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)