

1125-D1-1677 **Aaron Trocki*** (atrocki@elon.edu), Duke 209E, 2320 Campus Box, Elon University, Elon, NC 27244. *Using History as a Vehicle for Humanizing Mathematics.*

Completing a first course in Calculus is typically accomplished in the first two years of a liberal arts education. A challenge facing educators is that of humanizing topics of Calculus, a content heavy subject with little room for supplemental activities. This presentation delineates one project implementation that requires Calculus learners to incorporate other pillars of a liberal arts education such as history, writing, and communication while simultaneously meeting course content goals.

The project was implemented in two Calculus I courses in a liberal arts university. Giving a Historical Context to Calculus had the purpose of providing students an opportunity to familiarize themselves with the origins, archetypal problems, and historical characters that led to our current conception of Calculus. The project took the form of short papers followed by structured presentations. Project details and implementation are shared along with student work samples and reactions to the experience. For example, students investigated the human struggle with conceptualizing limits and codifying methods of Calculus. Instances of how the assignment drew out connections among Calculus content and the humanities are highlighted. (Received September 18, 2016)