

1086-J5-2594 **Petronela Radu, Sandeep Holay and Joe Geisbauer*** (s-jgeisba1@math.unl.edu). *Math in the City: Integrating the Classroom and Applications in the Local Community.*

Math in the City is a project-based course designed to investigate real-world applications in the local community surrounding the campus. As the course focuses on local scenarios, it can easily be adopted by institutions which are surrounded by smaller communities as well. The talk will cover the design and implementation of such a course as well as viable projects for possible consideration. In particular, we wish to provide the framework for a project that focuses on a statistical analysis of the local housing market. (Received September 25, 2012)