

1056-H7-1989 **Maura Mast*** (maura.mast@umb.edu), Department of Mathematics, 100 Morrissey Blvd,
University of Massachusetts Boston, Boston, MA 02125-3393. *Teaching Mathematics and
Democracy*. Preliminary report.

In this talk I'll outline my experience developing and teaching an honors course for non-math majors entitled "Mathematics and Democracy". The first half of the course focuses on the importance of mathematical and quantitative literacy for informed participation in society. We discuss the relationship between mathematics and social justice through issues such as access to quality mathematics education, how mathematics can be used to understand and critique inequity, and the role of mathematics teaching and learning in challenging the status quo and transforming society. In the second part of the course, we look at how mathematics helps us understand different aspects of society, from fair division to voting theory to game theory. (Received September 22, 2009)