1025-34-232 **Eric R Kaufmann*** (erkaufmann@ualr.edu), 2801 S. University Ave, Department of Mathematics and Statistics, University of Arkansas at Little Rock, Little Rock, AR 72204.
Periodicity in a Neutral Nonlinear Functional Dynamical Equation on a Time Scale. Preliminary report.

Given a periodic time scale $\mathbb{T}$, we will show existence and uniqueness of periodic solutions of the nonlinear neutral functional dynamic equation on a time scale,

$$x^{\Delta}(t) = -a(t)x^{\sigma}(t) + c(t)x^{\Delta}(\tau(t)) + Q^{\Delta}(t, x(t), x(\tau(t))) + G(t, x(t), x(\tau(t))), t \in \mathbb{T}.$$

Our main tool is a nonlinear contraction theorem. This is a preliminary report. (Received January 23, 2007)