

1106-G5-1725 **Silvia Saccon*** (silvia.sacson@utdallas.edu), The University of Texas at Dallas, Richardson, TX 75080. *Engaging calculus students through problem-solving workshops*. Preliminary report.

To foster students' active engagement in their learning and to promote their conceptual understanding of calculus, I started to run my classes as problem-solving workshops. Students experience a full immersion in problem-solving activities by collaborating in small teams at the board on problems designed to build and stretch their conceptual understanding of calculus. Deep engagement in mathematical tasks, combined with immediate feedback through discussions with peers and me, helps students develop their critical reasoning, problem-solving, and communication skills. In this talk, I will describe class structure and activities performed by students, discuss benefits and challenges in this learner-centered environment, and review student feedback and the impact of this approach on student learning. (Received September 16, 2014)