1067-34-1902 **Donna Sue Stutson*** (dstutson@xula.edu), Xavier University of Louisiana, Mathematics Department, 1 Drexel Dr., New Orleans, LA 70125. *Some Results for Partial Fractional Differential Inequalities.*

In this talk, we will consider partial fractional differential inequalities of parabolic type using the Caputo ordinary derivative in t of order q, where $0 < q < 1$. We will recall a known comparison theorem for a Rieman-Liouville fractional differential inequality where the fractional derivative is if order q and $0 < q < 1$. Furthermore, we will develop a similar comparison theorem for partial fractional equations of parabolic type using the Caputo ordinary derivatives. (Received September 22, 2010)