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Elizabeth A Prather* (prathere@wju.edu), Mathematics Department, Wheeling Jesuit University, Wheeling, WV 26003. *Examining the Relationship between Content, Teaching, and Assessment in an Applied Mathematics Course for Future Elementary School Teachers.* Preliminary report.

Math in Society is a mathematics course that fulfills a core requirement for humanities majors and is a required course for future elementary school teachers. The course studies the application of mathematics in today's world. It is taught using a variety of classroom experiences including discovery learning, discussion, group activities, and lectures. In order to evaluate student learning in this course, alternative assessment tools such as writing assignments, presentations, interviews, and projects are used in conjunction with more traditional quizzes and exams. In this talk, the relationship between the content, the teaching and the assessment of this course will be examined and specific examples from the course will be discussed. (Received September 28, 2000)