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Dennis L. Allison* (allison@math.utah.edu), Department of Mathematics, The University of Utah, 155 South 1400 East, Rm 233, Salt Lake City, UT 84112-0090. *A Capstone Course for Mathematics Secondary Education Majors at the University of Utah.*

A new capstone course for mathematics secondary education majors at the University of Utah develops a deep and connected view of the mathematics these students have studied as undergraduates and the topics they will teach in secondary school. Such a course has been strongly recommended in the recent MET report prepared by the CBMS for the MAA.

In this talk I describe initial interest in offering a capstone course in the department of mathematics, the PMET grant that has helped to support the development of this course, and the results of our first offering in Fall 2005. We hope this presentation will encourage other institutions to consider organizing one or more capstone courses for their own mathematics secondary education students. (Received September 26, 2005)