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)