

1035-97-553

Tad Watanabe* (twatanab@kennesaw.edu), 1000 Chastain Rd.# 1204, Kennesaw, GA 30144.
Mathematics for Teaching Elementary School Mathematics: Incorporating Japanese Curriculum Materials.

In order to prepare elementary school teachers who can teach mathematics that is envisioned by the new state mathematics standards, Kennesaw State University now requires 6 mathematics courses from prospective elementary school teachers. Five of the 6 courses are specially designed to help future elementary school teachers develop deep understanding of mathematics they are expected to teach by way of a new state mathematics standards, which is heavily influenced by the Japanese mathematics standards. A group of KSU faculty has studied translated Japanese mathematics curriculums and began to incorporate some of the ideas in these mathematics courses. In this session, I will present a brief overview of KSU's mathematics courses, and then share some specific ways I have incorporated ideas and activities from the translated curriculum materials in three of these courses. Although other mathematics educators have incorporated curriculum materials in the mathematics courses for prospective students, this approach is unique because of the differences in emphases found in Japanese curriculum materials, both in contents and approaches. (Received September 10, 2007)