

1035-Z1-1739      **Richard O. Hill\*** ([hill@math.msu.edu](mailto:hill@math.msu.edu)), Department of Mathematics, Michigan State University, E. Lansing, MI 48824. *Revising and Studying a Capstone Course for Future High School Mathematics Teachers*. Preliminary report.

Michigan State University (MSU) and Grand Valley State University have received a CCLI grant to study a senior-level capstone course for future high school math teachers, team taught by a mathematician and a mathematics educator. At MSU, the course has been taught once a year for the last four years. Recognizing the potential for the course to become a permanent offering, the Math Department's Undergraduate Studies Committee evaluated the course last year and found it not to have a sufficient senior-level mathematical content. In this presentation we shall describe our efforts to add some higher-level mathematics while still keeping the connections to high school mathematics and how these changes may affect the research being conducted on the students and faculty. (Received September 20, 2007)