

1014-I1-229

Todd Timmons* (ttimmons@uafortsmith.edu), University of Arkansas–Fort Smith, Mathematics Department, 5210 Grand Ave., Fort Smith, AR 72908. *The history of calculus in an honors calculus course*. Preliminary report.

After years of offering College Algebra as the only honors mathematics course, three years ago the University of Arkansas–Fort Smith mathematics faculty decided to create an Honors Calculus I course for the better-prepared students we were seeing after becoming a four-year institution. I volunteered to create a course that used history to initiate discussion of the societal and cultural role of the development of calculus over the centuries. The course continues to evolve as I search for the right mix of readings, discussions, and research assignments to complement the curriculum without overwhelming the students already struggling with a difficult subject. This report will discuss various approaches I have tried and, hopefully, open a dialogue among others who are working on similar projects. (Received August 28, 2005)