

1096-97-2431      **Ayşe A. Şahin\*** (asahin@depaul.edu). *Using the ideas of Calculus to transition teachers from a computational to a conceptual understanding of functions.* Preliminary report.

Programs for middle school mathematics teachers typically include a course in Calculus. We will describe one such course and give examples of how the design of the course helped teachers understand functions as models and the slope of a line as a rate of change. (Received September 17, 2013)