

1116-J5-2508 **Ali S Shaqlaih*** (ali.shaqlaih@untDallas.edu), University of North Texas at Dallas, Dep. of Mathematics and Information Sciences, 7400 University Hills BLVD, Dallas, TX 75241. *Developing Elementary Teachers' Pedagogical Knowledge through Improving their Math Content knowledge.*

Having a strong content knowledge is necessary for successful teaching, however it is not sufficient. In this talk, we will show how an inquiry based learning approach was used in a math content course to improve elementary teachers' content and pedagogical knowledge. Qualitative and quantitative methods will be used to analyze pre-service teachers and elementary students work. Students' engagement, class dynamics and the correlation between teachers' content and pedagogical knowledge will be discussed. (Received September 22, 2015)