ideas and tools are needed in the hopes of improving transference. We will present one such lab that connects titration, a procedure taught in our General Chemistry II class, to calculus concepts needed to identify points of significance taking place during the experiment. This lab was co-developed by the Mathematics and Chemistry faculty and the work was supported by the National Science Foundation under NSF award number 1625142. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation. (Received September 15, 2020)