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Laurie O. Cavey* (lauriecavey@boisestate.edu), 1910 University Drive, Mathematics Department/MG 235, Boise, ID 83725-1555, and **U. Kaiser** and **M. Kinzel**. *Developing a Course to Address Mathematical Knowledge for Teaching Functions and Modeling*. Preliminary report.

As a member of the MTE-P, we are currently taking steps to improve mathematics content preparation of our secondary mathematics teacher candidates. During this presentation we will share information about the development of a course on functions and modeling for prospective secondary mathematics teachers and plans for assessment. A mathematician, two mathematics teacher educators, and a high school teacher are collaborating on this effort. This work is part of a first-step in critically examining and revising our secondary mathematics teacher preparation program in light of the Common Core State Standards in Mathematics. Course design principles and an outline of topics will be shared as well as an initial draft of an instrument we are developing to measure teachers' mathematical knowledge of functions. We will also report on an initial pilot of the instrument planned for the end of the fall 2012 semester. (Received September 14, 2012)