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Denise J LeGrand* (djlegrand@ualr.edu), 303 N Park St, Little Rock, AR 72205. *Integrating Technology to Match Learning Styles in an Online Mathematics Course*. Preliminary report.

It is well known that people learn in a variety of ways. The importance of this knowledge for us as teachers is the realization that 1) we need different teaching styles and that 2) we can help our students become aware of their own style. This awareness can help students focus in on how they learn best and if a variety of tools are offered, the chances of successful learning and communication drastically increase. There are many learning style surveys available and no matter which one is used we can incorporate the appropriate technology into our classes that matches each style. This is not about accommodation but about teaching and learning strategies. I will explain 4 learning styles, match each with available technology and then show how I use some of these the technological resources in teaching online Calculus. Most of the technology is free via the web and is not a stranger to students growing up in the digital age. Some examples are communication tools such as Discussion Boards and Blogs, organizational tools such as Blackboard, multimedia such as videos, and various instructional sites. These can all be blended seamlessly into a successful mathematics course that includes community building and matches available technology to each learning style. (Received September 09, 2010)