

1077-K5-2880 **Susan L Ganter*** (ganters@ecu.edu) and **Jack Bookman** (bookman@math.duke.edu).
Long-Term National Impact of the Calculus Reform Initiative. Preliminary report.

From 1988 to 1997, the NSF's Calculus Program awarded over 23 million to 127 institutions and organizations, with a goal of "raising students' conceptual understanding, problem solving skills, analytical and transference skills, while implementing new methods to reduce tedious calculations," with an emphasis on "interactions between different sectors of the mathematical sciences community in the development of model curricula and prototypical instructional materials." Now, after almost 25 years, is the right time to conduct a comprehensive, critical study—enough time has passed to gain some perspective but we are still within the window of institutional memory. This presentation will outline a project in which a set of research studies is being developed to assess this long-term impact. The primary purposes of the project are: 1. to survey the 127 NSF-funded calculus PIs (1988-97), to assess the current status of calculus at their institutions; 2. to assess long-term changes in calculus textbooks as influenced by calculus reform efforts; 3. to conduct six case studies of a broad range of mathematics departments; and 4. to publish and disseminate the volume resulting from the proposed work and a set of previously-developed expository papers. (Received September 22, 2011)