

Meeting: 1003, Atlanta, Georgia, MAA CP V1, MAA Session on Research on the Teaching and Learning of Undergraduate Mathematics

1003-V1-976 **Emilie Wiesner** and **Aaron Weinberg*** (weinberg@math.wisc.edu), 480 Lincoln Dr, Madison, WI 53706, and **Bret Benesh**. *Implementing Lesson Study at the Undergraduate Level*. Preliminary report.

Japanese lesson study has gained much attention in U.S. education communities as a possible means for education reform. Because of the success of lesson study in Japan, there have been a variety of programs aimed at initiating similar practices in U.S. schools. Research has been done to document the implementation of lesson study in the US; however, most, if not all, of these efforts have been focused on K-12 education.

We offer an example of lesson study in the context of a mathematics content course for pre-service elementary school teachers at a large university. Our use of lesson study is part of a broader attempt to establish goals for the course and align the curriculum with those goals. In our presentation, we will discuss the process of using lesson study to analyze and improve our pedagogical practices. This discussion will include aspects of our experience particular to the college setting while attending to the difficulties other U.S. teachers have faced. We will conclude by discussing the outcomes of our project. (Received October 01, 2004)