

1116-S1-2093 **Therese Shelton*** (shelton@southwestern.edu). *Active DE with Inquiry and More.*

Active pedagogy, including with inquiry, can be effective in DE for both faculty and students. We share an ongoing journey involving technology (Mathematica and the "legacy" versions of Interactive Differential Equations), an institutional Inquiry Initiative, and involvement with various math communities. "Teaching Inquiry-oriented Materials: Establishing Supports" (TIMES) included an online working group that piloted new materials and reflected on pedagogy. Recent involvement with the SIMIODE community will allow the addition of more modeling in DE. POGIL techniques allow greater structure to an inquiry-oriented environment. The result is a flexible format to build student skills in math and communication, and – at least for a single semester – performance. (Received September 21, 2015)