1114-13-220 **Thomas Marley** and **Marcus Webb*** (`webbm@sfasu.edu`). *Minimal flat resolutions in characteristic p.*

In this talk, we will study the action of the Frobenius functor on flat resolutions. We will show that a classical result of Peskine and Szpiro concerning the action of the Frobenius functor on finite projective resolutions of finitely generated modules extends to finite flat resolutions. The proof makes use of the theory of minimal flat resolutions developed by Enochs and Xu, and we will summarize the relevant potions of their results. (Received August 28, 2015)