

# Differential Equations and Applied Math Seminar

Texas State University

2-3pm February 27, 2015

329 Derrick Hall

**Speaker:** Dr. Ray Treinen, Texas State University

**Title:** Undergraduate research projects in Capillarity

**Abstract:** We present two problems that arise from the consideration of fluids in equilibrium where the dominant forces are due to surface tension, gravity, and in the second problem, wetting. The first is an REU project with Kara Farnsworth involving a numerical study of the lower dimensional floating drop problem. The second project is a publication with Lamont Colter on cylindrical liquid bridges and minimal spanning volumes.

Interested faculty and graduate students are encouraged to attend.